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OPEN 출처표시 상업용금지 변경금지
공공누리 공공저작물 자유이용허락

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발간사
PREFACE

국내에서 사육되는 소와 돼지는 개량 및 사양기술 발전으로 출하체중 증가와 함께 도체 특성 및 생산수율도 변화되었습니다. 최근 한우와 돼지의 출하체중은 2002년에 각각 562kg, 110kg 이었던 것이 2019년에는 694kg, 117kg으로 증가하였습니다. 또한 소고기와 돼지고기 소분할육이 2004년 이후 소고기는 39개, 돼지고기는 25개 부위로 확대 개정되었습니다.

도체 수율은 식육의 수급관리를 위한 가축의 생산시기 및 산육량의 과학적 예측을 위한 유통 물량 산출에 필요한 자료입니다. 국립축산과학원에서 소·돼지 도체수율 기준설정 연구를 추진하여 1997년, 2004년에 수송 및 도축단계 중량 변화, 도체수율, 부산물 생산량, 대분할 부분육 생산량, 도체규격 등을 제시한 소·돼지 도체수율 및 육질특성 책자를 발간하여 보급한 바 있습니다. 그러나 그 이후부터 추가 조사가 이루어지지 않아 국가기관 및 관련 산업체에서 최근의 소 및 돼지가 출하되는 경향을 반영한 도체수율 자료를 지속적으로 요청하였습니다.

국립축산과학원은 최신 데이터 확보를 위하여 2016년~2020년까지 전국 사육농가에서 구입한 시험축 한우 314두, 돼지 380두에 대하여 성별, 출하체중별, 육질·육량등급별 도체생산량과 부산물 생산수율을 조사하고 분석한 자료를 제시하게 되었습니다.

본 조사결과가 나오기까지 전국에서 시험축 확보를 위해 협조해 주신 생산자, 생산자 단체, 관련 기관 종사자 여러분께 진심으로 감사의 말씀을 드리며, 이 책에 수록된 내용이 국가의 식육수급, 유통 효율화, 부산물 이용성 증대, 부위별 가격차등제 등 식육의 거래제도 안정을 위한 기초자료로서 생산자, 유통업자 및 소비자 모두에게 유용하게 활용되기를 바랍니다.

2020년 12월

국립축산과학원장 박범영

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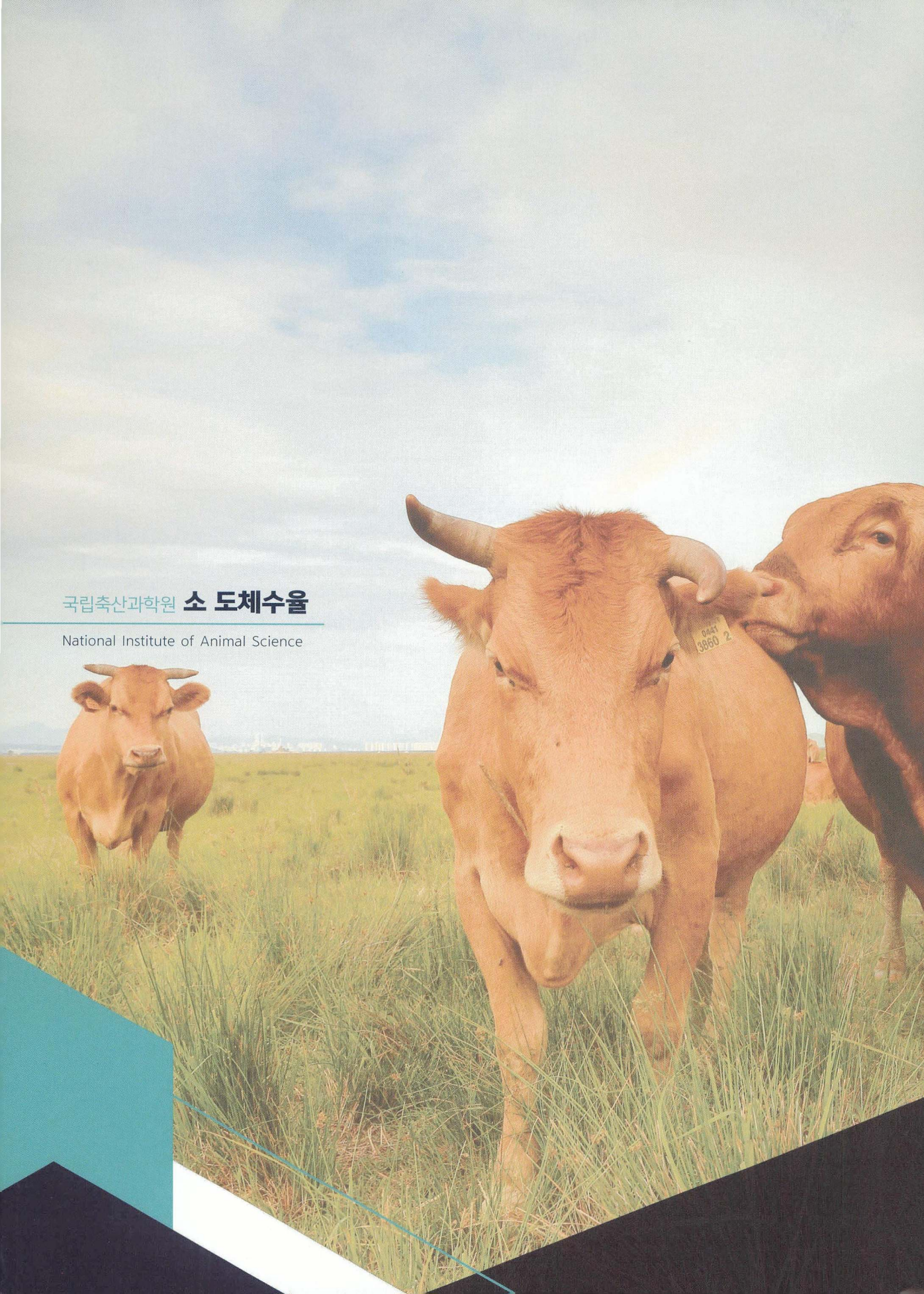
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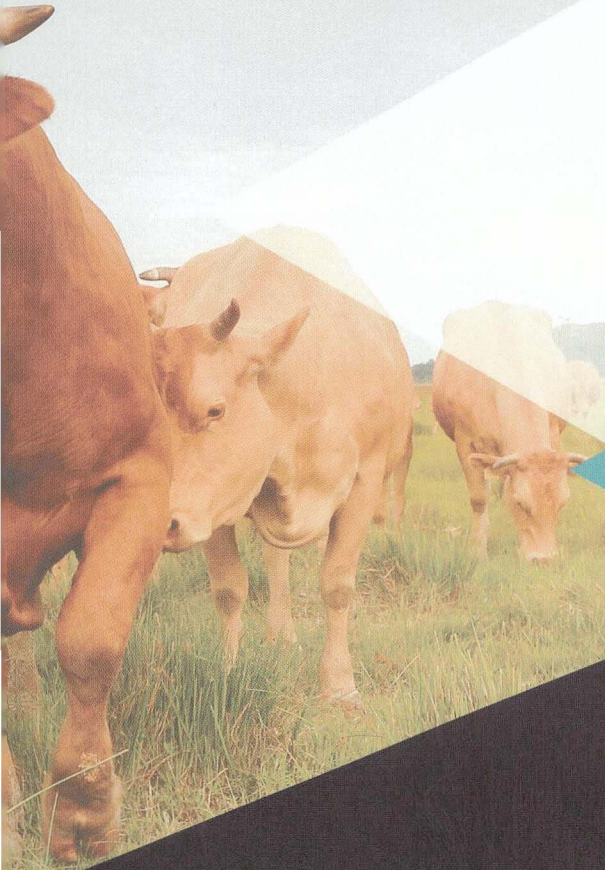
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부 록 한우고기 산육량 예측 프로그램



국립축산과학원 **소 도체수율**

National Institute of Animal Science



제 1 장
재료 및 방법

1. 과거 출간물과 차이점
2. 공시두수
3. 중량측정
4. 조사방법
5. 도체수율 계산
6. 부분육 분할정형
7. 육질분석

National Institute of Animal Science



소 도 체 수 율

01 과거 출간물과 차이점

◦ 한우 도체수율은 1997년과 2004년에 책자를 발간한 바 있었는데, 각각에 대한 조사 대상축의 조건은 표 1과 같다.

◦ 냉도체율은 1997년 보다 약간 증가(암소 0.14%, 수소 0.87%, 거세 0.20% 증가)한 경향을 보인 반면 2004년 보다 약 2.29% 증가한 것으로 나타났다 2004년 대비 냉도체율의 증가 원인은 출하체중 및 냉도체중 증가율 대비 도축부산물(머리·족·가죽·신장·신지방)의 생산율이 상대적으로 감소하였기 때문인 것으로 추정된다.

◦ 절식체중 대비 부분육 생산은 2004년 보다 등심, 채끝 생산율이 감소하고 목심 생산율은 증가한 것으로 나타났다 2004년 대비 부분육 생산율의 차이가 발생한 원인은 외부 부분육 가공장에서 생산된 자료의 경우 당시 시장수요에 따른 등심 부위의 절개위치 차이로 발생한 것으로 추정된다.

◦ 냉도체중 대비 거래정육율은 1997년 보다 약 0 92% 증가, 2004년 보다 약 6.31% 감소하였다. 2004년 대비 거래정육율이 감소한 원인은 지방생산율이 증가하였기 때문인 것으로 추정된다. 또한, 부분육 정형시 지방제거 수준 차이도 영향이 있었을 것으로 추정된다.

◦ 본 조사와 과거 출간물을 종합적으로 비교한 결과 냉도체율과 거래정육율에서 1997년 결과와 유사한 경향을 나타냈으나 2004년 결과와는 차이가 있었다. 이에 대한 원인은 1997년 자료는 우리 원 단독으로 조사한 결과이었고, 2004년 자료는 우리 원 외에 외부 도축장 및 부분육 가공장 자료까지 추가하여 분석한 것으로서 내·외부간 조사 결과 차이에서 발생한 것으로 판단된다

표 1 한우 조사대상축 조건

조사시기		1997년	2004년		2020년	
조사두수		240	865		314	
조사 품종		한우	한우		한우	
성별 조사두수	암	80	84		126	
	수	80	287		65	
	거세	80	494		123	
출하체중(kg)*		375–650	350–750		417–1,015	
성별 출하체중	암	375–540	350–600		422–912	
	수	415–600	400–750		417–1,015	
	거세	476–650	400–750		487–940	
지역		6개도	미반영		8개도	
육질	1^{++}	–	1^{++}	–	1^{++}	22
	1^{+}	–	1^{+}	110	1^{+}	58
	1	60	1	223	1	74
	2	87	2	326	2	71
	3	81	3	206	3	87
육량	A	34	A	350	A	98
	B	164	B	459	B	104
	C	17	C	56	C	110

* 절식체중 기준

02 공시두수

본 연구 사업에 공시된 한우는 314두로서 2016년부터 2020년 9월까지 국립축산과학원에서 도축하여 조사하였다. 공시축은 전국 8개도에서 성, 출하체중 및 지역별로 구입하였다. 각 요인별 공시축 조사 두수는 2014년 한우 도축현황 자료(축산물품질평가원)를 참고하여 확보하였다.

표 2 한우 전체 성별, 출하체중별 조사두수(n=314)

성별	생체중 구간(kg)									계
	500 이하	501~ 550	551~ 600	601~ 650	651~ 700	701~ 750	751~ 800	801~ 850	851 이상	
암소	9	13	21	35	20	14	10	1	3	126
수소	4	5	6	11	6	9	8	7	9	65
거세	1	4	4	10	9	22	31	24	18	123
계	14	22	31	56	35	45	49	32	30	314

* 산출 근거 : 2014년 출하체중대별 한우 도축 자료(축산물품질평가원)을 고려하여 설정

표 3 한우 전체 성별, 지역별 조사두수(n=314)

성별	출하지역								계
	강원	경기	경남	경북	전남	전북	충남	충북	
암소	10	5	19	30	9	18	24	11	126
수소	10	6	9	4	8	6	12	10	65
거세	14	10	10	51	8	14	14	2	123
계	34	21	38	85	25	38	50	23	314

* 산출 근거 : 2014년 지역별 한우 도축 자료(축산물품질평가원)를 고려하여 설정

03 중량측정

도착체중, 절식체중, 방혈체중, 냉도체중을 측정하였다. 생체 및 도체 중량측정은 500g 단위로 측정하였으며, 부분육 및 부산물은 10g 단위로 측정하였다. 도체중은 신장 및 신장지방 중량을 제외한 중량이며 생산수율에서도 신장 및 신장지방을 제외한 수율로 계산하였다. 대·소분할 부분육 분할 및 정형은 식육의 부위별·등급별 및 종류별 구분방법(식약처 고시 제2014-116)을 기준으로 수행하였다. 도체는 10개의 대분할육으로 정형하고 겉지방을 제거하기 전과 후의 중량을 측정하였다. 39개 소분할육은 각 대분할육에서 정형하고 지방과 근막 등 정육량 측정을 위한 불가식 부분의 제거하기 전과 후의 중량을 측정하였다.

04 조사방법

1) 도축 및 도체냉각

한우는 도축 전일에 도착하여 도착체중과 약 12~18시간 계류시킨 다음 절식체중을 측정하였다. 도축방법은 국립축산과학원 도축장에서 '동물보호법 시행규칙 제6조 동물의 도살방법'(축산물 위생관리법 시행규칙 별표 1)에 따라 도축하였다. 소는 실신(총격법) → 방혈 → 머리 및 족 절단 → 박피 → 내장적출 → 도체 이분할 → 세척 공정이 완료된 후 냉각실에 입고하였다. 입고된 도체는 냉각실(0℃)에서 도체 심부온도가 5℃ 이하가 될 때까지 약 18~24시간 냉각하고 냉도체중을 측정한 다음 도체 등급을 판정하였다.

2) 등급판정

소 개체별 냉도체는 도체등급 판정기준(제2013-277호)에 따라 육량 및 육질등급을 판정하였다. 이 기준은 소도체 등급제(제2018-109호)가 시행되기 전의 판정기준이다. 육량등급은 냉도체중, 등지방두께, 등심단면적 및 성숙도 기준에 따라 A, B, C 등급으로 판정하였다. 육질등급은 근내지방도(BMS 1~9번), 육색 및 지방색(1~7번), 조직감 기준에 따라 1^{++}, 1^{+}, 1, 2, 3등급으로 판정하였다.

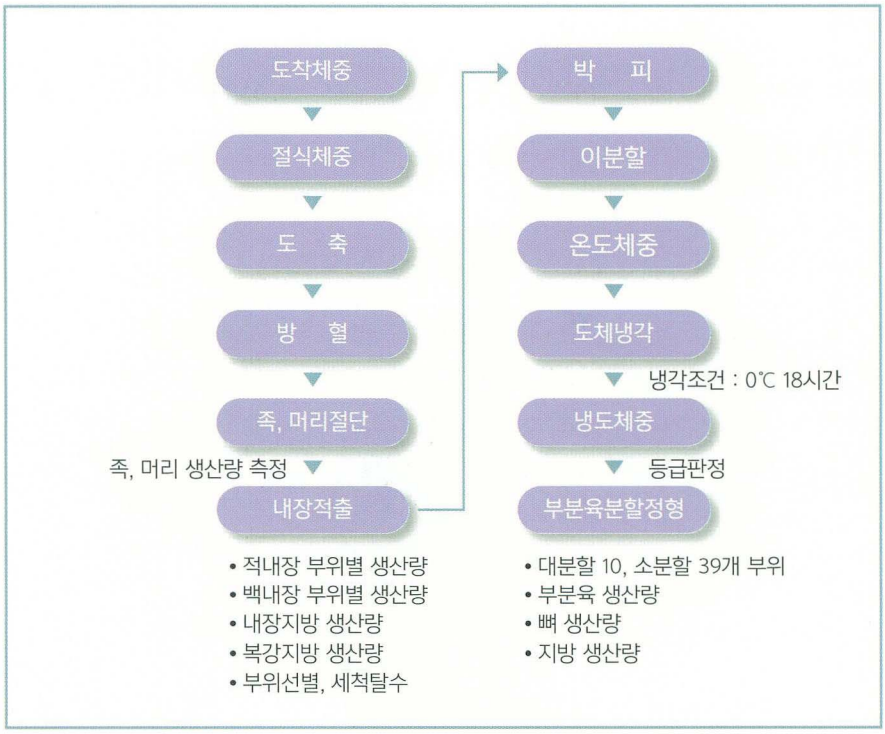


그림 1 소 도축공정

3) 거래정육 및 부분육 부위별 생산량

대분할 10개 부위, 소분할 39개 부위는 '식육의 부위별·등급별 및 종류별 구분방법'(식약처 고시 제2014-116) 기준에 따라 분할정형하였다. 대분할육은 안심, 등심, 채끝, 목심, 앞다리, 우둔, 설도, 양지, 사태, 갈비 10개 부위로 구분되었다. 소분할육은 안심살, 윗등심살, 꽃등심살, 아래등심살, 살치살, 채끝살, 목심살, 꾸리살, 부채살, 앞다리살, 갈비덧살, 부채덮개살, 우둔살, 홍두깨살, 보섭살, 설깃살, 설깃머리살, 도가니살, 삼각살, 양지머리, 차돌박이, 업진살, 업진안살, 치마양지, 치마살, 앞치마살, 앞사태, 뒷사태, 뭉치사태, 아롱사태, 상박살, 본갈비, 꽃갈비, 참갈비, 갈비살, 마구리, 토시살, 안창살, 제비추리로 구분되었다. 10개 대분할 및 39개 소분할육은 겉지방과 근막을 최대한 제거한 다음 정육 생산량을 측정하였다.

4) 도체 규격

도체 규격은 전장, 전·후사분체장, 경장, 흉장, 요장, 선장, 퇴장, 경폭, 흉폭, 요폭, 퇴폭, 흉위, 퇴위, 요후, 퇴후, 흉후를 아래와 같은 방법으로 측정하였다.

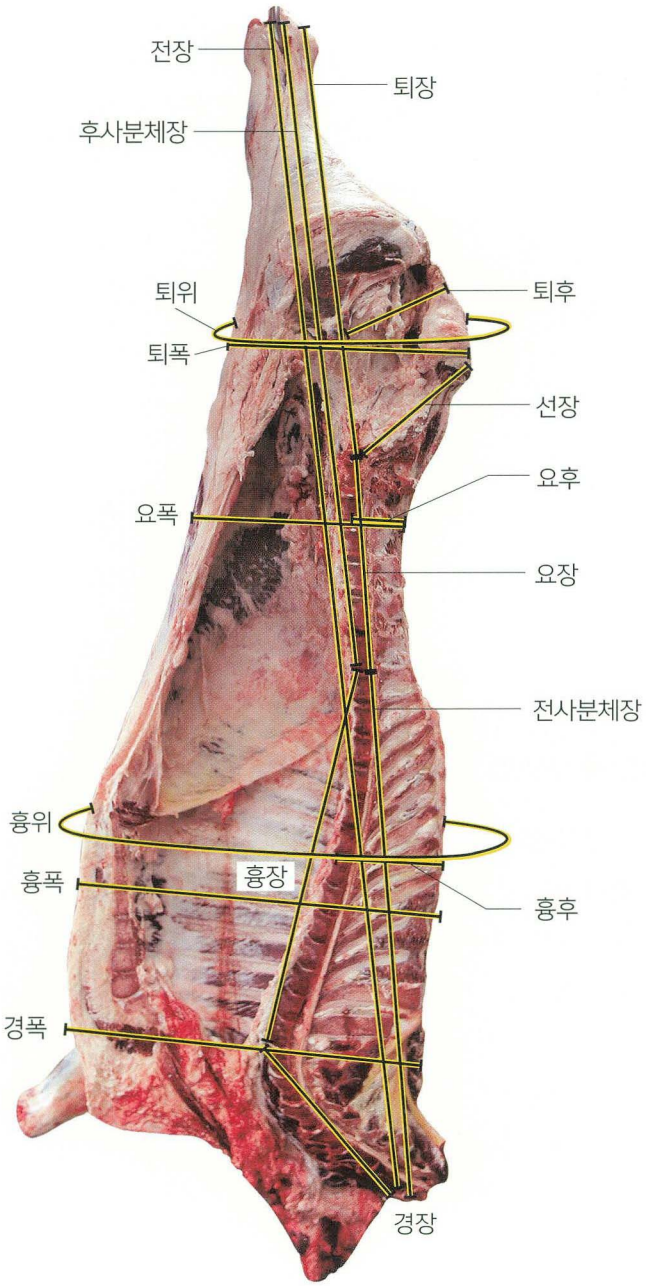


그림 2 도체규격 조사

- 전장: 비절 하단에서 제 1경추 선단부까지의 길이
- 전사분체장: 제13 흉추와 제1요추 사이에서 제 1경추 선단부까지 길이
- 후사분체장: 제13 흉추와 제1요추 사이에서 비절 하단까지 길이
- 경장: 제 1경추에서 제 7경추 사이의 직선거리
- 흉장: 제 1흉추부터 제 13흉추 사이의 직선거리
- 요장: 제 1요추부터 제 6요추 사이의 직선거리
- 선장: 제 1천추부터 제 5천추 사이의 직선거리
- 퇴장: 비절 하단부부터 제 6요추 하단부 직선거리
- 경폭. 제 7경추에서 도체표면까지 수직거리
- 흉폭: 흉추 5~6마디를 가로지른 도체폭
- 요폭: 요추 4~5마디를 가로지른 도체폭
- 퇴폭: 제 5천추에서 골반 중앙부를 가로지르는 도체폭
- 흉위: 제 7~8 흉추의 도체둘레
- 퇴위. 반골 하단의 도체둘레
- 요후. 요추 4~5마디 사이의 도체두께
- 퇴후: 반골 하단의 도체두께
- 흉후. 흉추 7~8마디 사이의 도체두께

5) 부산물 생산량

한우 도축 시 생산되는 1차 부산물 생산량은 머리, 앞다리, 뒷다리, 혈액, 가죽, 내장총량, 식도, 기관, 허파, 염통, 간, 이자, 지라, 1·2위, 3위, 4위, 직장, 소장, 대장, 배지방, 내장지방, 생식기, 유방, 신장, 신지방, 기타지방 등의 생산량을 측정하였다 한우 도체 발골시 생산되는 2차 부산물 생산량은 사골, 꼬리반골, 도가니, 마구리, 잡뼈, 갈비뼈의 생산량을 측정하였다.

05 도체수율 계산

도체율은 생체중 대비 백분율로 환산하였으며 거래정육율, 부분육 생산수율은 생체중 및 냉도체중 대비 생산율로, 도체 부산물 생산율은 도체중 대비 생산량을 백분율로 환산하였다.

06 부분육 분할정형

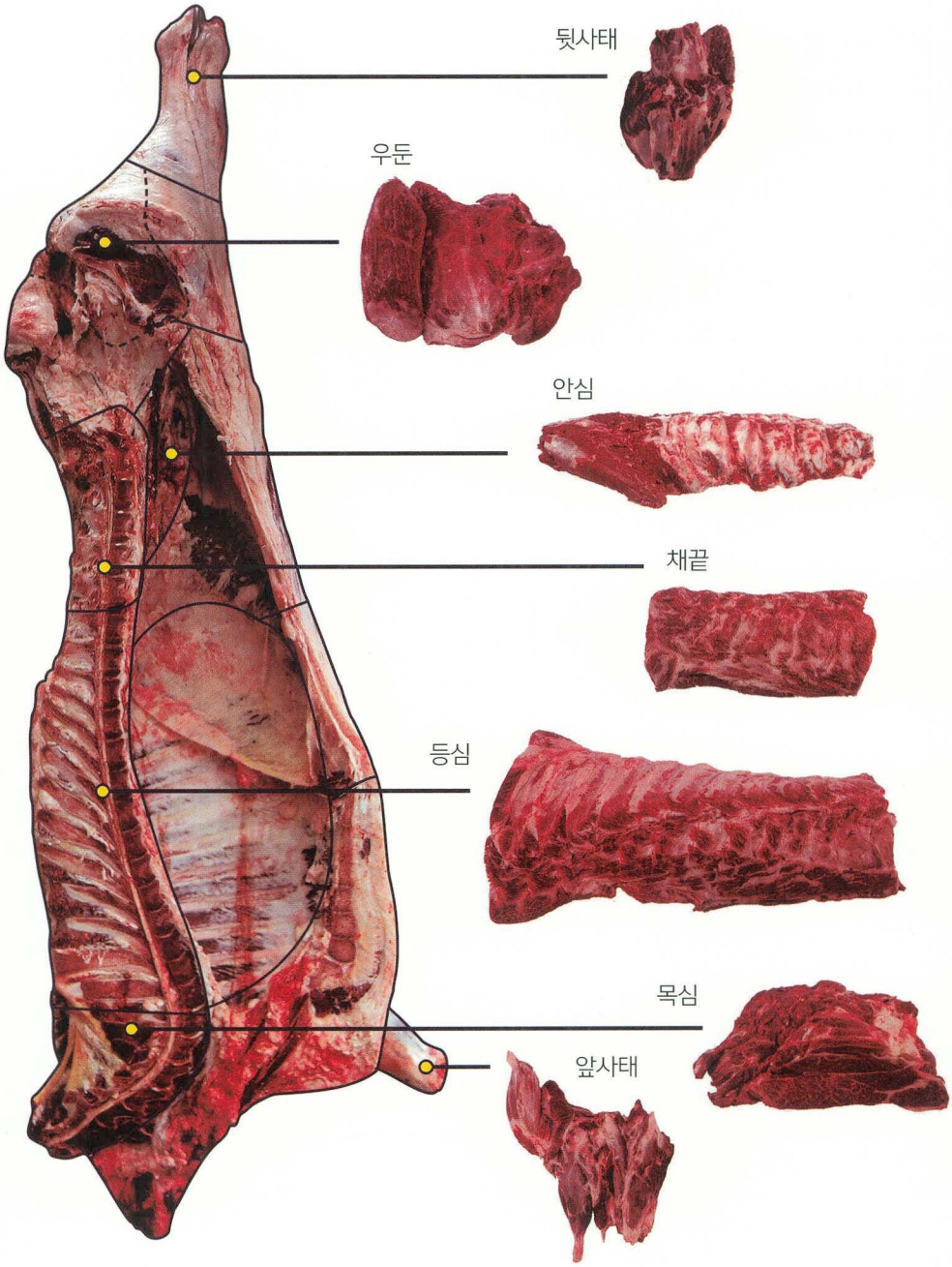
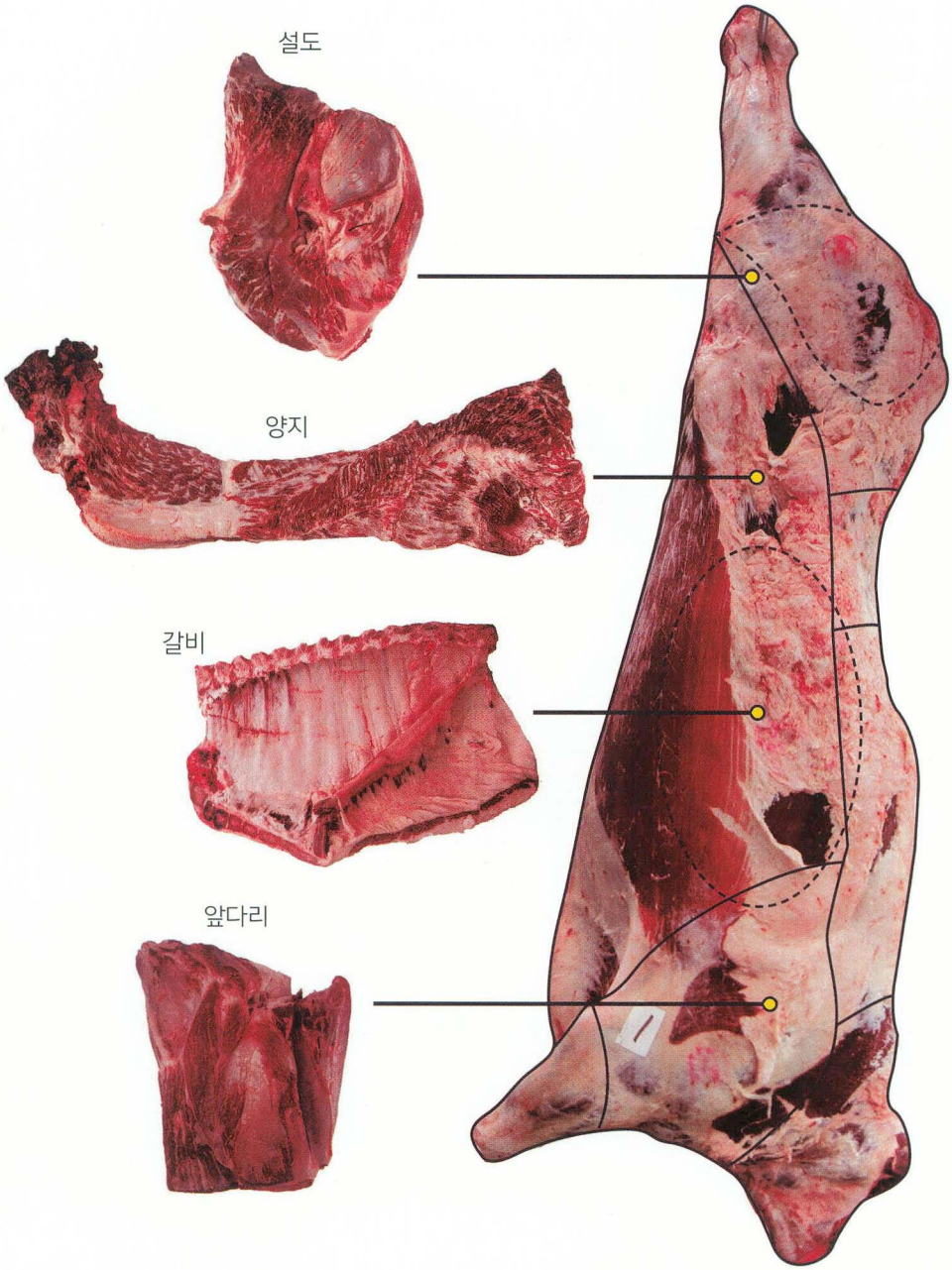


그림 3 대분할 부위(10개)


설도
양지
갈비
앞다리

1) 대분할 부분육 분할정형기준

부위명칭	분 할 정 형 기 준
안 심	허리뼈(요추골) 안쪽의 신장지방을 분리한 후 두덩뼈(치골)아랫부분과 평행으로 안심머리 부분을 절단한 다음, 엉덩뼈(장골) 및 허리뼈(요추골)를 따라 장골허리근(엉덩근), 작은허리근(소요근) 및 큰허리근(대요근)을 절개하고 지방덩어리를 제거 정형한다.
등 심	도체의 마지막 등뼈(흉추)와 제1허리뼈(요추)사이를 직선으로 절단하고, 등가장긴근(배최장근)의 바깥쪽 선단 5cm이내에서 2분체 분할정중선과 평행으로 절개하여 갈비 부위와 분리한 후, 등뼈(흉추)와 목뼈(경추)를 발골하고 제7목뼈와 제1등뼈(흉추)사이에서 2분체 분할정중선과 수직으로 절단하여 생산한다. 어깨뼈(견갑골) 바깥쪽의 넓은등근(광배근)은 앞다리부위에 포함시켜 제외시키고, 과다한 지방덩어리를 제거 정형하며 윗등심살, 꽃등심살, 아래등심살, 살치살이 포함된다.
채 끝	마지막 등뼈(흉추)와 제1허리뼈(요추)사이에서 제13갈비뼈(늑골)를 따라 절단하고 마지막 허리뼈(요추)와 엉덩이뼈(천추골)사이를 절개한 후 엉덩뼈(장골)상단을 배바깥경사근(외복사근)이 포함되도록 절단하며, 제13갈비뼈(늑골) 끝 부분에서 복부 절개선과 평행으로 절단하고, 등가장긴근(배최장근)의 바깥쪽 선단 5cm이내에서 2분체 분할정중선과 평행으로 치마양지부위를 절단 · 분리해내며, 과다한 지방을 제거 정형한다.
목 심	제1~제7목뼈(경추)부위의 근육들로서 앞다리와 양지부위를 제외하고, 제7목뼈(경추)와 제1등뼈(흉추)사이를 절단하여 등심부위와 분리한 후 정형한다. 항인대(떡심)을 기준으로 바깥쪽의 마름모근(멍에살)도 분리하여 목심으로 분류한다.
앞다리	상완뼈(상완골)을 둘러싸고 있는 상완두갈래근(상완이두근), 어깨 끝의 넓은등근(광배근)을 포함하고 있는 것으로 몸체와 상완뼈(상완골)사이의 근막을 따라서 등뼈(흉추) 방향으로 어깨뼈(견갑골) 끝의 연골부위 끝까지 올라가서 넓은등근(활배근) 위쪽의 두터운 부위의 1/3지점에서 등뼈(흉추)와 직선되게 절단하고, 발골하여 사태부위를 분리해내어 생산하며 과다한 지방을 제거 정형하고, 꾸리살, 부채살, 앞다리살, 갈비덧살, 부채덮개살이 포함된다.
우 둔	뒷다리에서 넓적다리뼈(대퇴골) 안쪽을 이루는 내향근(내전근), 반막모양근(반막양근), 치골경골근(박근), 반힘줄모양근(반건양근)으로 된 부위로서 정강이뼈(하퇴골)주위의 사태부위를 제외하여 생산하며 우둔살, 홍두깨살이 포함된다.
설 도	뒷다리의 엉치뼈(관골), 넓적다리뼈(대퇴골)에서 우둔부위를 제외한 부위이며 중간둔부근(중둔근), 표층둔부근(천둔근), 대퇴두갈래근(대퇴이두근), 대퇴네갈래근(대퇴사두근) 등으로 이루어진 부위로서 인대와 피하지방 및 근간지방덩어리를 제거 정형하며 보섭살, 설깃살, 설깃머리살, 도가니살, 삼각살이 포함된다.
양 지	뒷다리 하퇴부의 뒷무릎(후슬)부위에 있는 겸부의 지방덩어리에서 몸통피부근(동피근)과 배곧은근(복직근)의 얇은막을 따라 뒷다리 대퇴근막긴장근(대퇴근막장근)과 분리하고, 복부의 배바깥경사근(외복사근)과 배가로근(복횡근)을 후4분체에서 분리하여 치마양지부위를 분리한다. 전4분체에서 갈비연골(늑연골), 칼돌기연골(검상연골), 가슴뼈(흉골)를 따라 깊은흉근(심흉근), 얕은흉근(천흉근)을 절개하여 갈비부위와 분리하고, 바깥쪽 목정맥(경정맥)을 따라 쇄골머리근(쇄골두근), 흉골유돌근을 포함하도록 절단하여 목심부위와 분리시켜 지방덩어리를 제거 정형하여 생산하며 양지머리, 차돌박이, 업진살, 업진안살과 채끝부위에 연접되어 분리된 복부의 치마양지, 치마살, 앞치마살이 포함된다.
사 태	앞다리의 전완뼈(전완골)과 상완뼈(상완골) 일부, 뒷다리의 정강이뼈(하퇴골)를 둘러싸고 있는 작은 근육들로서 앞다리와 우둔부위 하단에서 분리하여 인대 및 지방을 제거하여 정형하며 앞사태, 뒷사태, 뭉치사태, 아롱사태, 상박살이 포함된다.
갈 비	앞다리 부분을 분리한 다음 갈비뼈(늑골)주위와 근육에서 등심과 양지부위의 근육을 절단 분리한 후, 등뼈(흉추)에서 갈비뼈(늑골)를 분리시킨 것으로서 갈비뼈(늑골)를 포함시키고, 과다한 지방을 제거 정형하며 본갈비, 꽃갈비, 참갈비, 갈비살, 마구리를 포함한다. 대분할 구분의 특성상 토시살, 안창살, 제비추리도 동 부위에 포함하여 분류한다.

2) 소분할 부분육 분할정형기준

대분할 부위명칭	소분할 부위명칭	분 할 정 형 기 준
안 심	안심살	큰허리근(대요근), 작은허리근(소요근), 엉덩근(장골근)으로 구성되며 허리뼈(요추)와의 결합조직 및 표면지방을 제거하여 정형한 것
등 심	윗등심살	대분할된 등심부위에서 제5등뼈(흉추)와 제6등뼈(흉추) 사이를 2분체 분할정중선과 수직으로 절단하여 제1등뼈(흉추)에서 제5등뼈(흉추)까지의 부위를 정형한 것
	꽃등심살	대분할된 등심부위에서 제5~제6등뼈(흉추)사이와 제9~제10등뼈(흉추)사이를 2분체 분할정중선과 수직으로 절단하여 제6등뼈(흉추)에서 제9등뼈(흉추)까지의 부위를 정형한 것
	아래등심살	대분할된 등심부위에서 제9등뼈(흉추)와 제10등뼈(흉추)사이를 2분체 분할정중선과 수직으로 절단하여 제10등뼈(흉추)에서 제13등뼈(흉추)까지의 부위를 정형한 것
	살치살	윗등심살의 앞다리부위를 분리한 쪽에 붙어있는 배쪽톱니근(복거근)으로 윗등심살부위에서 등가장긴근(배최장근)과의 근막을 따라 분리하여 정형한 것
채 끝	채끝살	허리최장근(요최장근), 엉덩갈비근(장늑근), 뭇갈래근(다열근)으로 구성되며 대분할 채끝부위와 같은 요령으로 등심에서 분리하여 정형한 것
목 심	목심살	머리 및 환추최장근, 반가시근(반극근), 널판근(판상근), 목마름모근(경능형근), 목가시근(경극근), 긴머리근(두장근), 상완머리근(상완두근) 및 긴목근(경장근)으로 구성되어 있는 제1~제7목뼈(경추)부위의 근육들로서 대분할 목심부위의 분할정형기준과 동일하게 분리하여 정형한 것
앞다리	꾸리살	어깨뼈(견갑골) 바깥쪽 견갑가시돌기 상단부에 있는 가시위근(극상근)으로 견갑가시돌기를 경계로 하여 부채살에서 근막을 따라 절단하여 정형한 것
	부채살	어깨뼈(견갑골) 바깥쪽 견갑가시돌기 하단부에 있는 가시아래근(극하근)으로 앞다리살, 꾸리살부위와 근막을 따라 분리 정형한 것
	앞다리살	어깨뼈(견갑골) 안쪽부분과 상완뼈(상완골)을 감싸고 있는 근육들로 앞다리부위에서 꾸리살, 부채살, 부채덮개살, 갈비덧살 부위를 제외한 부분을 분리 정형한 것
	갈비덧살	앞다리 대분할시 앞다리에 포함되어 분리된 넓은등근(활배근)으로 앞다리살 부위와 분리한 후 정형한 것
	부채덮개살	어깨뼈(견갑골) 안쪽에 있는 견갑오목근(견갑하근)으로 대분할 앞다리부위에서 분리 정형한 것
우 둔	우둔살	뒷다리 엉덩이 안쪽의 내향근(내전근), 반막모양근(반막양근)으로 우둔 안쪽부위 근막을 따라 반힘줄모양근(반건양근)과 분리한 후 정형한 것
	홍두깨살	뒷다리 안쪽의 홍두깨모양의 단일근육으로 반힘줄모양근(반건양근)이며, 우둔 안쪽부위 근막을 따라 우둔살과 분리한 후 정형한 것

대분할 부위명칭	소분할 부위명칭	분 할 정 형 기 준
설 도	보섭살	뒷다리의 엉덩이를 이루는 부위로 엉치뼈(관골)를 감싸고 있는 중간둔부근(중둔근), 표층둔부근(천둔근), 깊은둔부근(심둔근) 등으로 이루어져 있으며, 엉치뼈, 넓적다리뼈(대퇴골)를 제거한 뒤 대퇴관절(고관절)에서 엉치뼈의 엉덩뼈(장골)과 좌골면을 기준으로 도가니살과 설깃살을 분리한 후 정형한 것
	설깃살	뒷다리의 바깥쪽 넓적다리를 이루는 부위로 대퇴두갈래근(대퇴이두근)으로 이루어져 있으며, 대퇴골 부위에서 보섭살, 삼각살 및 도가니살을 분리한 후 정형한 것
	설깃머리살	대퇴두갈래근(대퇴이두근)의 상단부(삼각형태)를 설깃살에서 관골의 좌골면을 기준으로 분리 정형한 것
	도가니살	뒷다리 무릎뼈(슬개골)에서 시작하여 넓적다리뼈(대퇴골)를 감싸고 있는 근육부위로 대퇴네갈래근(대퇴사두근)으로 이루어져 있으며, 뒷다리 설도부위에서 보섭살, 삼각살, 설깃살과 설깃머리살 부위를 분리한 후 정형한 것
	삼각살	뒷다리의 바깥쪽 엉덩이부위로 대퇴근막긴장근뒷다리의 바깥쪽 엉덩이부위로 대퇴근막긴장근(대퇴근막장근)으로 이루어져 있으며, 보섭살에서 분리한 후 정형한 것
양 지	양지머리	제1목뼈(경추)에서 제7갈비뼈(늑골)사이의 흉골 부위에 붙어 있는 양지부위 근육들로 차돌박이 주변 근육을 포함하며, 목심과 갈비부위에서 분리한 후 정형한 것
	차돌박이	제1갈비뼈(늑골)에서 제7갈비뼈(늑골) 하단부의 희고 단단한 지방을 포함한 근육부위로 폭을 15㎝정도로 하여 양지머리에서 분리한 후 정형한 것
	업진살	제7갈비뼈(늑골)에서 제13갈비뼈(늑골) 하단부까지의 연골부위를 덮고 있는 복부근육들에서 갈비와 분리하여 정형한 것으로 업진안살을 포함한다.
	업진안살	제7~제13갈비뼈(늑골) 복강안쪽에 위치하는 배가로근(복횡근)만으로 이루어진 부위로 가늘고 길며 얇은 판 형태를 이루고 있으며 업진살 부위에서 분리 정형한 것
	치마양지	제1허리뼈(요추)에서 뒷다리 관골 절단면까지 복부근육들로 배속경사근(내복사근), 배곧은근(복직근), 배바깥경사근(외복사근)과 몸통피부근(동피근)이 주를 이루며, 채끝부위 등가장긴근(배최장근) 선단에서 2분체 분할정중선과 수평으로 절단하여 정형한 것으로 치마살과 앞치마살을 포함한 것
	치마살	치마양지부위에서 배속경사근(내복사근)만을 분리하여 정형한 것
	앞치마살	제3~제6허리뼈(요추)까지의 복부절개선 방향에 위치하는 배곧은근(복직근)을 분리 정형한 것으로 타원형의 판 형태를 이루고 있으며 치마양지에서 분리한 것

대분할 부위명칭	소분할 부위명칭	분 할 정 형 기 준
사 태	앞사태	앞다리의 전완뼈(전완골)과 상완뼈(상완골) 일부를 감싸고 있는 여러 근육들로 근막을 따라 앞다리에서 분리 정형한 것
	뒷사태	뒷다리의 정강이뼈(하퇴골)를 싸고 있는 여러 근육들로 근막을 따라 우둔에서 분리 정형한 것
	뭉치사태	넓적다리뼈(대퇴골) 하단부의 무릎관절(슬관절)을 감싸고 있는 장딴지근(비복근)으로 된 부위로서 뒷사태와 분리 정형한 것으로 천지굴근 포함한 것
	아롱사태	뭉치사태 안쪽에 있는 단일근육이며 얕은뒷발가락굽힘근(천지굴근)으로서 아킬레스건에 이어진 근육을 따라 뭉치사태 하단부에서 상단부까지 절개 후 분리 정형한 것
	상박살	앞다리 상완뼈(상완골)을 감싸고 있는 상완근을 앞사태에서 분리 정형한 것
갈 비	본갈비	대분할된 갈비부위에서 제5~제6갈비뼈(늑골)사이를 절단하여 제1갈비뼈(늑골)에서 제5갈비뼈(늑골)까지의 부위를 정형한 것
	꽃갈비	대분할된 갈비부위에서 제5~제6갈비뼈(늑골)사이와 제8~제9갈비뼈(늑골)사이를 절단하여 제6갈비뼈(늑골)에서 제8갈비뼈(늑골)까지의 부위를 정형한 것
	참갈비	대분할된 갈비부위에서 제8~제9갈비뼈(늑골)사이를 절단하여 제9갈비뼈(늑골)에서 제13갈비뼈(늑골)까지의 부위를 정형한 것
	갈비살	갈비부위에서 뼈를 제거하여 살코기부위만을 정형한 것(본갈비살, 꽃갈비살, 참갈비살을 포함한다)
	마구리	대분할된 갈비부위에서 등심부위가 제거된 늑골두 부분과 양지가 분리된 가슴뼈(흉골)와 갈비연골(늑연골) 부분으로서 늑골사이근(늑간근)이 붙어있는 부분을 따라 타원형으로 절단하여 분리한 것
	토시살	제9등뼈(흉추)와 제1허리뼈(요추)에 부착되어 횡격막(안창살)사이의 복강에 노출되어있는 근육으로 안창살과 등뼈(흉추)에서 분리 정형한 것
	안창살	갈비안쪽의 가슴뼈(흉골) 끝에서 허리뼈(요추)까지 갈비를 가로질러있는 얇고 평평하게 복강 내에 노출되어 분포하는 횡격막근으로 갈비뼈(늑골)에서 분리하여 정형한 것
	제비추리	제1등뼈(흉추)에서 제6등뼈(흉추)와 갈비뼈(늑골) 접합부위를 따라 분포하는 띠 모양의 긴목근(경장근)으로 목심 및 등심이 분리되는 지점에서 직선으로 절단하여 정형한 것

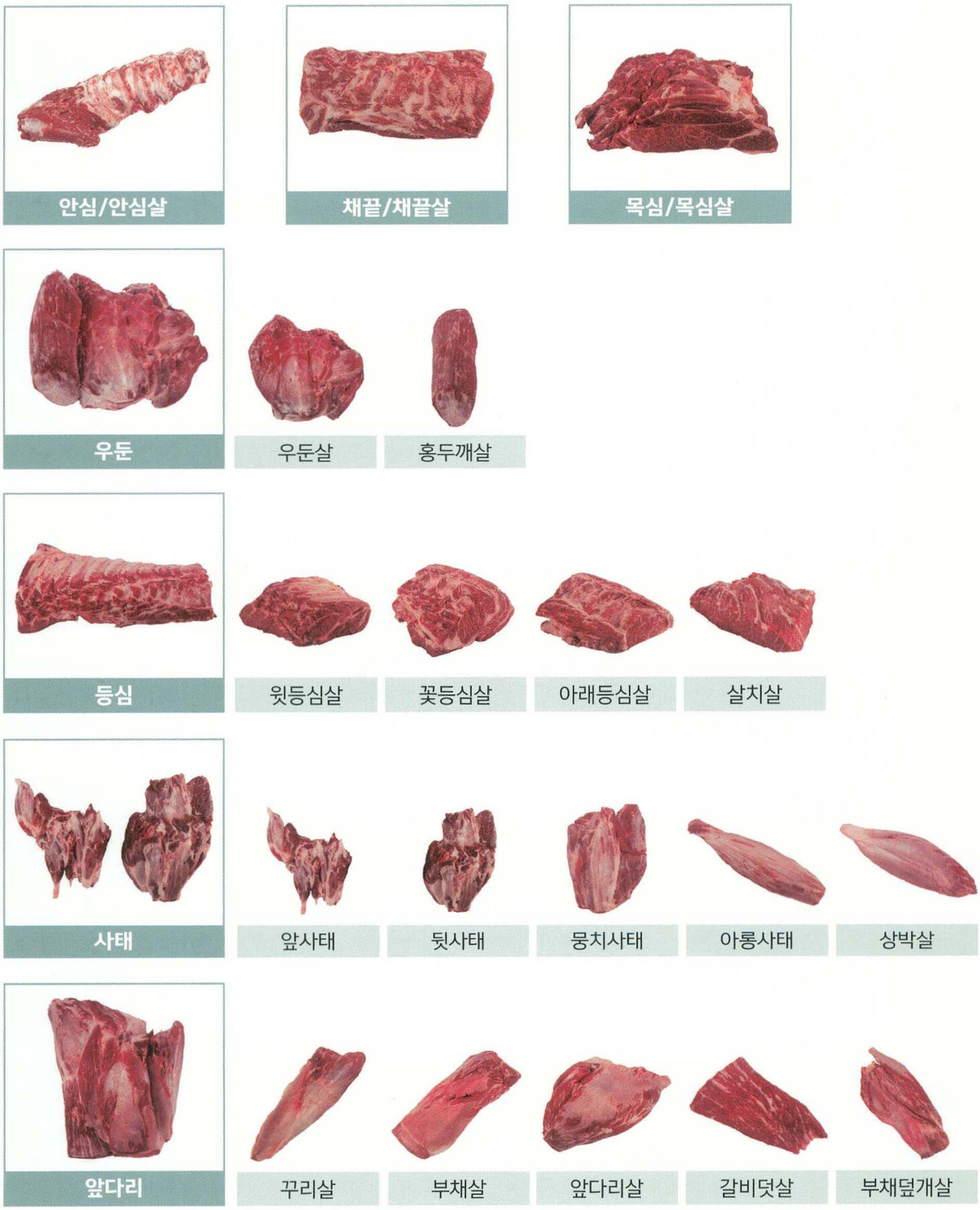


그림 4 대분할별 소분할 부위(39개)



설도



보섭살



설깃살



설깃머리살



도가니살



삼각살



양지



양지머리



차돌박이



업진살



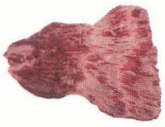
업진안살



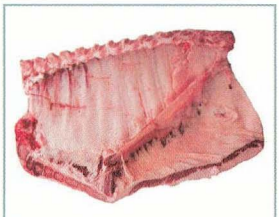
치마양지



치마살



앞치마살



갈비



본갈비



꽃갈비



참갈비



갈비살



마구리



토시살



안창살



제비추리

07 육질분석

한우의 성과 육질등급별 소분할 부위의 이화학적 육질특성을 분석하였다.

1) 일반성분

수분, 지방, 단백질, 콜라겐 함량은 Foodscan(Food ScanTM Lab 78810, Foss Tecator Co. Ltd., Denmark)을 이용하여 분석하였다.

2) pH

pH meter(pH*K21, NWK-Binär GmbH Co., Germany)를 이용하여 도축24시간후에 근육시료에 직접 삽입하여 측정하였다.

3) 육색

부위별 고기시료를 절단하여 30분간 냉암소에서 발색시킨 후 절단면에서 chroma meter (CR-400, Konica Minolta, Japan)를 사용하여 L*(Lightness, 명도), a*(Redness, 적색도), b*(Yellowness, 황색도)를 CIE(Commission Internationale de Leclairage) 값으로 동일한시료를3회 측정한 평균값으로 산출하였다. 이때 사용한 표준판은 No. 21233037이고, Y=86.30, x=0.3165, y=0.3242의 백색 타일 이용하였다.

4) 가열감량

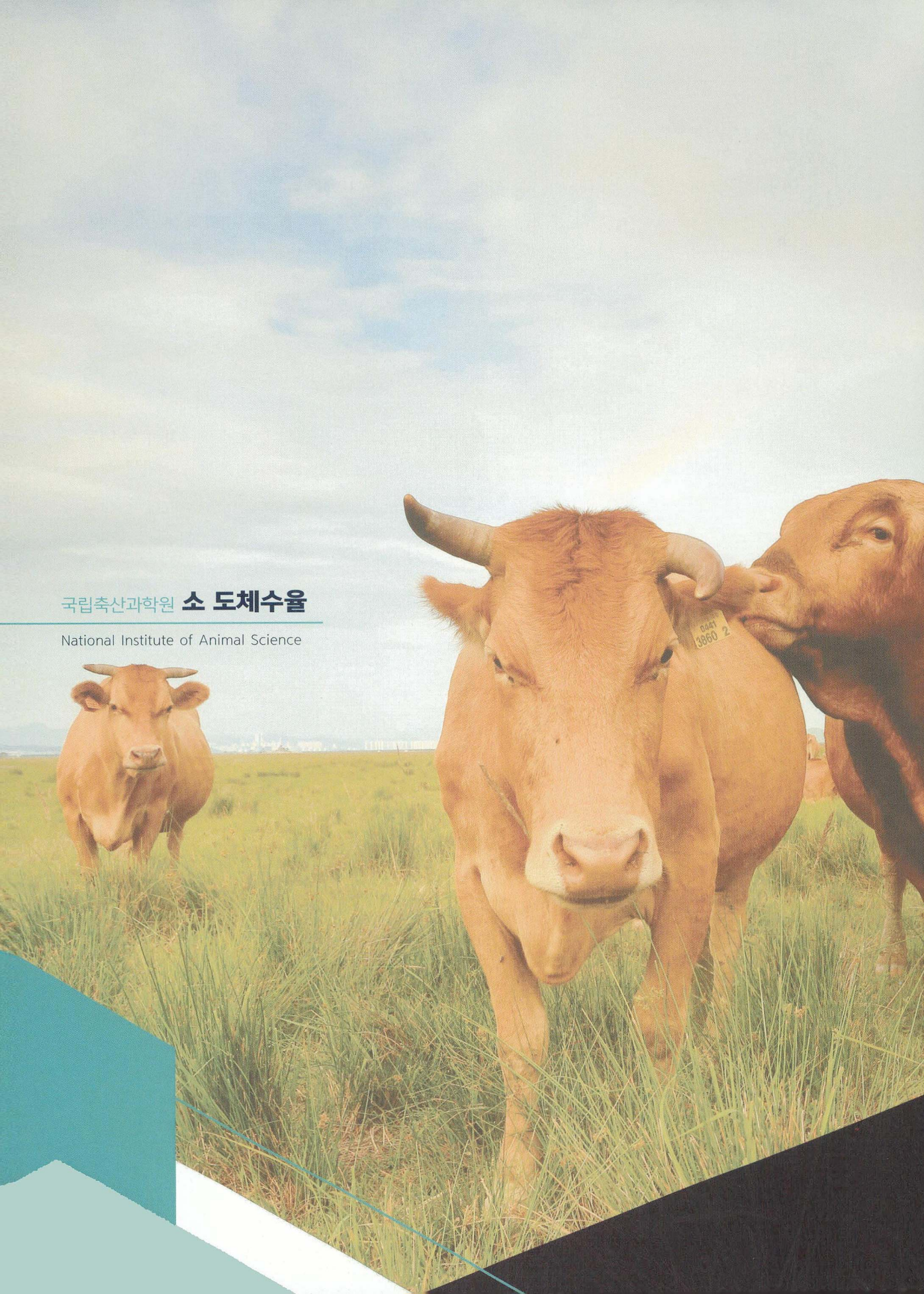
시료를 3 cm 두께의 스테이크 모양으로 절단하여 무게를 측정한 다음 polyethylene bag에 넣어 70℃ 항온수조(Dehan Scientific Co. Model WSB-45, Korea)에서 심부온도를 70℃에 도달시킨 다음 30분간 흐르는 물에서 방냉시키고, 근육시료 표면에 남아있는 수분을 제거한 후 무게를 측정하여 가열 전후의 중량 차이를 백분율로 계산하였다.

5) 보수력

미세한 구멍이 있는 2 ml filter관의 무게를 칭량하고, 공시육을 분쇄하여 지방과 근막(힘줄)을 제거한 후 시료 0.5 g을 원심분리관의 상부 filter관에 넣고 무게를 측정하였다. 시료를 넣은 filter관을 80℃의 항온수조에서 20분간 가열한 후 10분간 실온에서 냉각시킨 다음 filter관을 4℃, 2,000 rpm에서 10분 동안 원심분리 한 후 상부 filter관을 꺼내어 무게를 측정하였다.

6) 전단력

시료를 3 cm두께의 스테이크 모양으로 근섬유방향과 직각이 되도록 근육을 절단하여 육 내부 온도를 70℃까지 가열한 후 흐르는 물에 10분간 방냉하였다. 방냉한 시료에서 직경 1.27 cm 코아(core)를 근섬유 방향에 따라 원통형으로 뚫어 시료를 채취한 다음 Instron Universal Testing Machine(Model 4465, UK)를 이용하여 측정하였다.


국립축산과학원 소 도체수율
National Institute of Animal Science



제 2 장
조사 및 분석 결과

1. 유통단계별 중량변화
2. 유통단계별 도체수율
3. 대분할 부분육 생산
4. 소분할 부분육 생산
5. 도체규격
6. 1차 부산물 생산
7. 2차 부산물 생산
8. 육질특성

여 백

유통단계별 중량변화

표 4 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
도착체중	458.25 ±26.81	483.20 ±16.55	525.45 ±15.44	579.10 ±12.04	627.89 ±14.56	671.46 ±13.54	724.16 ±11.80	777.33 ±13.96	822.22 ±14.08	876.00 ±12.26	928.90 ±40.20	696.06 ±115.67
절식체중	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
온도체중	271.13 ±21.27	287.14 ±20.23	309.90 ±16.72	344.96 ±15.51	379.07 ±20.13	409.46 ±18.94	441.06 ±17.03	483.55 ±17.07	509.30 ±18.48	550.09 ±19.05	570.90 ±31.99	425.23 ±79.05
냉도체중	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
냉각감량	5.08 ±0.56	4.94 ±0.67	5.51 ±0.68	5.98 ±0.86	6.49 ±0.79	6.50 ±0.82	7.09 ±1.01	7.34 ±1.37	7.70 ±1.57	8.52 ±1.76	8.01 ±2.67	6.82 ±1.45
정육중 (대분할)	210.95 ±11.47	242.73 ±18.76	261.85 ±17.37	293.44 ±16.07	323.81 ±19.74	352.10 ±18.60	378.83 ±17.13	416.45 ±16.52	436.36 ±21.16	473.12 ±21.56	491.12 ±29.40	364.25 ±70.13
정육중 (소분할)	182.69 ±14.38	204.36 ±16.42	218.49 ±11.19	243.46 ±13.00	268.38 ±15.41	291.76 ±15.14	314.51 ±14.26	343.80 ±13.35	362.12 ±13.30	396.31 ±15.69	403.16 ±24.16	302.28 ±57.42
거래정육중 (대분할)	179.50 ±19.18	187.37 ±18.19	198.50 ±9.86	220.81 ±12.82	239.46 ±16.69	257.82 ±16.03	278.05 ±19.70	297.96 ±20.23	319.01 ±18.96	350.76 ±26.12	353.64 ±23.34	267.86 ±49.40
거래정육중 (소분할)	159.65 ±20.06	164.38 ±17.96	173.20 ±10.62	191.98 ±14.23	208.32 ±17.21	225.65 ±15.34	242.94 ±20.79	259.63 ±20.11	280.07 ±21.69	308.65 ±26.72	307.47 ±23.35	233.99 ±44.63
뼈	53.24 ±5.10	48.95 ±4.13	53.07 ±5.04	56.80 ±5.03	59.29 ±5.99	61.91 ±5.38	67.07 ±6.73	72.29 ±6.87	79.48 ±6.24	84.01 ±8.48	89.85 ±8.11	66.24 ±11.97
체지방 (소분할)	53.17 ±31.44	68.87 ±15.65	78.13 ±22.47	90.20 ±20.42	104.97 ±24.51	115.40 ±19.88	123.96 ±27.78	144.29 ±26.84	142.06 ±36.68	148.90 ±40.30	165.57 ±24.87	118.18 ±37.14

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 5 한우 암소의 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
도착체중	474.89 ±20.03	525.08 ±15.41	580.86 ±11.64	628.23 ±15.51	671.25 ±13.54	720.71 ±11.88	779.30 ±15.03	894.00 ±38.19	636.27 ±93.17
절식체중	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
온도체중	279.99 ±22.18	309.31 ±18.95	345.19 ±15.09	375.46 ±20.42	406.01 ±20.73	431.14 ±14.46	482.14 ±16.98	538.98 ±18.56	381.46 ±61.83
냉도체중	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
냉각감량	4.79 ±0.50	5.65 ±0.71	5.98 ±0.74	6.29 ±0.68	6.67 ±0.72	6.33 ±0.76	7.13 ±2.46	7.65 ±0.60	6.24 ±1.10
정육중 (대분할)	236.58 ±21.13	263.33 ±19.32	294.99 ±16.20	322.67 ±19.66	349.61 ±19.82	372.49 ±16.05	416.70 ±16.45	457.13 ±18.00	327.33 ±54.88
정육중 (소분할)	198.11 ±17.02	218.00 ±13.03	241.60 ±13.19	263.74 ±14.70	286.95 ±15.53	303.40 ±11.47	335.04 ±13.01	370.79 ±19.43	267.79 ±42.69
거래정육중 (대분할)	180.21 ±13.99	195.33 ±9.33	217.22 ±10.55	231.05 ±11.21	251.96 ±15.71	265.96 ±9.52	287.63 ±10.60	332.25 ±24.11	236.33 ±35.43
거래정육중 (소분할)	157.66 ±13.43	169.60 ±9.68	187.36 ±11.71	199.70 ±9.73	219.39 ±13.13	230.71 ±12.25	244.81 ±11.16	286.35 ±24.20	204.44 ±30.50
뼈	47.55 ±3.52	50.05 ±3.21	54.91 ±4.70	55.83 ±3.53	59.28 ±4.61	62.89 ±6.04	69.66 ±5.70	91.59 ±11.44	58.05 ±9.41
체지방 (소분할)	69.99 ±13.54	84.01 ±21.41	96.94 ±18.01	113.63 ±17.12	120.67 ±17.20	131.21 ±18.58	160.54 ±19.36	153.38 ±30.08	112.73 ±29.33

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 6 한우 수소의 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
도착체중	495.11 ±43.60	570.83 ±7.19	626.45 ±13.28	667.33 ±10.95	722.11 ±11.01	788.63 ±14.38	816.00 ±16.37	896.22 ±52.79	697.88 ±130.84
절식체중	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
온도체중	289.68 ±24.06	342.27 ±11.57	375.35 ±17.20	406.08 ±13.48	441.32 ±16.67	482.41 ±5.94	496.44 ±13.57	555.81 ±34.21	423.61 ±86.21
냉도체중	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
냉각감량	5.54 ±0.66	6.65 ±0.87	7.10 ±0.83	6.92 ±0.60	8.29 ±0.93	8.31 ±0.71	8.66 ±0.54	9.57 ±1.02	7.65 ±1.46
정육중 (대분할)	238.54 ±22.26	286.22 ±10.18	313.70 ±17.98	344.30 ±14.05	373.12 ±14.83	408.39 ±7.98	418.38 ±14.99	471.55 ±31.51	356.59 ±75.63
정육중 (소분할)	207.09 ±19.33	248.95 ±9.22	272.41 ±15.45	296.19 ±11.97	323.11 ±13.67	352.62 ±8.93	364.20 ±13.44	404.12 ±24.15	308.41 ±64.33
거래정육중 (대분할)	202.46 ±18.20	235.56 ±10.18	257.58 ±16.82	274.83 ±9.95	303.30 ±19.94	330.47 ±15.00	342.07 ±16.49	373.95 ±23.18	290.02 ±57.82
거래정육중 (소분할)	180.08 ±17.14	210.06 ±9.76	229.71 ±18.74	244.83 ±10.70	270.06 ±21.58	293.87 ±14.63	307.46 ±17.28	332.60 ±24.60	258.52 ±52.42
뼈	58.22 ±2.89	61.99 ±2.25	67.91 ±4.27	68.87 ±4.37	74.47 ±6.69	81.67 ±6.78	86.22 ±4.87	92.44 ±6.14	74.08 ±12.34
체지방 (소분할)	45.84 ±11.21	63.57 ±8.20	70.63 ±21.57	85.48 ±5.74	88.50 ±23.41	98.57 ±13.69	94.10 ±19.00	121.21 ±30.61	83.36 ±29.08

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 7 한우 거세우의 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
도착체중	547.33 ±38.05	628.30 ±13.71	674.67 ±15.63	727.18 ±11.79	773.77 ±12.15	823.29 ±13.06	874.08 ±13.87	919.67 ±16.92	756.36 ±95.36
절식체중	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
온도체중	329.40 ±26.43	395.80 ±13.89	419.38 ±15.56	447.26 ±16.32	484.29 ±19.23	512.48 ±18.52	553.46 ±22.50	572.35 ±16.14	470.93 ±64.28
냉도체중	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
냉각감량	4.89 ±0.40	6.49 ±0.85	5.86 ±0.86	7.09 ±0.68	7.15 ±0.88	7.45 ±1.69	7.88 ±1.88	7.72 ±3.41	6.98 ±1.52
정육중 (대분할)	279.64 ±24.17	338.93 ±13.38	362.81 ±14.96	385.20 ±16.97	418.45 ±17.86	441.48 ±20.46	480.55 ±23.02	495.65 ±17.33	406.13 ±57.66
정육중 (소분할)	231.16 ±18.78	280.19 ±10.54	299.50 ±13.09	318.07 ±12.10	344.35 ±13.00	362.28 ±13.24	395.43 ±16.56	406.01 ±11.27	334.36 ±46.20
거래정육중 (대분할)	205.05 ±15.39	248.96 ±11.69	259.52 ±11.75	275.41 ±15.10	292.91 ±15.00	312.64 ±14.35	337.72 ±20.28	352.45 ±12.14	288.46 ±38.79
거래정육중 (소분할)	178.30 ±13.67	214.95 ±12.88	226.76 ±12.00	239.62 ±14.44	255.58 ±12.54	272.97 ±15.98	295.06 ±19.29	304.46 ±12.91	251.29 ±34.52
뼈	55.91 ±3.80	61.90 ±2.72	63.13 ±2.28	66.71 ±4.45	70.72 ±5.17	76.84 ±3.77	79.01 ±5.85	87.95 ±4.38	70.49 ±8.76
체지방 (소분할)	90.29 ±14.98	112.46 ±15.84	123.63 ±11.80	133.85 ±22.77	150.85 ±17.50	155.22 ±28.66	171.51 ±31.36	172.23 ±19.87	142.17 ±30.94

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 8 육질 1⁺⁺등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
도착체중	698.80 ±32.86	785.00 ±8.83	821.25 ±16.40	884.33 ±6.03	926.33 ±22.37	804.82 ±78.67
절식체중	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
온도체중	433.04 ±25.26	490.30 ±18.88	523.85 ±16.49	561.77 ±34.57	577.03 ±20.39	504.96 ±54.68
냉도체중	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
냉각감량	6.68 ±0.37	6.09 ±1.76	8.03 ±1.02	6.93 ±1.19	6.93 ±1.18	6.80 ±1.34
정육중 (대분할)	374.21 ±21.79	427.08 ±17.83	451.23 ±17.38	489.85 ±36.06	499.89 ±21.32	437.94 ±48.63
정육중 (소분할)	305.75 ±18.89	349.49 ±13.52	376.15 ±16.22	403.40 ±29.59	401.18 ±21.76	358.80 ±39.79
거래정육중 (대분할)	267.97 ±18.74	302.30 ±9.38	322.96 ±22.37	333.98 ±19.15	342.77 ±26.27	308.09 ±31.11
거래정육중 (소분할)	230.10 ±16.52	260.33 ±9.58	286.39 ±17.76	291.09 ±18.79	295.73 ±18.96	267.22 ±28.33
뼈	62.21 ±4.41	70.30 ±4.22	76.33 ±5.14	76.82 ±2.51	88.62 ±7.13	72.95 ±9.34
체지방 (소분할)	134.05 ±17.20	153.59 ±18.13	153.11 ±22.11	186.92 ±20.46	185.74 ±14.57	157.99 ±25.64

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 9 육질 1⁺등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
도착체중	522.00 ±51.39	627.20 ±14.78	674.14 ±10.82	724.83 ±13.95	772.06 ±12.42	826.89 ±9.68	876.67 ±26.00	732.47 ±99.14
절식체중	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
온도체중	326.70 ±27.55	388.00 ±21.74	414.33 ±13.17	445.90 ±21.35	484.41 ±20.65	515.43 ±12.84	562.87 ±19.20	457.40 ±67.33
냉도체중	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
냉각감량	5.15 ±0.96	6.34 ±0.79	6.39 ±1.06	7.15 ±0.67	7.14 ±0.88	7.08 ±1.40	8.42 ±2.19	6.90 ±1.33
정육중 (대분할)	280.94 ±24.55	333.22 ±19.35	358.28 ±11.10	384.87 ±19.81	417.89 ±18.60	444.24 ±15.95	489.58 ±17.52	394.74 ±59.35
정육중 (소분할)	231.00 ±20.93	274.32 ±16.23	294.99 ±12.85	317.46 ±15.30	343.93 ±14.93	365.97 ±9.21	401.39 ±11.53	324.86 ±48.50
거래정육중 (대분할)	199.97 ±22.30	238.12 ±13.15	259.82 ±13.46	281.00 ±8.71	293.55 ±15.51	318.33 ±6.97	342.83 ±12.67	281.11 ±40.85
거래정육중 (소분할)	172.14 ±24.08	208.25 ±11.47	226.53 ±13.59	242.74 ±6.10	255.78 ±13.17	277.77 ±9.48	300.03 ±6.78	244.93 ±36.18
뼈	49.54 ±6.03	57.67 ±4.33	60.30 ±5.71	66.13 ±6.75	71.35 ±5.43	77.46 ±3.71	79.19 ±4.54	67.37 ±10.20
체지방 (소분할)	99.88 ±24.75	115.74 ±14.28	121.11 ±10.21	129.88 ±16.20	150.14 ±13.20	153.12 ±22.59	175.23 ±19.24	138.20 ±26.51

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 10 육질 1등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
도착체중	520.71 ±26.60	583.00 ±13.45	632.75 ±12.23	673.13 ±17.02	726.86 ±12.98	771.33 ±12.70	820.88 ±13.68	889.83 ±17.94	703.27 ±104.70
절식체중	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
온도체중	317.90 ±19.74	349.07 ±20.26	386.99 ±16.98	416.53 ±27.71	444.66 ±15.23	478.33 ±16.35	507.05 ±22.13	541.37 ±13.08	431.28 ±67.63
냉도체중	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
냉각감량	4.96 ±0.65	5.43 ±0.81	6.40 ±0.61	5.62 ±0.37	6.89 ±0.97	7.43 ±0.82	8.28 ±2.01	7.28 ±1.02	6.62 ±1.36
정육중 (대분할)	270.61 ±20.46	298.11 ±18.99	334.30 ±15.54	361.54 ±25.92	383.91 ±15.82	413.35 ±15.02	436.68 ±24.72	467.80 ±15.96	371.89 ±59.96
정육중 (소분할)	223.84 ±12.97	246.41 ±16.57	273.39 ±13.47	295.90 ±21.70	314.15 ±13.11	337.94 ±10.22	354.32 ±10.84	384.25 ±7.44	304.50 ±47.76
거래정육중 (대분할)	199.87 ±7.36	219.61 ±14.11	237.46 ±14.72	251.37 ±18.04	270.23 ±13.79	286.42 ±13.07	302.62 ±9.38	339.99 ±8.51	263.22 ±40.02
거래정육중 (소분할)	173.70 ±6.52	190.67 ±14.85	204.15 ±15.11	218.58 ±16.66	235.30 ±15.08	248.56 ±12.52	261.52 ±13.92	294.65 ±10.39	228.19 ±35.50
뼈	52.38 ±3.01	56.62 ±3.88	55.74 ±3.67	60.39 ±3.77	63.96 ±4.42	69.04 ±4.92	76.22 ±3.53	82.22 ±3.60	64.08 ±9.65
체지방 (소분할)	86.87 ±21.44	96.35 ±8.84	120.70 ±17.11	131.93 ±18.11	138.52 ±19.01	153.30 ±21.27	161.04 ±35.08	157.22 ±21.78	132.39 ±31.12

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 11 육질 2등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
도착체중	498.38 ±30.76	581.20 ±10.76	619.27 ±14.94	664.13 ±9.61	724.58 ±10.97	781.57 ±14.33	827.00 ±16.81	916.50 ±63.13	678.89 ±119.14
절식체중	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
온도체중	293.03 ±26.97	347.04 ±14.30	366.77 ±20.57	404.16 ±15.41	434.88 ±15.31	486.01 ±16.34	502.28 ±23.31	566.78 ±39.26	409.61 ±79.63
냉도체중	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
냉각감량	5.35 ±0.81	6.27 ±0.64	6.50 ±0.87	6.75 ±0.72	6.83 ±0.53	7.90 ±2.21	6.66 ±1.74	9.32 ±3.07	6.81 ±1.61
정육중 (대분할)	248.10 ±24.40	297.68 ±15.67	312.36 ±21.07	346.58 ±15.75	374.58 ±17.14	416.52 ±16.43	427.95 ±24.79	483.63 ±34.10	350.31 ±69.18
정육중 (소분할)	207.26 ±19.42	242.77 ±9.50	258.65 ±14.13	288.84 ±12.09	309.82 ±11.26	338.61 ±12.82	351.98 ±7.45	405.73 ±26.37	289.56 ±56.82
거래정육중 (대분할)	188.29 ±16.88	215.56 ±9.25	231.85 ±12.65	257.14 ±15.00	270.81 ±12.34	289.74 ±16.62	315.19 ±18.93	359.55 ±33.88	256.45 ±49.47
거래정육중 (소분할)	163.86 ±15.14	185.41 ±9.48	200.64 ±12.87	225.47 ±13.06	236.33 ±14.59	251.66 ±19.68	275.84 ±23.46	316.21 ±33.87	223.27 ±45.06
뼈	48.81 ±4.19	53.09 ±5.21	58.16 ±5.63	61.04 ±5.35	65.56 ±4.72	72.54 ±7.43	82.23 ±8.51	91.44 ±11.15	63.89 ±13.54
체지방 (소분할)	75.01 ±13.26	102.27 ±21.94	101.47 ±23.89	110.90 ±20.00	126.17 ±25.97	153.92 ±29.42	137.55 ±46.52	149.81 ±36.94	115.64 ±34.56

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 12 육질 3등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
도착체중	468.88 ±31.40	527.80 ±15.77	574.08 ±11.02	631.28 ±13.34	670.50 ±13.71	720.80 ±12.13	787.71 ±15.28	812.40 ±18.24	879.83 ±10.07	650.84 ±115.57
절식체중	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
온도체중	274.60 ±21.25	300.83 ±10.34	339.98 ±13.55	377.41 ±15.66	403.45 ±17.94	438.84 ±17.71	481.31 ±5.46	497.56 ±13.07	544.70 ±13.71	390.42 ±78.12
냉도체중	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
냉각감량	5.21 ±0.66	5.61 ±0.58	6.11 ±0.95	6.62 ±0.90	7.05 ±0.43	7.78 ±1.51	8.31 ±0.77	8.42 ±0.41	9.82 ±1.02	6.94 ±1.51
정육중 (대분할)	228.15 ±20.84	251.23 ±9.76	286.49 ±13.50	319.46 ±14.90	343.85 ±17.00	371.23 ±14.98	407.77 ±8.41	420.06 ±15.66	459.73 ±15.47	329.61 ±67.47
정육중 (소분할)	196.33 ±19.37	212.1 6±9.24	241.14 ±13.55	268.47 ±13.74	288.04 ±14.82	318.50 ±18.29	353.07 ±9.55	364.38 ±15.04	399.31 ±17.03	280.62 ±60.48
거래정육중 (대분할)	187.50 ±20.82	198.55 ±11.89	224.63 ±14.02	246.33 ±19.69	260.53 ±18.52	297.80 ±25.27	331.71 ±15.75	341.07 ±19.82	377.84 ±19.76	261.12 ±58.36
거래정육중 (소분할)	166.30 ±20.87	175.20 ±11.67	196.73 ±15.90	216.60 ±21.24	229.95 ±17.60	263.72 ±27.78	294.69 ±15.60	305.55 ±20.46	336.99 ±21.67	230.90 ±53.71
뼈	51.96 ±4.32	55.61 ±5.37	59.73 ±3.83	63.36 ±6.49	64.13 ±5.58	74.96 ±6.33	81.76 ±7.32	86.31 ±5.74	94.20 ±3.58	67.22 ±13.21
체지방 (소분할)	51.13 ±19.19	64.42 ±13.41	77.41 ±17.94	90.84 ±26.53	102.32 ±16.93	92.38 ±25.36	96.55 ±13.44	97.28 ±21.77	103.70 ±18.19	85.36 ±25.32

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 13 육량 A등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
도착체중	486.71 ±15.96	519.10 ±14.20	577.65 ±12.94	626.06 ±12.28	665.70 ±7.69	721.64 ±11.80	787.30 ±13.82	820.38 ±16.42	878.44 ±12.89	667.06 ±119.80
절식체중	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
온도체중	293.91 ±12.89	305.67 ±9.48	343.45 ±17.18	372.35 ±17.65	401.28 ±18.10	438.01 ±18.14	480.74 ±8.62	498.48 ±17.30	542.18 ±13.09	402.20 ±78.39
냉도체중	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
냉각감량	4.90 ±0.73	5.60 ±0.56	5.84 ±0.90	6.73 ±0.93	7.08 ±0.70	7.93 ±1.09	8.17 ±0.70	8.61 ±0.59	9.41 ±1.14	7.05 ±1.56
정육중 (대분할)	248.80 ±11.70	256.39 ±9.36	290.75 ±16.76	314.05 ±16.80	341.82 ±17.01	370.73 ±15.94	407.89 ±8.42	421.86 ±18.36	459.66 ±13.64	340.41 ±67.28
정육중 (소분할)	211.47 ±10.59	216.59 ±8.78	245.76 ±13.48	268.33 ±16.02	290.40 ±16.47	318.47 ±16.75	350.54 ±9.73	365.52 ±13.36	396.77 ±14.85	291.07 ±59.96
거래정육중 (대분할)	194.89 ±15.74	201.03 ±11.40	225.88 ±13.20	248.90 ±20.00	263.47 ±19.49	294.75 ±25.63	324.03 ±19.69	341.07 ±15.67	370.33 ±21.82	269.14 ±57.89
거래정육중 (소분할)	171.93 ±15.62	176.52 ±11.53	198.75 ±13.72	220.43 ±21.09	233.97 ±18.29	262.22 ±26.17	288.09 ±18.14	305.63 ±14.35	330.03 ±21.99	238.72 ±53.19
뼈	49.71 ±4.62	54.31 ±4.59	58.56 ±4.63	64.12 ±5.84	64.64 ±5.53	73.00 ±7.12	79.74 ±7.33	84.05 ±5.75	90.99 ±7.44	67.86 ±13.50
체지방 (소분할)	67.38 ±15.07	69.25 ±12.91	80.31 ±17.17	81.07 ±21.83	95.59 ±15.28	94.85 ±25.04	104.74 ±17.76	100.18 ±20.37	111.75 ±23.99	88.57 ±23.12

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 14 육량 B등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
도착체중	455.14 ±22.51	536.22 ±12.37	579.40 ±11.90	627.83 ±16.43	673.00 ±15.51	724.12 ±10.24	770.39 ±10.17	821.13 ±13.76	920.78 ±49.51	687.73 ±123.92
절식체중	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
온도체중	263.71 ±19.85	312.79 ±22.13	341.26 ±10.38	379.64 ±21.18	406.41 ±14.39	438.11 ±13.04	480.52 ±17.69	508.88 ±14.80	569.67 ±39.00	417.82 ±84.82
냉도체중	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
냉각감량	5.00 ±0.62	5.37 ±0.82	6.26 ±0.87	6.36 ±0.66	6.23 ±0.67	6.93 ±0.81	7.38 ±1.61	7.04 ±1.43	6.90 ±1.42	6.53 ±1.24
정육중 (대분할)	218.50 ±20.06	266.43 ±21.91	290.63 ±11.37	324.20 ±20.52	348.33 ±15.25	376.16 ±13.37	414.15 ±15.80	436.14 ±19.39	493.30 ±35.27	358.02 ±75.70
정육중 (소분할)	184.86 ±14.35	219.98 ±14.58	238.44 ±11.98	268.52 ±15.85	287.89 ±12.90	313.40 ±11.44	342.13 ±12.75	363.17 ±13.25	406.03 ±27.90	296.54 ±62.02
거래정육중 (대분할)	175.35 ±15.46	195.28 ±6.34	216.67 ±9.57	237.26 ±12.79	255.66 ±13.42	280.53 ±11.56	294.42 ±14.13	318.00 ±9.49	352.60 ±23.40	262.05 ±50.76
거래정육중 (소분할)	154.12 ±16.33	170.36 ±5.68	185.55 ±10.90	206.94 ±10.87	223.30 ±12.56	244.46 ±11.64	255.68 ±11.76	278.79 ±10.69	306.88 ±23.67	228.17 ±44.63
뼈	50.64 ±5.05	50.63 ±3.34	55.51 ±4.52	59.04 ±5.16	63.11 ±3.48	67.42 ±5.65	71.47 ±5.85	80.13 ±4.58	85.89 ±8.19	65.19 ±11.75
체지방 (소분할)	53.95 ±22.92	86.43 ±20.16	93.94 ±10.14	107.30 ±18.24	113.77 ±11.45	119.29 ±14.67	145.99 ±14.19	142.93 ±23.40	169.99 ±24.42	117.94 ±33.92

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 15 육량 C등급 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
도착체중	554.43 ±38.37	629.27 ±14.99	673.19 ±14.86	725.82 ±13.56	778.52 ±14.13	823.93 ±14.26	871.75 ±11.51	910.50 ±13.08	728.72 ±95.38
절식체중	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
온도체중	341.24 ±27.95	383.48 ±20.50	415.79 ±20.65	445.98 ±19.51	487.48 ±19.28	515.41 ±19.74	557.16 ±15.51	561.70 ±9.36	452.11 ±66.01
냉도체중	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
냉각감량	5.80 ±0.66	6.41 ±0.78	6.28 ±0.84	6.71 ±0.87	6.90 ±1.25	7.48 ±1.83	8.41 ±1.87	9.13 ±3.74	6.88 ±1.50
정육중 (대분할)	292.35 ±29.57	330.59 ±18.91	360.45 ±18.69	386.74 ±18.71	422.49 ±18.18	444.84 ±20.75	483.72 ±14.45	481.81 ±12.31	390.94 ±58.09
정육중 (소분할)	235.18 ±17.42	268.30 ±15.35	294.02 ±16.11	313.07 ±15.46	342.03 ±14.78	359.01 ±13.73	395.20 ±11.27	392.74 ±14.22	317.05 ±47.14
거래정육중 (대분할)	205.38 ±11.32	234.39 ±14.59	254.34 ±14.69	264.75 ±11.72	288.59 ±13.97	305.77 ±9.82	334.45 ±17.30	342.38 ±24.32	271.42 ±38.52
거래정육중 (소분할)	175.58 ±12.87	200.64 ±13.69	220.53 ±12.71	228.93 ±12.58	249.46 ±13.33	264.62 ±12.34	291.29 ±14.75	296.29 ±21.99	234.43 ±34.68
뼈	54.14 ±6.70	55.97 ±4.34	58.94 ±4.37	62.88 ±4.22	69.44 ±4.79	76.10 ±5.42	78.67 ±3.73	89.34 ±11.67	65.54 ±10.49
체지방 (소분할)	105.72 ±36.35	120.45 ±16.49	130.04 ±12.92	147.45 ±17.99	161.67 ±17.70	167.20 ±25.44	178.79 ±17.27	166.95 ±30.94	145.26 ±29.31

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 16 도체등급에 따른 한우 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
도착체중	804.82 ±78.67	732.47 ±99.14	703.27 ±104.70	678.89 ±119.14	650.84 ±115.57	667.06 ±119.80	687.73 ±123.92	728.72 ±95.38
절식체중	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
온도체중	504.96 ±54.68	457.40 ±67.33	431.28 ±67.63	409.61 ±79.63	390.42 ±78.12	402.20 ±78.39	417.82 ±84.82	452.11 ±66.01
냉도체중	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
냉각감량	6.80 ±1.34	6.90 ±1.33	6.62 ±1.36	6.81 ±1.61	6.94 ±1.51	7.05 ±1.56	6.53 ±1.24	6.88 ±1.50
정육중 (대분할)	437.94 ±48.63	394.74 ±59.35	371.89 ±59.96	350.31 ±69.18	329.61 ±67.47	340.41 ±67.28	358.02 ±75.70	390.94 ±58.09
정육중 (소분할)	358.80 ±39.79	324.86 ±48.50	304.50 ±47.76	289.56 ±56.82	280.62 ±60.48	291.07 ±59.96	296.54 ±62.02	317.05 ±47.14
거래정육중 (대분할)	308.09 ±31.11	281.11 ±40.85	263.22 ±40.02	256.45 ±49.47	261.12 ±58.36	269.14 ±57.89	262.05 ±50.76	271.42 ±38.52
거래정육중 (소분할)	267.22 ±28.33	244.93 ±36.18	228.19 ±35.50	223.27 ±45.06	230.90 ±53.71	238.72 ±53.19	228.17 ±44.63	234.43 ±34.68
뼈	72.95 ±9.34	67.37 ±10.20	64.08 ±9.65	63.89 ±13.54	67.22 ±13.21	67.86 ±13.50	65.19 ±11.75	65.54 ±10.49
체지방 (소분할)	157.99 ±25.64	138.20 ±26.51	132.39 ±31.12	115.64 ±34.56	85.36 ±25.32	88.57 ±23.12	117.94 ±33.92	145.26 ±29.31

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 17 도체등급에 따른 한우 암소의 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
도착체중	793.00 ±106.13	637.20 ±76.55	659.74 ±87.80	639.17 ±102.86	600.51 ±70.77	576.27 ±74.75	619.60 ±91.65	680.49 ±81.90
절식체중	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
온도체중	483.10 ±69.63	391.82 ±44.34	399.32 ±53.47	383.61 ±69.53	351.71 ±47.41	338.33 ±40.33	367.17 ±61.65	415.29 ±52.59
냉도체중	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
냉각감량	5.87 ±3.08	6.29 ±0.89	6.20 ±0.93	6.39 ±1.19	6.09 ±0.99	5.83 ±0.91	6.20 ±1.28	6.48 ±0.97
정육중 (대분할)	419.87 ±58.39	339.10 ±39.16	344.76 ±47.42	328.69 ±60.57	299.10 ±42.26	287.95 ±35.58	313.36 ±54.13	359.04 ±45.42
정육중 (소분할)	333.35 ±44.23	277.12 ±31.38	281.53 ±37.63	268.88 ±47.27	246.15 ±32.98	240.91 ±29.17	258.14 ±44.28	289.54 ±36.18
거래정육중 (대분할)	289.06 ±28.59	240.07 ±28.79	245.81 ±33.87	236.81 ±39.06	222.24 ±28.29	217.74 ±24.67	230.19 ±37.63	250.89 ±32.38
거래정육중 (소분할)	245.20 ±28.74	208.12 ±25.46	212.04 ±29.61	204.62 ±33.85	193.26 ±24.30	191.12 ±22.41	199.99 ±33.23	214.91 ±28.28
뼈	68.90 ±10.63	55.34 ±6.47	57.69 ±7.50	58.80 ±12.18	57.59 ±6.88	54.61 ±5.95	57.96 ±9.24	59.82 ±10.54
체지방 (소분할)	163.14 ±29.59	122.07 ±20.46	123.39 ±25.95	113.80 ±30.62	94.77 ±22.29	86.78 ±16.73	103.01 ±23.79	134.08 ±23.37

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 18 도체등급에 따른 한우 수소의 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
도착체중	736.50 ±146.16	684.71 ±127.58	705.96 ±112.42	653.00 ±212.99	518.00 ±8.49
절식체중	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
온도체중	441.47 ±98.91	416.47 ±84.10	429.39 ±74.95	391.95 ±136.09	303.80 ±0.00
냉도체중	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
냉각감량	8.22 ±0.97	7.52 ±1.53	7.83 ±1.31	6.90 ±1.92	5.25 ±0.49
정육중 (대분할)	372.84 ±87.13	350.14 ±73.60	361.58 ±65.39	328.60 ±120.75	252.43 ±1.75
정육중 (소분할)	318.94 ±70.40	303.83 ±63.86	313.77 ±56.61	280.28 ±97.17	215.10 ±1.07
거래정육중 (대분할)	294.48 ±57.22	287.28 ±58.95	295.80 ±52.79	260.88 ±78.35	207.54 ±4.45
거래정육중 (소분할)	262.02 ±52.65	256.23 ±53.34	263.96 ±47.92	231.95 ±69.89	181.29 ±5.86
뼈	73.75 ±12.75	73.71 ±12.50	74.80 ±11.90	69.78 ±15.68	61.35 ±0.54
체지방 (소분할)	97.49 ±38.93	79.02 ±25.45	82.80 ±23.92	83.33 ±51.94	55.92 ±6.89

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

표 19 도체등급에 따른 한우 거세우의 도축 및 가공처리단계별 중량 변화(단위: kg)

구분	육질등급				육량등급		
	1^{++}	1^{+}	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
도착체중	806.68 ±77.08	765.70 ±83.75	724.91 ±104.86	762.27 ±90.67	683.95 ±127.56	758.76 ±91.61	781.00 ±69.95
절식체중	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
온도체중	508.41 ±53.45	480.27 ±58.53	447.65 ±67.91	468.11 ±57.17	414.56 ±79.92	470.64 ±60.20	492.08 ±47.79
냉도체중	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
냉각감량	6.95 ±0.93	7.11 ±1.40	6.82 ±1.51	7.15 ±2.38	6.59 ±1.66	6.79 ±1.01	7.31 ±1.79
정육중 (대분할)	440.79 ±48.14	414.15 ±52.71	385.80 ±60.85	401.56 ±50.44	353.56 ±69.21	405.66 ±54.30	426.02 ±42.64
정육중 (소분할)	362.81 ±38.79	341.52 ±42.02	316.24 ±47.77	333.38 ±41.16	297.27 ±61.15	336.03 ±43.79	346.58 ±34.08
거래정육중 (대분할)	311.10 ±31.12	295.43 ±34.30	271.67 ±39.18	291.31 ±40.31	266.65 ±57.07	292.81 ±36.29	292.60 ±29.82
거래정육중 (소분할)	270.70 ±27.40	257.77 ±30.13	236.11 ±34.70	254.66 ±37.64	234.99 ±52.54	254.58 ±31.82	254.34 ±26.78
뼈	73.58 ±9.28	71.57 ±7.59	67.40 ±8.60	72.95 ±9.63	67.06 ±11.44	71.37 ±9.22	70.96 ±6.88
체지방 (소분할)	157.18 ±25.77	143.83 ±26.24	137.31 ±33.19	133.35 ±37.46	105.93 ±20.27	137.91 ±26.60	159.47 ±24.45

*평균±표준편차

*정육중: 지방 포함, 거래정육중: 표면 지방 최소수준(0mm)까지 제거, 체지방: 소분할 부위 정형 후 지방 포함, 뼈: 갈비뼈와 마구리 포함

여 백

유통단계별 도체수율

표 20 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중 (kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
온도체	61.14 ±1.60	60.79 ±3.46	60.55 ±2.88	61.22 ±1.70	61.70 ±2.46	62.17 ±2.05	62.18 ±2.18	63.20 ±2.64	63.33 ±1.81	64.29 ±2.29	62.45 ±1.76	62.24 ±2.49
냉도체	59.99 ±1.62	59.75 ±3.54	59.47 ±2.91	60.16 ±1.67	60.64 ±2.48	61.19 ±2.08	61.18 ±2.16	62.24 ±2.67	62.37 ±1.87	63.29 ±2.28	61.58 ±1.74	61.23 ±2.52
냉각감량	1.15 ±0.17	1.05 ±0.13	1.08 ±0.14	1.06 ±0.16	1.06 ±0.13	0.99 ±0.13	1.00 ±0.14	0.96 ±0.18	0.96 ±0.20	1.00 ±0.20	0.88 ±0.29	1.01 ±0.17
정육율 (대분할)	47.81 ±4.85	51.39 ±3.34	51.15 ±3.01	52.07 ±1.97	52.70 ±2.54	53.46 ±2.12	53.40 ±2.14	54.43 ±2.53	54.26 ±2.24	55.29 ±2.60	53.73 ±2.02	53.26 ±2.65
정육율 (소분할)	41.42 ±4.96	43.25 ±2.64	42.69 ±1.87	43.21 ±1.67	43.69 ±2.04	44.30 ±1.76	44.34 ±1.96	44.92 ±1.80	45.04 ±1.70	46.31 ±1.82	44.10 ±1.36	44.22 ±2.05
거래정육율 (대분할)	40.69 ±5.63	39.63 ±2.88	38.79 ±1.93	39.21 ±2.13	38.99 ±2.59	39.16 ±2.29	39.21 ±2.89	38.91 ±2.23	39.69 ±2.64	40.99 ±3.01	38.68 ±1.45	39.28 ±2.53
거래정육율 (소분할)	36.20 ±5.66	34.76 ±2.94	33.85 ±2.06	34.08 ±2.41	33.93 ±2.75	34.27 ±2.22	34.26 ±3.05	33.90 ±2.24	34.86 ±2.99	36.07 ±3.07	33.62 ±1.49	34.31 ±2.67
뼈	12.02 ±1.10	10.36 ±0.72	10.38 ±1.04	10.09 ±0.95	9.66 ±0.99	9.40 ±0.81	9.46 ±0.99	9.44 ±0.85	9.89 ±0.79	9.82 ±0.97	9.83 ±0.71	9.76 ±1.00
체지방 (소분할)	11.77 ±6.21	14.62 ±3.43	15.25 ±4.31	15.98 ±3.47	17.06 ±3.85	17.51 ±2.89	17.46 ±3.82	18.90 ±3.64	17.63 ±4.38	17.41 ±4.73	18.14 ±2.80	17.16 ±3.98

*평균±표준편차

표 21 한우 암소 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
온도체	60.53 ±3.65	60.69 ±3.44	61.26 ±1.79	61.17 ±2.61	61.76 ±2.29	60.97 ±1.62	63.01 ±1.38	61.43 ±1.72	61.31 ±2.45
냉도체	59.49 ±3.74	59.57 ±3.45	60.19 ±1.76	60.14 ±2.64	60.75 ±2.32	60.08 ±1.64	62.08 ±1.46	60.55 ±1.72	60.30 ±2.48
냉각감량	1.04 ±0.11	1.11 ±0.15	1.06 ±0.13	1.03 ±0.11	1.02 ±0.11	0.90 ±0.11	0.93 ±0.32	0.87 ±0.06	1.01 ±0.15
정육율 (대분할)	51.13 ±3.56	51.65 ±3.43	52.34 ±2.13	52.57 ±2.65	53.18 ±2.33	52.67 ±1.85	54.46 ±1.43	52.09 ±1.63	52.58 ±2.56
정육율 (소분할)	42.81 ±2.66	42.77 ±2.30	42.86 ±1.63	42.97 ±2.04	43.65 ±1.69	42.91 ±1.55	43.79 ±1.09	42.22 ±0.74	43.06 ±1.86
거래정육율 (대분할)	38.95 ±2.14	38.33 ±1.78	38.55 ±1.56	37.66 ±1.73	38.33 ±2.03	37.63 ±1.54	37.61 ±1.43	37.83 ±1.87	38.07 ±1.76
거래정육율 (소분할)	34.07 ±2.11	33.28 ±1.85	33.25 ±1.77	32.55 ±1.58	33.37 ±1.62	32.65 ±1.96	32.00 ±1.34	32.59 ±1.79	32.95 ±1.75
뼈	10.29 ±0.72	9.83 ±0.78	9.76 ±0.93	9.10 ±0.53	9.02 ±0.64	8.90 ±0.89	9.11 ±0.76	10.44 ±1.27	9.38 ±0.86
체지방 (소분할)	15.13 ±2.80	16.46 ±4.14	17.19 ±3.08	18.49 ±2.58	18.35 ±2.53	18.53 ±2.37	20.97 ±2.32	17.53 ±3.69	17.97 ±3.08

*평균±표준편차

표 22 한우 수소 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중 (kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
온도체	60.01 ±1.98	61.48 ±1.57	61.43 ±1.68	62.44 ±1.86	62.91 ±2.27	61.13 ±4.36	62.67 ±2.09	63.45 ±1.50	61.91 ±2.45
냉도체	58.86 ±1.95	60.28 ±1.60	60.26 ±1.75	61.38 ±1.88	61.73 ±2.22	60.08 ±4.27	61.58 ±2.10	62.36 ±1.45	60.79 ±2.44
냉각감량	1.15 ±0.12	1.19 ±0.14	1.16 ±0.15	1.06 ±0.10	1.18 ±0.13	1.05 ±0.13	1.09 ±0.07	1.09 ±0.13	1.13 ±0.13
정육율 (대분할)	49.38 ±1.86	51.41 ±1.51	51.33 ±1.97	52.94 ±1.98	53.18 ±1.90	51.73 ±3.49	52.82 ±2.29	53.83 ±1.60	52.03 ±2.45
정육율 (소분할)	42.89 ±2.17	44.71 ±1.28	44.57 ±1.74	45.55 ±1.75	46.06 ±1.88	44.66 ±2.97	45.98 ±1.99	46.16 ±1.87	45.03 ±2.19
거래정육율 (대분할)	41.98 ±2.83	42.31 ±1.45	42.16 ±2.45	42.26 ±1.57	43.24 ±2.84	41.80 ±2.46	43.18 ±2.20	42.75 ±2.73	42.46 ±2.37
거래정육율 (소분할)	37.35 ±2.95	37.73 ±1.39	37.60 ±2.83	37.65 ±1.69	38.50 ±3.08	37.17 ±2.24	38.81 ±2.28	38.02 ±2.83	37.84 ±2.49
뼈	12.11 ±0.84	11.14 ±0.36	11.13 ±0.79	10.59 ±0.64	10.62 ±1.02	10.36 ±1.23	10.88 ±0.49	10.57 ±0.72	10.94 ±0.95
체지방 (소분할)	9.41 ±1.81	11.42 ±1.48	11.54 ±3.43	13.14 ±0.77	12.61 ±3.30	12.55 ±2.26	11.89 ±2.47	13.77 ±3.02	12.00 ±2.79

*평균±표준편차

표 23 한우 거세우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중 (kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
온도체	61.25 ±1.32	63.87 ±1.26	62.91 ±1.43	62.65 ±2.23	63.79 ±2.15	63.55 ±1.76	64.83 ±2.57	63.04 ±1.55	63.36 ±2.09
냉도체	60.34 ±1.32	62.82 ±1.22	62.03 ±1.43	61.66 ±2.25	62.85 ±2.20	62.62 ±1.81	63.90 ±2.53	62.19 ±1.52	62.42 ±2.11
냉각감량	0.91 ±0.08	1.05 ±0.14	0.88 ±0.12	0.99 ±0.10	0.94 ±0.12	0.93 ±0.22	0.92 ±0.22	0.85 ±0.38	0.94 ±0.17
정육율 (대분할)	51.98 ±1.34	54.69 ±1.27	54.43 ±1.56	53.96 ±2.33	55.12 ±2.10	54.74 ±2.10	56.29 ±2.66	54.59 ±1.71	54.61 ±2.22
정육율 (소분할)	42.98 ±0.89	45.21 ±0.90	44.93 ±1.33	44.55 ±1.59	45.36 ±1.46	44.93 ±1.38	46.31 ±1.83	44.72 ±1.15	44.97 ±1.57
거래정육율 (대분할)	38.16 ±1.41	40.18 ±1.50	38.93 ±1.37	38.57 ±1.99	38.58 ±1.74	38.78 ±1.80	39.56 ±2.36	38.82 ±1.15	38.85 ±1.81
거래정육율 (소분할)	33.18 ±1.42	34.69 ±1.82	34.02 ±1.52	33.56 ±1.88	33.66 ±1.48	33.86 ±2.07	34.56 ±2.21	33.53 ±1.37	33.84 ±1.78
뼈	10.41 ±0.46	10.00 ±0.52	9.47 ±0.30	9.34 ±0.60	9.31 ±0.59	9.53 ±0.49	9.25 ±0.67	9.68 ±0.36	9.52 ±0.62
체지방 (소분할)	16.74 ±2.17	18.14 ±2.46	18.54 ±1.61	18.76 ±3.22	19.87 ±2.29	19.23 ±3.39	20.09 ±3.66	18.97 ±2.21	19.06 ±2.89

*평균±표준편차

표 24 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
냉도체중 (kg)	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
정육율 (대분할)	79.73 ±8.16	85.98 ±0.97	85.98 ±1.40	86.53 ±1.22	86.88 ±1.23	87.36 ±1.00	87.28 ±1.15	87.45 ±1.09	86.96 ±1.24	87.34 ±1.29	87.24 ±1.10	86.96 ±1.31
정육율 (소분할)	69.06 ±8.07	72.41 ±2.22	71.81 ±1.67	71.82 ±1.97	72.04 ±1.72	72.40 ±1.34	72.48 ±1.77	72.21 ±1.83	72.23 ±2.22	73.18 ±1.61	71.62 ±1.31	72.22 ±1.80
거래정육율 (대분할)	67.80 ±8.85	66.41 ±4.26	65.36 ±4.15	65.21 ±3.78	64.33 ±3.98	64.01 ±3.27	64.11 ±4.45	62.61 ±4.17	63.71 ±4.84	64.83 ±5.24	62.86 ±3.12	64.22 ±4.28
거래정육율 (소분할)	60.32 ±8.91	58.24 ±4.50	57.06 ±4.53	56.69 ±4.18	55.98 ±4.47	56.03 ±3.35	56.02 ±4.71	54.56 ±4.28	55.96 ±5.34	57.06 ±5.35	54.64 ±3.07	56.10 ±4.55
뼈	20.04 ±1.76	17.38 ±1.35	17.50 ±2.00	16.80 ±1.80	15.95 ±1.75	15.38 ±1.35	15.47 ±1.63	15.18 ±1.38	15.88 ±1.55	15.55 ±1.83	15.97 ±1.33	15.97 ±1.84
체지방 (소분할)	19.64 ±10.32	24.37 ±5.04	25.45 ±6.08	26.51 ±5.34	28.07 ±5.93	28.59 ±4.39	28.51 ±5.95	30.26 ±5.22	28.16 ±6.52	27.39 ±6.94	29.38 ±3.98	27.93 ±5.93

*평균±표준편차

표 25 한우 암소 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
냉도체중 (kg)	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
정육율 (대분할)	85.92 ±1.06	86.67 ±1.19	86.93 ±1.22	87.38 ±0.84	87.53 ±0.95	87.66 ±1.16	87.72 ±1.03	86.03 ±1.02	87.17 ±1.14
정육율 (소분할)	71.99 ±1.96	71.83 ±2.05	71.21 ±1.86	71.46 ±1.42	71.86 ±1.17	71.43 ±1.50	70.55 ±1.93	69.78 ±2.63	71.43 ±1.69
거래정육율 (대분할)	65.57 ±3.04	64.48 ±3.80	64.11 ±3.29	62.66 ±2.58	63.12 ±2.89	62.64 ±2.11	60.62 ±3.10	62.57 ±4.74	63.20 ±3.14
거래정육율 (소분할)	57.36 ±3.16	56.03 ±4.30	55.29 ±3.46	54.18 ±2.65	54.98 ±2.67	54.34 ±2.84	51.59 ±2.87	53.91 ±4.42	54.71 ±3.30
뼈	17.34 ±1.42	16.55 ±1.62	16.25 ±1.87	15.16 ±1.19	14.86 ±1.14	14.83 ±1.64	14.67 ±1.20	17.24 ±2.09	15.59 ±1.66
체지방 (소분할)	25.30 ±3.63	27.41 ±5.29	28.47 ±4.43	30.66 ±3.37	30.16 ±3.48	30.83 ±3.71	33.73 ±3.09	28.85 ±5.35	29.70 ±4.29

*평균±표준편차

표 26 한우 수소 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
냉도체중 (kg)	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
정육율 (대분할)	83.89 ±1.04	85.28 ±0.60	85.16 ±1.16	86.24 ±0.91	86.17 ±1.12	86.14 ±1.14	85.76 ±0.95	86.31 ±0.88	85.58 ±1.25
정육율 (소분할)	72.84 ±1.85	74.17 ±0.74	73.96 ±1.69	74.19 ±0.83	74.61 ±1.38	74.38 ±1.55	74.66 ±1.59	74.01 ±1.81	74.07 ±1.56
거래정육율 (대분할)	71.27 ±2.93	70.19 ±1.96	69.98 ±3.76	68.86 ±1.16	70.03 ±3.58	69.70 ±2.91	70.14 ±3.15	68.55 ±3.83	69.86 ±3.10
거래정육율 (소분할)	63.39 ±3.46	62.59 ±1.97	62.40 ±4.49	61.33 ±1.29	62.35 ±4.10	61.98 ±2.78	63.05 ±3.37	60.96 ±4.07	62.27 ±3.43
뼈	20.57 ±1.29	18.48 ±0.62	18.48 ±1.48	17.27 ±1.20	17.20 ±1.46	17.23 ±1.48	17.69 ±1.19	16.96 ±1.28	18.03 ±1.70
체지방 (소분할)	16.04 ±3.28	18.93 ±2.25	19.12 ±5.53	21.41 ±1.06	20.45 ±5.35	20.80 ±2.90	19.26 ±3.72	22.08 ±4.80	19.70 ±4.31

*평균±표준편차

표 27 한우 거세우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
냉도체중 (kg)	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
정육율 (대분할)	86.14 ±0.64	87.05 ±0.70	87.73 ±0.65	87.49 ±0.88	87.70 ±0.86	87.39 ±1.03	88.06 ±0.96	87.77 ±0.94	87.48 ±0.96
정육율 (소분할)	71.24 ±0.82	71.98 ±1.22	72.41 ±0.91	72.27 ±1.30	72.19 ±1.23	71.76 ±1.61	72.48 ±1.06	71.92 ±1.07	72.06 ±1.27
거래정육율 (대분할)	63.26 ±2.57	63.96 ±2.39	62.76 ±1.82	62.64 ±3.89	61.41 ±2.62	61.99 ±3.57	61.96 ±4.08	62.45 ±2.27	62.29 ±3.17
거래정육율 (소분할)	55.02 ±2.58	55.23 ±3.08	54.84 ±2.07	54.50 ±3.69	53.61 ±2.55	54.14 ±3.91	54.14 ±3.95	53.95 ±2.67	54.26 ±3.20
뼈	17.27 ±0.87	15.92 ±0.86	15.28 ±0.65	15.18 ±1.19	14.82 ±0.89	15.24 ±1.07	14.51 ±1.35	15.58 ±0.59	15.27 ±1.18
체지방 (소분할)	27.72 ±3.23	28.85 ±3.64	29.89 ±2.38	30.33 ±4.47	31.57 ±3.01	30.62 ±4.77	31.35 ±5.13	30.47 ±3.07	30.46 ±3.99

*평균±표준편차

표 28 육질 1^{++}등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중 (kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
온도체	63.29 ±1.64	63.78 ±2.55	64.66 ±1.91	65.04 ±3.83	63.35 ±1.89	63.94 ±2.25
냉도체	62.31 ±1.70	62.99 ±2.57	63.67 ±1.98	64.24 ±3.84	62.59 ±1.92	63.07 ±2.28
냉각감량	0.98 ±0.07	0.79 ±0.23	0.99 ±0.11	0.80 ±0.15	0.76 ±0.15	0.87 ±0.18
정육율 (대분할)	54.69 ±1.55	55.56 ±2.45	55.70 ±2.23	56.71 ±3.97	54.88 ±1.92	55.45 ±2.27
정육율 (소분할)	44.68 ±1.51	45.46 ±1.88	46.42 ±1.78	46.70 ±3.30	44.03 ±1.64	45.43 ±2.00
거래정육율 (대분할)	39.19 ±2.53	39.33 ±1.54	39.84 ±2.16	38.67 ±2.21	37.59 ±1.82	39.07 ±1.95
거래정육율 (소분할)	33.64 ±1.83	33.86 ±1.38	35.33 ±1.56	33.71 ±2.19	32.44 ±1.15	33.86 ±1.68
뼈	9.10 ±0.59	9.14 ±0.52	9.41 ±0.45	8.90 ±0.37	9.72 ±0.52	9.23 ±0.53
체지방 (소분할)	19.57 ±2.08	19.98 ±2.37	18.93 ±2.95	21.63 ±2.22	20.43 ±2.12	19.98 ±2.29

*평균±표준편차

표 29 육질 1⁺등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중 (kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
온도체	63.86 ±3.32	62.92 ±2.79	62.48 ±1.19	62.66 ±2.30	63.92 ±2.21	63.43 ±1.57	65.72 ±2.17	63.55 ±2.30
냉도체	62.85 ±3.16	61.89 ±2.84	61.51 ±1.16	61.65 ±2.33	62.98 ±2.27	62.56 ±1.67	64.73 ±2.03	62.58 ±2.32
냉각감량	1.01 ±0.19	1.03 ±0.12	0.96 ±0.16	1.00 ±0.09	0.94 ±0.12	0.87 ±0.18	0.98 ±0.26	0.96 ±0.15
정육율 (대분할)	54.93 ±3.51	54.04 ±2.65	54.03 ±1.20	54.08 ±2.18	55.15 ±2.15	54.67 ±1.90	57.16 ±1.90	54.83 ±2.28
정육율 (소분할)	45.13 ±2.14	44.48 ±2.05	44.47 ±1.08	44.61 ±1.62	45.39 ±1.63	45.04 ±1.16	46.86 ±1.08	45.12 ±1.65
거래정육율 (대분할)	39.03 ±2.33	38.62 ±1.78	39.16 ±1.34	39.49 ±0.69	38.73 ±1.69	39.18 ±1.11	40.03 ±1.57	39.07 ±1.53
거래정육율 (소분할)	33.57 ±3.07	33.77 ±1.39	34.14 ±1.37	34.12 ±0.45	33.75 ±1.46	34.19 ±1.41	35.03 ±0.86	34.03 ±1.44
뼈	9.66 ±0.53	9.35 ±0.57	9.09 ±0.78	9.29 ±0.87	9.41 ±0.57	9.53 ±0.47	9.24 ±0.42	9.37 ±0.59
체지방 (소분할)	19.63 ±5.29	18.77 ±2.30	18.29 ±1.77	18.25 ±2.13	19.82 ±1.76	18.83 ±2.72	20.46 ±2.28	19.19 ±2.42

*평균±표준편차

표 30 육질 1등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중 (kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
온도체	62.35 ±1.59	61.02 ±1.36	62.44 ±2.05	62.79 ±2.60	62.33 ±2.18	63.30 ±1.69	63.33 ±2.16	61.82 ±1.48	62.50 ±1.99
냉도체	61.38 ±1.69	60.07 ±1.35	61.40 ±2.02	61.94 ±2.60	61.36 ±2.18	62.32 ±1.69	62.29 ±2.19	60.99 ±1.54	61.54 ±1.99
냉각감량	0.97 ±0.14	0.95 ±0.15	1.03 ±0.09	0.85 ±0.05	0.97 ±0.14	0.98 ±0.11	1.04 ±0.27	0.83 ±0.12	0.96 ±0.15
정육율 (대분할)	53.04 ±1.77	52.10 ±1.49	53.93 ±1.90	54.50 ±2.57	53.81 ±2.17	54.70 ±1.60	54.54 ±2.59	53.43 ±1.92	53.86 ±2.08
정육율 (소분할)	43.91 ±0.83	43.07 ±1.49	44.11 ±1.84	44.60 ±2.14	44.04 ±1.95	44.72 ±1.06	44.26 ±1.13	43.88 ±0.98	44.13 ±1.56
거래정육율 (대분할)	39.28 ±1.97	38.39 ±1.38	38.32 ±2.24	37.89 ±1.89	37.89 ±2.15	37.90 ±1.54	37.82 ±1.59	38.83 ±1.14	38.21 ±1.82
거래정육율 (소분할)	34.14 ±1.94	33.32 ±1.72	32.94 ±2.33	32.95 ±1.87	32.99 ±2.30	32.90 ±1.58	32.69 ±2.11	33.65 ±1.27	33.13 ±1.93
뼈	10.31 ±0.98	9.91 ±0.62	9.00 ±0.59	9.11 ±0.38	8.97 ±0.67	9.14 ±0.61	9.53 ±0.52	9.39 ±0.32	9.33 ±0.73
체지방 (소분할)	16.92 ±3.43	16.84 ±1.22	19.46 ±2.64	19.89 ±2.46	19.40 ±2.51	20.28 ±2.72	20.07 ±4.09	17.95 ±2.46	19.09 ±2.91

*평균±표준편차

표 31 육질 2등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중 (kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
온도체	60.26 ±3.57	61.59 ±2.01	60.61 ±2.77	62.00 ±1.69	61.18 ±1.97	63.10 ±1.45	62.38 ±1.37	63.18 ±1.59	61.55 ±2.37
냉도체	59.17 ±3.64	60.48 ±2.02	59.53 ±2.79	60.96 ±1.72	60.22 ±2.01	62.08 ±1.59	61.55 ±1.58	62.14 ±1.58	60.52 ±2.42
냉각감량	1.10 ±0.13	1.11 ±0.11	1.08 ±0.16	1.04 ±0.12	0.96 ±0.07	1.03 ±0.28	0.83 ±0.22	1.04 ±0.33	1.03 ±0.18
정육율 (대분할)	51.01 ±3.31	52.83 ±2.39	51.61 ±2.84	53.16 ±1.76	52.69 ±2.25	54.08 ±1.56	53.15 ±2.04	53.92 ±2.05	52.62 ±2.50
정육율 (소분할)	42.61 ±2.44	43.09 ±1.46	42.75 ±2.07	44.31 ±1.38	43.58 ±1.37	43.96 ±1.14	43.76 ±1.54	45.24 ±1.51	43.50 ±1.79
거래정육율 (대분할)	38.71 ±1.72	38.27 ±1.83	38.35 ±2.44	39.45 ±2.22	38.10 ±1.58	37.63 ±2.11	39.21 ±3.04	40.07 ±2.71	38.60 ±2.17
거래정육율 (소분할)	33.69 ±1.83	32.92 ±1.88	33.20 ±2.53	34.60 ±2.01	33.24 ±1.93	32.68 ±2.43	34.34 ±3.64	35.22 ±2.79	33.58 ±2.34
뼈	10.05 ±0.69	9.42 ±0.92	9.63 ±1.05	9.37 ±0.87	9.22 ±0.67	9.42 ±0.98	10.21 ±0.93	10.18 ±0.96	9.62 ±0.91
체지방 (소분할)	15.42 ±2.55	18.13 ±3.74	16.71 ±3.69	17.00 ±2.93	17.75 ±3.65	19.98 ±3.71	17.00 ±5.37	16.74 ±4.33	17.32 ±3.70

*평균±표준편차

표 32 육질 3등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.200 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
온도체	60.25 ±1.99	58.78 ±1.80	61.03 ±1.74	61.31 ±1.89	61.59 ±2.56	62.59 ±2.37	60.88 ±4.64	62.92 ±2.15	63.47 ±1.59	61.26 ±2.55
냉도체	59.10 ±1.96	57.69 ±1.85	59.93 ±1.69	60.23 ±1.91	60.52 ±2.60	61.48 ±2.24	59.82 ±4.55	61.86 ±2.14	62.32 ±1.51	60.17 ±2.52
냉각감량	1.14 ±0.12	1.10 ±0.12	1.10 ±0.16	1.08 ±0.14	1.08 ±0.07	1.11 ±0.21	1.05 ±0.14	1.06 ±0.06	1.15 ±0.13	1.09 ±0.14
정육율 (대분할)	50.01 ±1.79	49.09 ±1.67	51.42 ±1.82	51.89 ±1.93	52.49 ±2.45	52.94 ±2.01	51.55 ±3.73	53.13 ±2.48	53.56 ±1.73	51.68 ±2.43
정육율 (소분할)	43.03 ±2.19	41.45 ±1.47	43.28 ±2.03	43.62 ±1.97	43.98 ±2.36	45.42 ±2.56	44.63 ±3.21	46.08 ±2.27	46.52 ±1.97	43.94 ±2.51
거래정육율 (대분할)	41.15 ±3.66	38.80 ±2.27	40.32 ±2.31	40.02 ±3.08	39.80 ±3.10	42.47 ±3.56	41.88 ±2.65	43.13 ±2.66	44.03 ±2.35	40.89 ±3.15
거래정육율 (소분할)	36.49 ±3.86	34.23 ±2.10	35.31 ±2.69	35.20 ±3.41	35.12 ±2.88	37.61 ±3.93	37.20 ±2.42	38.64 ±2.72	39.27 ±2.57	36.13 ±3.29
뼈	11.46 ±1.41	10.87 ±1.10	10.73 ±0.78	10.29 ±1.04	9.79 ±0.89	10.69 ±0.90	10.35 ±1.33	10.90 ±0.56	10.98 ±0.47	10.61 ±1.05
체지방 (소분할)	11.15 ±3.88	12.59 ±2.60	13.89 ±3.14	14.74 ±4.22	15.60 ±2.44	13.17 ±3.62	12.28 ±2.29	12.31 ±2.82	12.08 ±2.05	13.43 ±3.41

*평균±표준편차

표 33 육질 1++등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중 (kg)	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
정육율 (대분할)	87.77 ±0.31	88.19 ±0.74	87.46 ±0.80	88.25 ±0.97	87.67 ±0.45	87.90 ±0.68
정육율 (소분할)	71.71 ±1.03	72.18 ±0.99	72.90 ±0.91	72.68 ±0.82	70.34 ±1.34	72.02 ±1.22
거래정육율 (대분할)	62.90 ±3.66	62.49 ±2.67	62.62 ±4.00	60.21 ±1.06	60.08 ±3.03	61.97 ±3.03
거래정육율 (소분할)	53.98 ±2.37	53.82 ±2.54	55.52 ±3.02	52.47 ±1.30	51.85 ±2.09	53.71 ±2.48
뼈	14.61 ±0.96	14.52 ±0.69	14.81 ±1.04	13.89 ±1.05	15.53 ±0.81	14.64 ±0.92
체지방 (소분할)	31.42 ±3.27	31.66 ±2.90	29.67 ±4.01	33.64 ±2.02	32.61 ±2.88	31.64 ±3.06

*평균±표준편차

표 34 육질 1+등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
냉도체중 (kg)	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
정육율 (대분할)	87.35 ±1.26	87.31 ±0.65	87.83 ±0.78	87.71 ±0.91	87.56 ±0.85	87.37 ±1.01	88.30 ±0.46	87.60 ±0.85
정육율 (소분할)	71.83 ±2.05	71.87 ±0.76	72.29 ±1.23	72.37 ±1.23	72.07 ±1.22	72.01 ±1.44	72.41 ±0.73	72.10 ±1.17
거래정육율 (대분할)	62.22 ±4.80	62.43 ±2.24	63.66 ±1.51	64.12 ±2.38	61.51 ±1.80	62.67 ±2.45	61.87 ±2.50	62.46 ±2.40
거래정육율 (소분할)	53.57 ±6.05	54.60 ±1.99	55.50 ±2.09	55.40 ±2.21	53.61 ±1.94	54.70 ±2.92	54.16 ±2.20	54.42 ±2.56
뼈	15.42 ±1.55	15.12 ±0.90	14.78 ±1.26	15.06 ±1.27	14.94 ±0.84	15.26 ±0.99	14.29 ±0.76	14.98 ±1.01
체지방 (소분할)	31.02 ±6.83	30.28 ±2.80	29.72 ±2.75	29.53 ±2.35	31.45 ±2.24	30.04 ±3.74	31.55 ±2.71	30.60 ±3.08

*평균±표준편차

표 35 육질 1등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
냉도체중 (kg)	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
정육율 (대분할)	86.42 ±1.28	86.73 ±0.65	87.83 ±0.63	87.96 ±0.54	87.68 ±0.81	87.78 ±0.85	87.52 ±1.20	87.58 ±1.06	87.52 ±0.96
정육율 (소분할)	71.56 ±1.33	71.68 ±1.40	71.84 ±1.70	71.99 ±1.05	71.76 ±1.47	71.79 ±1.58	71.09 ±1.70	71.96 ±0.60	71.72 ±1.40
거래정육율 (대분할)	64.05 ±4.11	63.91 ±1.58	62.41 ±2.96	61.21 ±2.80	61.75 ±2.87	60.87 ±3.12	60.82 ±3.93	63.70 ±2.64	62.14 ±3.16
거래정육율 (소분할)	55.69 ±3.94	55.47 ±2.28	53.66 ±3.45	53.22 ±2.67	53.76 ±3.18	52.84 ±3.16	52.59 ±4.56	55.21 ±2.79	53.87 ±3.34
뼈	16.81 ±1.61	16.51 ±1.22	14.66 ±0.90	14.72 ±0.69	14.63 ±1.12	14.67 ±1.00	15.32 ±1.20	15.40 ±0.78	15.17 ±1.29
체지방 (소분할)	27.50 ±5.05	28.03 ±1.89	31.68 ±4.06	32.06 ±3.20	31.61 ±3.89	32.50 ±3.81	32.09 ±5.57	29.38 ±3.47	30.96 ±4.19

*평균±표준편차

표 36 육질 2등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
냉도체중 (kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
정육율 (대분할)	86.20 ±1.01	87.32 ±1.28	86.66 ±1.29	87.19 ±1.15	87.48 ±1.19	87.11 ±1.25	86.32 ±1.35	86.75 ±1.24	86.93 ±1.24
정육율 (소분할)	72.07 ±2.34	71.26 ±1.58	71.81 ±1.16	72.68 ±1.17	72.39 ±1.57	70.85 ±2.45	71.14 ±3.49	72.81 ±1.52	71.90 ±1.85
거래정육율 (대분할)	65.52 ±2.42	63.37 ±4.02	64.45 ±3.49	64.73 ±3.46	63.36 ±3.99	60.69 ±4.34	63.82 ±6.44	64.54 ±5.08	63.86 ±4.03
거래정육율 (소분할)	57.03 ±2.90	54.52 ±3.93	55.80 ±3.99	56.77 ±3.27	55.30 ±4.25	52.71 ±4.65	55.92 ±7.18	56.74 ±5.04	55.57 ±4.25
뼈	17.02 ±1.19	15.62 ±1.85	16.20 ±1.88	15.38 ±1.50	15.34 ±1.34	15.18 ±1.53	16.62 ±1.75	16.42 ±1.95	15.92 ±1.68
체지방 (소분할)	25.95 ±3.20	29.86 ±5.32	28.00 ±5.66	27.85 ±4.61	29.36 ±5.15	32.11 ±5.38	27.47 ±8.10	26.84 ±6.48	28.51 ±5.43

*평균±표준편차

표 37 육질 3등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
냉도체중 (kg)	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
정육율 (대분할)	84.62 ±1.65	85.10 ±1.12	85.79 ±1.07	86.15 ±1.29	86.73 ±0.97	86.12 ±1.15	86.21 ±1.22	85.86 ±1.14	85.94 ±0.85	85.87 ±1.27
정육율 (소분할)	72.80 ±2.62	71.85 ±0.90	72.21 ±2.49	72.42 ±2.46	72.66 ±1.70	73.86 ±2.26	74.64 ±1.47	74.48 ±1.91	74.64 ±1.85	73.00 ±2.24
거래정육율 (대분할)	69.58 ±5.10	67.25 ±3.15	67.30 ±3.70	66.45 ±4.79	65.71 ±3.37	69.04 ±4.48	70.12 ±2.87	69.73 ±3.67	70.63 ±2.79	67.94 ±4.14
거래정육율 (소분할)	61.70 ±5.57	59.33 ±2.97	58.94 ±4.37	58.45 ±5.50	58.00 ±3.33	61.11 ±5.25	62.29 ±2.85	62.47 ±3.91	62.99 ±3.39	60.03 ±4.59
뼈	19.39 ±2.22	18.84 ±1.75	17.93 ±1.49	17.10 ±1.73	16.18 ±1.28	17.40 ±1.39	17.29 ±1.59	17.66 ±1.45	17.63 ±0.99	17.65 ±1.77
체지방 (소분할)	18.91 ±6.63	21.83 ±4.48	23.14 ±5.01	24.45 ±6.82	25.82 ±4.10	21.49 ±6.07	20.43 ±2.92	19.86 ±4.34	19.38 ±3.25	22.32 ±5.57

*평균±표준편차

표 38 육량 A등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중 (kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
온도체	61.70 ±2.60	60.60 ±2.28	60.88 ±1.64	60.92 ±1.99	61.49 ±2.63	62.34 ±2.40	61.28 ±3.91	62.42 ±1.95	63.42 ±1.52	61.54 ±2.40
냉도체	60.68 ±2.66	59.49 ±2.32	59.85 ±1.61	59.82 ±2.03	60.41 ±2.67	61.21 ±2.31	60.24 ±3.83	61.34 ±1.96	62.32 ±1.48	60.47 ±2.39
냉각감량	1.03 ±0.13	1.11 ±0.10	1.04 ±0.16	1.10 ±0.16	1.08 ±0.10	1.13 ±0.15	1.04 ±0.12	1.08 ±0.07	1.10 ±0.14	1.08 ±0.13
정육율 (대분할)	52.23 ±2.48	50.83 ±2.23	51.53 ±1.70	51.38 ±2.00	52.38 ±2.47	52.76 ±1.97	51.98 ±3.16	52.83 ±2.18	53.77 ±1.74	52.07 ±2.26
정육율 (소분할)	44.38 ±1.70	42.93 ±1.66	43.57 ±1.65	43.90 ±2.02	44.51 ±2.51	45.33 ±2.28	44.66 ±2.64	45.78 ±1.81	46.41 ±1.65	44.46 ±2.18
거래정육율 (대분할)	40.86 ±2.42	39.82 ±1.87	40.07 ±2.22	40.72 ±2.96	40.39 ±3.14	41.96 ±3.67	41.23 ±2.55	42.72 ±2.13	43.31 ±2.30	41.08 ±2.78
거래정육율 (소분할)	36.04 ±2.47	34.97 ±1.95	35.26 ±2.36	36.07 ±3.20	35.87 ±2.93	37.33 ±3.74	36.65 ±2.30	38.29 ±2.07	38.59 ±2.38	36.41 ±2.84
뼈	10.43 ±0.86	10.76 ±0.88	10.39 ±0.89	10.50 ±0.94	9.91 ±0.89	10.40 ±1.09	10.17 ±1.16	10.52 ±0.68	10.64 ±0.80	10.41 ±0.92
체지방 (소분할)	14.21 ±3.41	13.76 ±2.75	14.20 ±2.75	13.26 ±3.54	14.63 ±2.22	13.49 ±3.49	13.42 ±2.71	12.53 ±2.45	13.09 ±2.90	13.65 ±2.91

*평균±표준편차

표 39 육량 B등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중 (kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
온도체	59.76 ±3.26	59.88 ±2.82	61.05 ±1.37	61.74 ±2.79	61.54 ±0.99	61.63 ±2.03	63.41 ±2.00	63.05 ±1.51	63.04 ±2.78	61.85 ±2.49
냉도체	58.62 ±3.30	58.85 ±2.94	59.93 ±1.35	60.71 ±2.78	60.59 ±1.01	60.66 ±2.04	62.43 ±2.06	62.18 ±1.56	62.28 ±2.83	60.86 ±2.54
냉각감량	1.13 ±0.14	1.03 ±0.18	1.12 ±0.16	1.03 ±0.10	0.94 ±0.11	0.97 ±0.12	0.97 ±0.21	0.87 ±0.18	0.76 ±0.12	0.99 ±0.17
정육율 (대분할)	49.48 ±3.12	51.00 ±3.01	51.99 ±1.69	52.72 ±2.74	52.73 ±1.25	52.92 ±2.06	54.65 ±1.93	54.03 ±2.04	54.60 ±3.03	52.91 ±2.69
정육율 (소분할)	41.90 ±2.73	42.12 ±1.95	42.64 ±1.64	43.67 ±2.11	43.58 ±1.03	44.09 ±1.70	45.15 ±1.44	45.00 ±1.33	44.94 ±2.23	43.85 ±2.06
거래정육율 (대분할)	39.8 1±3.98	37.43 ±1.09	38.75 ±1.19	38.60 ±2.01	38.71 ±1.53	39.46 ±1.64	38.84 ±1.57	39.41 ±1.42	39.01 ±1.26	38.88 ±1.84
거래정육율 (소분할)	35.01 ±4.21	32.66 ±1.11	33.18 ±1.52	33.68 ±1.82	33.81 ±1.52	34.39 ±1.63	33.74 ±1.32	34.56 ±1.55	33.94 ±1.34	33.86 ±1.84
뼈	11.52 ±1.47	9.71 ±0.66	9.93 ±0.85	9.61 ±0.90	9.56 ±0.52	9.48 ±0.76	9.43 ±0.68	9.93 ±0.66	9.49 ±0.50	9.74 ±0.92
체지방 (소분할)	12.09 ±4.68	16.49 ±3.49	16.82 ±1.88	17.42 ±2.79	17.22 ±1.63	16.79 ±2.13	19.27 ±1.93	17.69 ±2.74	18.85 ±2.89	17.27 ±3.06

*평균±표준편차

표 40 육량 C등급 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중 (kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
온도체	62.80 ±3.19	62.23 ±2.44	62.94 ±1.93	62.63 ±2.19	63.93 ±2.01	63.93 ±1.82	65.21 ±2.29	62.61 ±1.29	63.22 ±2.29
냉도체	61.73 ±3.09	61.19 ±2.47	61.99 ±1.94	61.68 ±2.19	63.02 ±2.04	63.00 ±1.88	64.23 ±2.21	61.59 ±1.05	62.25 ±2.30
냉각감량	1.07 ±0.13	1.04 ±0.13	0.95 ±0.13	0.94 ±0.12	0.91 ±0.17	0.93 ±0.24	0.98 ±0.21	1.02 ±0.42	0.97 ±0.18
정육율 (대분할)	53.77 ±3.75	53.65 ±2.37	54.56 ±1.85	54.31 ±2.14	55.41 ±1.93	55.17 ±2.13	56.62 ±2.16	53.71 ±1.76	54.65 ±2.32
정육율 (소분할)	43.30 ±1.97	43.55 ±2.08	44.50 ±1.55	43.96 ±1.87	44.86 ±1.68	44.54 ±1.73	46.26 ±1.63	43.77 ±1.40	44.33 ±1.89
거래정육율 (대분할)	37.86 ±2.05	38.05 ±2.17	38.50 ±1.75	37.18 ±1.51	37.85 ±1.75	37.95 ±1.51	39.14 ±2.07	38.14 ±2.29	38.00 ±1.85
거래정육율 (소분할)	32.36 ±2.32	32.58 ±2.08	33.38 ±1.42	32.16 ±1.71	32.72 ±1.70	32.85 ±1.89	34.08 ±1.65	33.01 ±2.11	32.80 ±1.84
뼈	10.02 ±1.54	9.08 ±0.62	8.92 ±0.56	8.83 ±0.59	9.11 ±0.58	9.44 ±0.61	9.20 ±0.41	9.95 ±1.17	9.17 ±0.75
체지방 (소분할)	19.35 ±6.49	19.53 ±2.48	19.68 ±1.77	20.69 ±2.36	21.19 ±2.16	20.71 ±2.87	20.94 ±2.22	18.64 ±3.67	20.27 ±2.81

*평균±표준편차

표 41 육량 A등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
냉도체중 (kg)	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
정육율 (대분할)	86.08 ±1.03	85.44 ±1.27	86.10 ±1.11	85.88 ±1.14	86.71 ±0.89	86.20 ±1.00	86.32 ±1.08	86.10 ±1.03	86.27 ±1.06	86.11 ±1.08
정육율 (소분할)	73.18 ±2.10	72.17 ±1.39	72.79 ±1.42	73.37 ±1.67	73.64 ±1.28	74.03 ±1.67	74.17 ±1.44	74.62 ±1.19	74.46 ±1.54	73.52 ±1.64
거래정육율 (대분할)	67.42 ±4.30	66.98 ±2.97	66.95 ±3.28	68.05 ±4.02	66.81 ±3.39	68.48 ±4.44	68.54 ±3.55	69.65 ±2.83	69.50 ±3.44	67.94 ±3.61
거래정육율 (소분할)	59.48 ±4.50	58.82 ±3.21	58.91 ±3.54	60.27 ±4.67	59.32 ±3.16	60.91 ±4.80	60.94 ±3.28	62.42 ±2.93	61.94 ±3.61	60.20 ±3.88
뼈	17.20 ±1.38	18.11 ±1.53	17.38 ±1.58	17.55 ±1.52	16.40 ±1.23	16.97 ±1.51	16.87 ±1.51	17.18 ±1.39	17.09 ±1.46	17.23 ±1.48
체지방 (소분할)	23.33 ±5.11	23.08 ±4.26	23.71 ±4.53	22.18 ±5.92	24.28 ±3.94	22.11 ±5.98	22.19 ±3.90	20.40 ±3.81	20.98 ±4.45	22.57 ±4.76

*평균±표준편차

표 42 육량 B등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
냉도체중 (kg)	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
정육율 (대분할)	84.38 ±1.70	86.62 ±1.07	86.74 ±1.05	86.82 ±1.15	87.02 ±0.87	87.23 ±0.98	87.54 ±1.02	86.88 ±1.31	87.64 ±0.98	86.91 ±1.31
정육율 (소분할)	71.47 ±2.03	71.61 ±2.05	71.14 ±1.77	71.93 ±0.93	71.92 ±0.75	72.68 ±1.46	72.32 ±1.27	72.36 ±0.95	72.15 ±0.77	72.04 ±1.39
거래정육율 (대분할)	67.90 ±5.24	63.73 ±3.46	64.67 ±1.94	63.62 ±2.73	63.88 ±2.21	65.08 ±2.49	62.24 ±2.39	63.42 ±2.64	62.71 ±2.67	63.95 ±3.06
거래정육율 (소분할)	59.69 ±5.81	55.63 ±3.74	55.37 ±2.51	55.51 ±2.61	55.79 ±2.17	56.71 ±2.47	54.06 ±2.21	55.60 ±2.83	54.56 ±2.64	55.68 ±3.12
뼈	19.66 ±2.36	16.54 ±1.54	16.60 ±1.66	15.86 ±1.59	15.78 ±0.94	15.65 ±1.39	15.10 ±1.03	16.00 ±1.34	15.27 ±1.15	16.03 ±1.77
체지방 (소분할)	20.64 ±7.68	27.83 ±4.55	28.02 ±2.74	28.64 ±3.98	28.42 ±2.66	27.64 ±3.04	30.84 ±2.54	28.40 ±3.89	30.16 ±3.49	28.29 ±4.34

*평균±표준편차

표 43 육량 C등급 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
냉도체중 (kg)	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
정육율 (대분할)	87.03 ±1.91	87.66 ±0.76	88.02 ±0.73	88.03 ±0.80	87.91 ±0.77	87.56 ±1.03	88.14 ±0.58	87.19 ±1.56	87.78 ±0.95
정육율 (소분할)	70.18 ±1.91	71.17 ±1.72	71.79 ±1.08	71.27 ±1.22	71.18 ±1.65	70.71 ±1.89	72.02 ±0.54	71.06 ±1.85	71.21 ±1.55
거래정육율 (대분할)	61.56 ±5.91	62.20 ±2.84	62.12 ±2.30	60.32 ±2.58	60.09 ±2.63	60.29 ±2.97	60.95 ±2.83	61.95 ±4.10	61.09 ±3.06
거래정육율 (소분할)	52.67 ±6.15	53.26 ±3.03	53.87 ±2.04	52.16 ±2.78	51.95 ±2.69	52.19 ±3.40	53.08 ±2.38	53.61 ±3.77	52.74 ±3.10
뼈	16.34 ±3.21	14.86 ±1.06	14.39 ±0.80	14.33 ±0.97	14.45 ±0.82	15.00 ±1.19	14.34 ±0.80	16.17 ±2.19	14.76 ±1.35
체지방 (소분할)	30.98 ±9.14	31.88 ±3.50	31.74 ±2.37	33.51 ±3.23	33.60 ±2.91	32.81 ±3.90	32.57 ±2.95	30.21 ±5.62	32.50 ±3.89

*평균±표준편차

표 44 도체등급에 따른 한우 절식체중 대비 생산 수율 변화(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
온도체	63.94 ±2.25	63.55 ±2.30	62.50 ±1.99	61.55 ±2.37	61.26 ±2.55	61.54 ±2.40	61.85 ±2.49	63.22 ±2.29
냉도체	63.07 ±2.28	62.58 ±2.32	61.54 ±1.99	60.52 ±2.42	60.17 ±2.52	60.47 ±2.39	60.86 ±2.54	62.25 ±2.30
냉각감량	0.87 ±0.18	0.96 ±0.15	0.96 ±0.15	1.03 ±0.18	1.09 ±0.14	1.08 ±0.13	0.99 ±0.17	0.97 ±0.18
정육율 (대분할)	55.45 ±2.27	54.83 ±2.28	53.86 ±2.08	52.62 ±2.50	51.68 ±2.43	52.07 ±2.26	52.91 ±2.69	54.65 ±2.32
정육율 (소분할)	45.43 ±2.00	45.12 ±1.65	44.13 ±1.56	43.50 ±1.79	43.94 ±2.51	44.46 ±2.18	43.85 ±2.06	44.33 ±1.89
거래정육율 (대분할)	39.07 ±1.95	39.07 ±1.53	38.21 ±1.82	38.60 ±2.17	40.89 ±3.15	41.08 ±2.78	38.88 ±1.84	38.00 ±1.85
거래정육율 (소분할)	33.86 ±1.68	34.03 ±1.44	33.13 ±1.93	33.58 ±2.34	36.13 ±3.29	36.41 ±2.84	33.86 ±1.84	32.80 ±1.84
뼈	9.23 ±0.53	9.37 ±0.59	9.33 ±0.73	9.62 ±0.91	10.61 ±1.05	10.41 ±0.92	9.74 ±0.92	9.17 ±0.75
체지방 (소분할)	19.98 ±2.29	19.19 ±2.42	19.09 ±2.91	17.32 ±3.70	13.43 ±3.41	13.65 ±2.91	17.27 ±3.06	20.27 ±2.81

*평균±표준편차

표 45 도체등급에 따른 한우 암소의 절식체중 대비 생산 수율 변화(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
온도체	62.70 ±0.25	62.88 ±2.79	61.85 ±2.02	61.24 ±2.53	60.21 ±2.14	60.37 ±2.27	60.69 ±2.52	62.33 ±2.12
냉도체	61.93 ±0.30	61.87 ±2.78	60.88 ±2.04	60.21 ±2.57	59.17 ±2.15	59.33 ±2.30	59.66 ±2.56	61.35 ±2.11
냉각감량	0.76 ±0.39	1.01 ±0.12	0.97 ±0.14	1.03 ±0.14	1.05 ±0.14	1.04 ±0.09	1.03 ±0.17	0.98 ±0.16
정육율 (대분할)	54.51 ±0.57	54.42 ±2.67	53.38 ±2.00	52.45 ±2.61	51.17 ±2.17	51.35 ±2.07	51.77 ±2.63	53.89 ±2.12
정육율 (소분할)	43.31 ±0.60	44.47 ±1.88	43.62 ±1.78	42.96 ±1.77	42.15 ±1.62	42.98 ±1.79	42.65 ±1.93	43.47 ±1.77
거래정육율 (대분할)	37.68 ±1.90	38.49 ±1.69	38.11 ±2.06	37.91 ±1.58	38.11 ±1.83	38.90 ±2.05	38.08 ±1.38	37.66 ±1.80
거래정육율 (소분할)	31.90 ±0.76	33.36 ±1.70	32.89 ±2.17	32.77 ±1.58	33.15 ±1.71	34.13 ±1.83	33.08 ±1.37	32.26 ±1.71
뼈	8.94 ±0.20	8.88 ±0.51	8.97 ±0.73	9.40 ±0.91	9.91 ±0.76	9.79 ±0.91	9.62 ±0.77	8.96 ±0.75
체지방 (소분할)	21.10 ±0.96	19.62 ±3.03	19.03 ±2.78	18.03 ±3.03	16.11 ±2.56	15.41 ±1.80	16.95 ±2.53	20.14 ±2.58

*평균±표준편차

표 46 도체등급에 따른 한우 수소의 절식체중 대비 생산 수율 변화(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
온도체	61.43 ±2.16	61.97 ±2.57	62.04 ±2.61	61.43 ±1.66	59.52 ±0.91
냉도체	60.26 ±2.23	60.85 ±2.54	60.90 ±2.60	60.32 ±1.67	58.49 ±0.99
냉각감량	1.17 ±0.15	1.12 ±0.12	1.14 ±0.13	1.10 ±0.12	1.03 ±0.08
정육율 (대분할)	51.79 ±2.26	52.01 ±2.56	52.20 ±2.52	51.18 ±2.25	49.45 ±1.10
정육율 (소분할)	44.40 ±1.83	45.14 ±2.29	45.30 ±2.20	43.91 ±1.85	42.14 ±0.43
거래정육율 (대분할)	41.19 ±2.03	42.76 ±2.37	42.74 ±2.29	41.46 ±2.90	40.65 ±0.25
거래정육율 (소분할)	36.62 ±2.23	38.13 ±2.48	38.14 ±2.39	36.89 ±3.00	35.51 ±0.61
뼈	10.37 ±0.79	11.08 ±0.95	10.86 ±0.79	11.39 ±1.68	12.02 ±0.08
체지방 (소분할)	13.26 ±3.11	11.63 ±2.65	11.91 ±2.58	12.05 ±4.20	10.96 ±1.52

*평균±표준편차

표 47 도체등급에 따른 한우 거세우의 절식체중 대비 생산 수율 변화(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
온도체	64.14 ±2.37	63.78 ±2.10	62.89 ±1.91	62.59 ±1.77	61.78 ±1.33	63.03 ±2.01	64.25 ±1.98
냉도체	63.25 ±2.41	62.83 ±2.11	61.93 ±1.90	61.64 ±1.82	60.80 ±1.31	62.11 ±2.03	63.30 ±2.00
냉각감량	0.88 ±0.13	0.95 ±0.16	0.96 ±0.16	0.95 ±0.26	0.97 ±0.10	0.92 ±0.16	0.95 ±0.20
정육율 (대분할)	55.60 ±2.41	54.97 ±2.15	54.16 ±2.11	53.69 ±2.02	52.66 ±1.47	54.30 ±2.10	55.62 ±2.02
정육율 (소분할)	45.77 ±1.94	45.35 ±1.53	44.43 ±1.37	44.57 ±1.04	44.20 ±1.43	44.99 ±1.52	45.25 ±1.58
거래정육율 (대분할)	39.28 ±1.92	39.27 ±1.44	38.24 ±1.69	38.95 ±2.53	39.63 ±1.87	39.23 ±1.54	38.21 ±1.83
거래정육율 (소분할)	34.17 ±1.58	34.26 ±1.29	33.24 ±1.80	34.04 ±2.66	34.86 ±1.93	34.11 ±1.40	33.22 ±1.82
뼈	9.27 ±0.55	9.53 ±0.53	9.53 ±0.66	9.77 ±0.74	10.06 ±0.59	9.57 ±0.60	9.27 ±0.50
체지방 (소분할)	19.81 ±2.40	19.04 ±2.20	19.16 ±3.03	17.83 ±4.34	15.88 ±1.82	18.43 ±2.31	20.81 ±2.43

*평균±표준편차

표 48 도체등급에 따른 한우 냉도체중 대비 생산 수율 변화(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
냉도체중 (kg)	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
정육율 (대분할)	87.90 ±0.68	87.60 ±0.85	87.52 ±0.96	86.93 ±1.24	85.87 ±1.27	86.11 ±1.08	86.91 ±1.31	87.78 ±0.95
정육율 (소분할)	72.02 ±1.22	72.10 ±1.17	71.72 ±1.40	71.90 ±1.85	73.00 ±2.24	73.52 ±1.64	72.04 ±1.39	71.21 ±1.55
거래정육율 (대분할)	61.97 ±3.03	62.46 ±2.40	62.14 ±3.16	63.86 ±4.03	67.94 ±4.14	67.94 ±3.61	63.95 ±3.06	61.09 ±3.06
거래정육율 (소분할)	53.71 ±2.48	54.42 ±2.56	53.87 ±3.34	55.57 ±4.25	60.03 ±4.59	60.20 ±3.88	55.68 ±3.12	52.74 ±3.10
뼈	14.64 ±0.92	14.98 ±1.01	15.17 ±1.29	15.92 ±1.68	17.65 ±1.77	17.23 ±1.48	16.03 ±1.77	14.76 ±1.35
체지방 (소분할)	31.64 ±3.06	30.60 ±3.08	30.96 ±4.19	28.51 ±5.43	22.32 ±5.57	22.57 ±4.76	28.29 ±4.34	32.50 ±3.89

*평균±표준편차

표 49 도체등급에 따른 한우 암소의 냉도체중 대비 생산 수율 변화(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
냉도체중 (kg)	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
정육율 (대분할)	88.02 ±0.74	87.94 ±0.62	87.66 ±0.84	87.10 ±1.23	86.47 ±0.99	86.56 ±0.99	86.75 ±1.04	87.84 ±0.93
정육율 (소분할)	69.93 ±0.96	71.90 ±1.38	71.64 ±1.58	71.38 ±1.71	71.26 ±1.87	72.45 ±1.34	71.50 ±1.48	70.86 ±1.79
거래정육율 (대분할)	60.84 ±3.15	62.29 ±2.87	62.62 ±3.20	63.05 ±3.07	64.45 ±3.04	65.57 ±2.48	63.90 ±2.50	61.42 ±2.96
거래정육율 (소분할)	51.51 ±1.41	54.02 ±3.42	54.03 ±3.36	54.51 ±3.14	56.08 ±3.14	57.54 ±2.28	55.51 ±2.54	52.62 ±2.98
뼈	14.43 ±0.35	14.38 ±0.86	14.74 ±1.21	15.65 ±1.69	16.77 ±1.46	16.50 ±1.40	16.17 ±1.60	14.62 ±1.32
체지방 (소분할)	34.06 ±1.39	31.61 ±3.70	31.22 ±4.20	29.84 ±4.14	27.15 ±3.70	25.97 ±2.91	28.32 ±3.32	32.76 ±3.48

*평균±표준편차

표 50 도체등급에 따른 한우 수소의 냉도체중 대비 생산 수율 변화(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
냉도체중 (kg)	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
정육율 (대분할)	85.94 ±1.12	85.46 ±1.28	85.69 ±1.07	84.82 ±2.11	84.55 ±0.44
정육율 (소분할)	73.68 ±1.26	74.17 ±1.63	74.37 ±1.42	72.78 ±1.75	72.05 ±0.48
거래정육율 (대분할)	68.40 ±3.38	70.29 ±2.96	70.20 ±2.88	68.74 ±4.46	69.52 ±1.61
거래정육율 (소분할)	60.81 ±3.52	62.69 ±3.33	62.64 ±3.24	61.15 ±4.56	60.72 ±2.06
뼈	17.23 ±1.55	18.24 ±1.72	17.85 ±1.38	18.90 ±2.98	20.55 ±0.21
지방 생산율 (소분할)	21.96 ±4.80	19.07 ±4.04	19.51 ±3.91	19.95 ±6.80	18.73 ±2.28

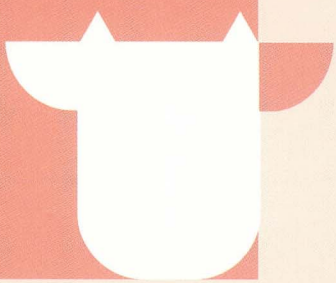
*평균±표준편차

표 51 도체등급에 따른 한우 거세우의 냉도체중 대비 생산 수율 변화(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
냉도체중 (kg)	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
정육율 (대분할)	87.88 ±0.69	87.48 ±0.89	87.43 ±1.04	87.08 ±1.10	86.60 ±0.80	87.41 ±0.98	87.86 ±0.77
정육율 (소분할)	72.35 ±0.88	72.18 ±1.10	71.75 ±1.32	72.33 ±1.82	72.68 ±1.28	72.44 ±1.03	71.50 ±1.26
거래정육율 (대분할)	62.15 ±3.06	62.53 ±2.25	61.80 ±3.15	63.30 ±5.13	65.16 ±2.51	63.21 ±2.60	60.39 ±2.67
거래정육율 (소분할)	54.06 ±2.45	54.56 ±2.22	53.73 ±3.37	55.33 ±5.23	57.33 ±2.68	54.95 ±2.48	52.50 ±2.87
뼈	14.68 ±0.98	15.19 ±0.98	15.41 ±1.29	15.87 ±1.34	16.55 ±1.10	15.43 ±1.08	14.66 ±0.84
체지방 (소분할)	31.26 ±3.10	30.25 ±2.80	30.87 ±4.24	28.80 ±6.38	26.12 ±2.93	29.62 ±3.10	32.83 ±3.37

*평균±표준편차

대분할 부분육 생산



1) 출하체중에 따른 대분할 부분육 생산량

표 52 출하체중에 따른 한우 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간 (kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
거래정육중 (대분할)	179.50 ±19.18	187.37 ±18.19	198.50 ±9.86	220.81 ±12.82	239.46 ±16.69	257.82 ±16.03	278.05 ±19.70	297.96 ±20.23	319.01 ±18.96	350.76 ±26.12	353.64 ±23.34	267.86 ±49.40
안심	4.99 ±0.31	5.35 ±0.47	5.58 ±0.45	6.06 ±0.39	6.57 ±0.55	7.05 ±0.44	7.55 ±0.52	7.93 ±0.48	8.54 ±0.64	9.20 ±0.57	9.25 ±0.82	7.25 ±1.22
등심	21.75 ±2.93	23.40 ±2.87	24.85 ±2.43	28.01 ±2.75	30.57 ±3.25	33.02 ±2.96	35.41 ±3.95	38.30 ±3.29	40.75 ±3.53	45.13 ±4.37	43.71 ±3.78	34.13 ±6.84
채끝	5.65 ±0.48	6.96 ±0.79	7.14 ±0.44	8.02 ±0.60	8.84 ±0.78	9.40 ±0.82	9.86 ±0.93	10.50 ±0.93	10.87 ±1.00	12.14 ±1.23	12.61 ±1.11	9.54 ±1.71
목심	16.00 ±4.72	12.99 ±4.69	14.31 ±2.64	16.19 ±3.62	17.92 ±4.20	19.74 ±3.66	21.84 ±5.84	23.43 ±5.56	26.19 ±7.12	30.61 ±9.41	25.38 ±4.82	20.83 ±6.90
앞다리	19.25 ±2.35	18.71 ±2.27	19.78 ±1.77	21.85 ±2.24	23.20 ±2.57	25.04 ±2.21	27.41 ±2.93	29.01 ±2.66	32.30 ±3.32	34.60 ±4.21	35.49 ±3.52	26.39 ±5.37
우둔	16.73 ±2.79	18.21 ±1.54	18.59 ±1.91	20.36 ±1.54	21.70 ±1.71	23.14 ±2.07	24.36 ±2.24	25.92 ±2.35	27.73 ±2.53	29.88 ±2.59	30.64 ±3.12	23.80 ±4.03
설도	25.15 ±3.50	27.08 ±2.30	28.07 ±2.17	31.26 ±2.29	33.32 ±2.17	35.50 ±2.72	38.06 ±2.81	40.42 ±3.12	43.70 ±3.38	47.11 ±3.33	47.87 ±4.21	36.87 ±6.40
양지	25.84 ±4.04	26.96 ±3.22	29.18 ±1.90	31.84 ±2.43	35.16 ±3.01	39.02 ±3.39	41.79 ±3.27	45.15 ±3.73	47.64 ±3.86	54.22 ±4.22	56.04 ±5.53	40.12 ±8.37
사태	12.39 ±0.98	12.29 ±1.09	12.65 ±1.29	13.59 ±1.08	14.50 ±1.35	15.53 ±1.14	16.63 ±1.36	17.60 ±1.47	18.99 ±1.68	19.98 ±1.71	21.03 ±1.99	16.10 ±2.73
갈비	31.76 ±1.57	35.42 ±2.25	38.34 ±4.51	43.64 ±2.89	47.68 ±4.95	50.38 ±4.93	55.13 ±4.84	59.71 ±6.22	62.30 ±5.43	67.90 ±6.44	71.66 ±4.56	52.82 ±10.56

*평균±표준편차

표 53 출하체중에 따른 한우 암소 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
거래정육중(대분할)	180.21 ±13.99	195.33 ±9.33	217.22 ±10.55	231.05 ±11.21	251.96 ±15.71	265.96 ±9.52	287.63 ±10.60	332.25 ±24.11	236.33 ±35.43
안심	5.26 ±0.44	5.68 ±0.52	6.09 ±0.39	6.46 ±0.47	7.07 ±0.46	7.55 ±0.52	7.67 ±0.35	8.78 ±0.52	6.62 ±0.92
등심	22.23 ±2.36	23.81 ±2.26	27.20 ±2.42	29.21 ±2.30	31.57 ±2.61	33.75 ±3.10	35.37 ±1.57	40.20 ±2.69	29.54 ±4.78
채끝	6.87 ±0.98	7.27 ±0.46	8.08 ±0.67	8.92 ±0.77	9.49 ±0.86	10.04 ±0.87	10.69 ±0.59	12.05 ±1.83	8.92 ±1.44
목심	11.69 ±1.33	13.40 ±1.98	14.68 ±1.90	15.67 ±1.72	17.86 ±1.31	18.07 ±2.98	19.20 ±2.73	23.65 ±1.62	16.13 ±3.12
앞다리	17.71 ±1.51	18.95 ±1.57	20.81 ±1.55	21.87 ±1.71	23.81 ±1.62	25.33 ±1.71	27.00 ±1.40	31.48 ±2.55	22.50 ±3.39
우둔	17.67 ±1.44	18.58 ±1.66	20.34 ±1.45	21.24 ±1.42	23.47 ±2.17	24.20 ±1.55	25.26 ±2.27	30.54 ±4.62	21.86 ±3.22
설도	26.47 ±1.90	28.05 ±1.97	31.13 ±2.47	32.59 ±1.61	35.28 ±3.07	37.75 ±1.75	38.91 ±2.92	46.70 ±5.46	33.39 ±4.86
양지	25.69 ±3.43	28.74 ±2.19	31.35 ±2.31	34.20 ±2.51	37.82 ±3.06	39.75 ±2.29	43.38 ±3.62	48.86 ±6.10	34.94 ±5.99
사태	11.98 ±0.97	12.07 ±1.16	13.35 ±1.05	13.82 ±0.83	15.29 ±1.25	15.89 ±0.96	16.99 ±1.22	20.48 ±1.89	14.36 ±2.11
갈비	34.63 ±2.17	38.79 ±5.69	44.19 ±2.71	47.06 ±4.86	50.31 ±6.31	53.63 ±5.54	63.16 ±8.50	69.51 ±4.88	48.08 ±9.38

*평균±표준편차

표 54 출하체중에 따른 한우 수소 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
거래정육중(대분할)	202.46 ±18.20	235.56 ±10.18	257.58 ±16.82	274.83 ±9.95	303.30 ±19.94	330.47 ±15.00	342.07 ±16.49	373.95 ±23.18	290.02 ±57.82
안심	5.29 ±0.38	6.17 ±0.30	6.63 ±0.50	7.17 ±0.42	7.71 ±0.61	8.09 ±0.35	8.21 ±0.67	9.27 ±0.64	7.32 ±1.32
등심	26.17 ±3.07	30.67 ±2.36	34.28 ±3.61	35.65 ±1.88	39.50 ±4.38	41.87 ±3.02	43.76 ±2.61	48.47 ±4.19	37.59 ±7.67
채끝	6.50 ±0.68	7.82 ±0.36	8.30 ±0.66	9.14 ±0.95	9.56 ±0.87	10.64 ±0.84	10.62 ±0.83	11.31 ±0.60	9.21 ±1.72
목심	18.63 ±3.77	22.18 ±2.94	24.47 ±4.42	26.89 ±1.19	31.43 ±4.90	34.22 ±4.22	38.07 ±4.66	38.05 ±9.04	29.18 ±8.42
앞다리	21.46 ±1.37	24.97 ±1.53	26.56 ±2.23	27.67 ±0.79	30.81 ±2.94	32.99 ±2.42	35.76 ±2.52	37.95 ±3.17	29.76 ±5.80
우둔	18.70 ±2.88	21.40 ±1.43	23.13 ±1.90	24.12 ±1.52	26.43 ±2.93	29.54 ±2.10	30.36 ±2.05	31.63 ±2.52	25.65 ±4.89
설도	27.47 ±3.75	32.32 ±1.76	35.06 ±2.60	37.16 ±2.20	39.86 ±2.91	45.08 ±2.31	46.12 ±2.71	49.75 ±3.43	39.07 ±7.72
양지	29.27 ±2.37	33.63 ±1.61	37.30 ±3.60	41.48 ±2.78	44.82 ±2.77	48.01 ±3.87	50.57 ±4.39	57.47 ±5.32	42.82 ±9.55
사태	13.47 ±1.06	14.68 ±0.53	16.07 ±1.31	16.53 ±0.85	17.88 ±1.34	19.85 ±0.88	20.49 ±1.42	21.39 ±2.14	17.55 ±2.97
갈비	35.51 ±3.61	41.73 ±3.26	45.77 ±2.63	49.01 ±1.63	55.30 ±3.27	60.19 ±2.62	58.10 ±2.87	68.66 ±4.89	51.87 ±10.87

*평균±표준편차

표 55 출하체중에 따른 한우 거세우 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중	324.50 ±26.30	389.30 ±13.60	413.50 ±15.20	440.20 ±16.50	477.10 ±19.70	505.00 ±19.00	545.60 ±22.10	564.60 ±16.50	464.00 ±63.60
거래정육중 (대분할)	205.05 ±15.39	248.96 ±11.69	259.52 ±11.75	275.41 ±15.10	292.91 ±15.00	312.64 ±14.35	337.72 ±20.28	352.45 ±12.14	288.46 ±38.79
안심	5.61 ±0.38	6.87 ±0.77	6.94 ±0.43	7.48 ±0.49	7.97 ±0.52	8.63 ±0.63	9.21 ±0.57	9.32 ±0.93	7.86 ±1.12
등심	26.17 ±2.91	31.25 ±2.37	34.48 ±2.43	34.78 ±3.17	38.32 ±2.87	40.06 ±3.29	43.27 ±3.58	43.27 ±2.34	37.01 ±5.42
채끝	7.37 ±0.72	9.12 ±0.74	9.39 ±0.68	9.88 ±1.00	10.40 ±1.04	10.99 ±1.04	12.81 ±1.16	12.52 ±1.17	10.36 ±1.65
목심	13.56 ±2.00	18.58 ±1.45	19.16 ±2.08	20.32 ±2.35	22.00 ±1.96	22.91 ±2.76	25.67 ±5.19	23.77 ±1.97	21.22 ±3.87
앞다리	21.23 ±1.82	24.14 ±1.46	26.05 ±2.00	27.35 ±2.24	28.63 ±1.91	31.34 ±2.92	32.41 ±3.20	36.90 ±2.34	28.61 ±4.22
우둔	18.32 ±1.46	21.76 ±1.72	21.73 ±1.55	23.62 ±1.81	25.20 ±1.45	27.06 ±2.18	28.89 ±2.19	29.30 ±2.43	24.80 ±3.41
설도	28.92 ±2.13	33.96 ±2.29	34.88 ±1.82	37.51 ±3.12	39.70 ±2.17	43.06 ±3.34	45.79 ±2.95	46.52 ±2.61	39.28 ±5.36
양지	30.40 ±2.48	36.20 ±2.58	40.03 ±3.56	41.86 ±3.09	44.99 ±3.41	47.02 ±3.27	52.74 ±3.34	56.87 ±3.40	44.02 ±6.93
사태	13.07 ±0.80	15.12 ±1.18	15.38 ±0.69	16.59 ±1.26	17.21 ±1.09	18.54 ±1.54	19.30 ±1.22	20.51 ±1.60	17.12 ±2.16
갈비	40.40 ±3.61	51.96 ±5.13	51.47 ±2.07	56.02 ±4.86	58.48 ±5.75	63.03 ±5.07	67.64 ±7.41	73.48 ±4.07	58.19 ±9.02

*평균±표준편차

2) 도체등급에 따른 대분할 부분육 생산량

표 56 육질 1^{++}등급 한우 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간 (kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
거래정육중 (대분할)	267.97 ±18.74	302.30 ±9.38	322.96 ±22.37	333.98 ±19.15	342.77 ±26.27	308.09 ±31.11
안심	7.32 ±0.51	8.02 ±0.31	8.83 ±0.39	9.20 ±0.49	8.85 ±0.54	8.29 ±0.79
등심	35.40 ±2.88	40.34 ±2.47	40.77 ±4.16	43.16 ±5.22	41.61 ±0.69	39.85 ±3.92
채끝	10.32 ±1.03	11.49 ±0.79	12.15 ±1.72	13.73 ±1.61	13.77 ±0.99	11.96 ±1.67
목심	19.73 ±3.15	21.90 ±1.77	24.76 ±3.82	25.54 ±2.19	24.76 ±0.70	22.81 ±3.20
앞다리	24.97 ±2.31	27.81 ±0.96	34.05 ±2.37	30.29 ±2.81	34.24 ±5.38	29.52 ±4.32
우둔	22.48 ±1.09	24.69 ±1.85	27.46 ±1.05	28.33 ±2.91	28.03 ±0.89	25.64 ±2.72
설도	35.08 ±2.92	39.68 ±2.41	44.26 ±2.97	45.27 ±3.42	45.24 ±3.46	40.99 ±4.79
양지	39.91 ±2.56	46.93 ±3.14	49.75 ±3.59	52.93 ±4.71	53.73 ±6.08	47.59 ±6.01
사태	14.89 ±1.36	16.90 ±1.20	19.43 ±1.70	18.84 ±0.97	20.21 ±1.75	17.62 ±2.30
갈비	57.86 ±4.99	64.54 ±7.25	61.52 ±7.12	66.70 ±2.27	72.33 ±8.79	63.83 ±7.48

*평균±표준편차

표 57 육질 1⁺등급 한우 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
거래정육중(대분할)	199.97 ±22.30	238.12 ±13.15	259.82 ±13.46	281.00 ±8.71	293.55 ±15.51	318.33 ±6.97	342.83 ±12.67	281.11 ±40.85
안심	5.34 ±1.02	6.77 ±0.38	7.18 ±0.42	7.68 ±0.49	7.93 ±0.60	8.82 ±0.63	9.28 ±0.56	7.71 ±1.16
등심	26.51 ±4.79	30.59 ±2.06	34.86 ±2.58	35.83 ±2.76	38.21 ±2.05	41.68 ±2.45	43.58 ±3.42	36.53 ±5.48
채끝	7.88 ±1.01	9.26 ±0.76	9.63 ±0.45	11.02 ±0.95	10.41 ±0.81	11.13 ±0.80	12.48 ±1.04	10.33 ±1.39
목심	13.19 ±1.11	16.54 ±2.63	18.30 ±1.90	21.33 ±1.12	22.30 ±2.11	23.56 ±1.60	25.67 ±3.77	20.64 ±4.09
앞다리	18.90 ±2.78	23.29 ±1.99	25.23 ±2.43	26.71 ±1.32	28.97 ±2.36	31.59 ±2.23	33.52 ±1.87	27.49 ±4.51
우둔	17.37 ±3.29	21.38 ±1.35	22.90 ±1.96	23.17 ±1.06	25.09 ±1.58	27.34 ±1.41	29.19 ±1.47	24.23 ±3.45
설도	27.56 ±4.43	33.60 ±1.59	35.45 ±2.33	37.64 ±1.99	39.67 ±2.62	43.36 ±2.47	46.47 ±1.40	38.35 ±5.46
양지	29.38 ±3.00	35.53 ±1.64	38.73 ±2.85	42.69 ±2.83	45.18 ±3.16	47.82 ±2.75	53.66 ±4.73	42.68 ±7.07
사태	11.83 ±2.22	14.19 ±1.22	15.09 ±0.60	16.19 ±0.58	17.20 ±1.27	18.39 ±1.43	19.64 ±1.14	16.39 ±2.42
갈비	42.01 ±5.33	46.96 ±4.98	52.45 ±5.32	58.74 ±6.51	58.60 ±6.82	64.63 ±5.13	69.33 ±10.05	56.76 ±9.95

*평균±표준편차

표 58 육질 1등급 한우 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
거래정육중(대분할)	199.87 ±7.36	219.61 ±14.11	237.46 ±14.72	251.37 ±18.04	270.23 ±13.79	286.42 ±13.07	302.62 ±9.38	339.99 ±8.51	263.22 ±40.02
안심	5.65 ±0.20	6.00 ±0.57	6.45 ±0.78	6.83 ±0.47	7.54 ±0.46	7.88 ±0.53	8.31 ±0.67	9.02 ±0.81	7.22 ±1.14
등심	24.90 ±1.89	28.02 ±2.45	30.30 ±2.84	32.32 ±3.21	34.46 ±3.39	36.44 ±3.13	38.66 ±3.68	43.78 ±2.89	33.57 ±5.78
채끝	7.29 ±0.65	8.11 ±0.61	9.12 ±0.92	9.17 ±0.90	9.90 ±0.75	9.99 ±1.01	10.43 ±0.54	11.98 ±0.84	9.52 ±1.40
목심	13.34 ±2.07	15.21 ±2.37	16.49 ±1.79	18.60 ±2.45	18.98 ±2.74	20.91 ±2.14	21.94 ±3.14	21.89 ±1.85	18.51 ±3.55
앞다리	19.90 ±1.08	21.92 ±1.99	22.31 ±2.45	24.96 ±2.30	26.71 ±2.36	27.93 ±1.57	29.20 ±2.27	34.51 ±2.94	25.81 ±4.42
우둔	18.54 ±0.76	19.81 ±2.06	20.99 ±1.93	21.11 ±1.36	23.91 ±1.78	25.22 ±1.39	26.37 ±2.69	29.79 ±3.18	23.19 ±3.65
설도	28.23 ±1.10	31.00 ±2.84	32.62 ±2.63	34.25 ±1.99	38.00 ±2.88	39.16 ±1.73	42.13 ±3.94	46.22 ±3.26	36.44 ±5.62
양지	29.85 ±1.30	32.24 ±3.22	35.43 ±2.86	38.79 ±4.39	40.15 ±2.12	42.94 ±3.39	44.17 ±2.32	53.38 ±3.28	39.47 ±6.70
사태	13.01 ±0.67	13.45 ±0.90	13.94 ±1.22	15.16 ±1.24	16.21 ±1.27	17.14 ±0.93	18.11 ±1.39	19.40 ±1.32	15.78 ±2.25
갈비	39.18 ±3.17	43.85 ±3.12	49.81 ±4.88	50.20 ±3.20	54.38 ±5.80	58.82 ±5.64	63.30 ±4.51	70.04 ±3.26	53.71 ±9.46

*평균±표준편차

표 59 육질 2등급 한우 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
거래정육중(대분할)	188.29 ±16.88	215.56 ±9.25	231.85 ±12.65	257.14 ±15.00	270.81 ±12.34	289.74 ±16.62	315.19 ±18.93	359.55 ±33.88	256.45 ±49.47
안심	5.60 ±0.59	5.96 ±0.18	6.29 ±0.43	6.92 ±0.49	7.44 ±0.53	7.81 ±0.43	8.60 ±0.49	9.36 ±0.87	7.00 ±1.21
등심	22.97 ±2.16	26.95 ±2.05	29.79 ±3.15	32.97 ±2.76	33.59 ±2.27	35.65 ±2.16	38.56 ±2.40	44.67 ±5.17	32.08 ±6.32
채끝	6.94 ±0.56	8.08 ±0.50	8.37 ±0.54	9.29 ±0.84	9.30 ±0.54	10.52 ±0.52	10.42 ±0.39	12.00 ±1.00	9.09 ±1.48
목심	12.14 ±2.14	14.38 ±1.69	16.42 ±3.03	20.16 ±3.87	20.08 ±2.84	20.08 ±4.36	24.74 ±7.86	30.99 ±9.38	18.87 ±6.47
앞다리	18.67 ±2.23	20.46 ±1.96	22.21 ±2.40	24.53 ±1.78	26.64 ±2.54	27.83 ±2.02	32.58 ±2.98	35.53 ±4.26	24.98 ±5.45
우둔	18.25 ±1.71	19.92 ±1.12	21.37 ±1.17	23.38 ±1.18	24.19 ±2.00	26.91 ±2.74	27.93 ±3.68	31.49 ±3.10	23.38 ±4.20
설도	27.83 ±2.48	30.52 ±2.21	32.79 ±1.69	36.06 ±1.45	37.56 ±2.80	40.44 ±3.69	43.36 ±4.04	49.21 ±4.86	35.97 ±6.51
양지	26.73 ±3.51	31.53 ±2.15	33.00 ±2.63	39.01 ±3.10	41.48 ±3.69	44.64 ±4.32	47.42 ±3.10	56.33 ±5.22	38.33 ±8.82
사태	12.03 ±1.04	12.87 ±0.87	14.41 ±1.06	15.47 ±0.85	16.65 ±1.45	17.79 ±1.45	19.28 ±1.77	21.51 ±2.27	15.70 ±3.00
갈비	37.13 ±5.26	44.90 ±2.27	47.21 ±4.79	49.36 ±6.02	53.88 ±2.98	58.08 ±6.33	62.30 ±6.88	68.46 ±6.08	51.05 ±9.70

*평균±표준편차

표 60 육질 3등급 한우 냉도체의 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
거래정육중 (대분할)	187.50 ±20.82	198.55 ±11.89	224.63 ±14.02	246.33 ±19.69	260.53 ±18.52	297.80 ±25.27	331.71 ±15.75	341.07 ±19.82	377.84 ±19.76	261.12 ±58.36
안심	5.35 ±0.54	5.47 ±0.37	6.10 ±0.36	6.72 ±0.44	7.26 ±0.36	7.65 ±0.63	8.04 ±0.34	8.28 ±0.78	9.38 ±0.59	6.90 ±1.22
등심	23.07 ±3.26	25.18 ±3.07	28.45 ±3.10	31.11 ±4.02	32.19 ±3.22	38.40 ±5.54	42.27 ±3.01	43.07 ±2.02	48.87 ±3.54	33.06 ±8.14
채끝	6.33 ±0.83	6.93 ±0.37	7.87 ±0.67	8.72 ±0.63	9.50 ±0.98	9.66 ±0.81	10.58 ±0.88	10.68 ±1.00	11.28 ±0.23	8.80 ±1.62
목심	15.69 ±5.57	15.46 ±3.05	18.22 ±4.45	20.73 ±5.51	21.01 ±4.78	28.77 ±8.40	35.19 ±3.48	37.34 ±5.42	40.62 ±6.94	23.73 ±9.63
앞다리	19.42 ±2.37	20.24 ±1.79	22.82 ±2.24	24.54 ±2.69	25.26 ±2.39	30.14 ±3.60	33.32 ±2.41	35.70 ±2.72	38.62 ±3.62	26.36 ±6.25
우둔	17.81 ±2.49	19.21 ±1.87	20.89 ±1.43	22.64 ±1.89	24.67 ±2.11	26.38 ±2.70	29.28 ±2.13	29.77 ±2.18	32.01 ±2.43	23.80 ±4.63
설도	26.49 ±3.45	28.01 ±2.22	31.79 ±2.03	34.01 ±2.43	36.27 ±3.99	39.51 ±2.96	45.00 ±2.49	46.33 ±3.30	49.67 ±3.29	35.86 ±7.34
양지	26.99 ±3.27	29.18 ±2.10	31.75 ±2.41	36.32 ±3.13	39.20 ±3.89	44.43 ±2.90	47.62 ±4.01	50.66 ±5.34	57.42 ±5.03	38.41 ±9.23
사태	12.61 ±1.07	12.97 ±1.16	14.16 ±1.06	15.16 ±1.56	16.22 ±1.17	17.72 ±1.39	19.81 ±0.94	20.43 ±1.72	21.57 ±1.85	16.06 ±3.04
갈비	33.75 ±2.52	35.89 ±3.03	42.57 ±3.08	46.39 ±4.21	48.95 ±4.35	55.15 ±3.18	60.61 ±2.52	58.81 ±2.66	68.41 ±4.51	48.13 ±10.35

*평균±표준편차

표 61 육량 A등급 한우 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
거래정육중(대분할)	248.79 ±15.74	256.40 ±11.40	290.74 ±13.20	314.06 ±20.00	341.82 ±19.49	370.73 ±25.63	407.91 ±19.69	421.85 ±15.67	459.65 ±21.82	340.41 ±57.89
안심	6.96 ±0.28	7.04 ±0.50	8.15 ±0.71	8.56 ±0.84	9.03 ±0.86	9.94 ±0.64	10.41 ±0.47	10.88 ±0.70	11.43 ±0.54	9.07 ±1.55
등심	27.76 ±2.73	29.21 ±1.36	33.67 ±2.78	36.75 ±2.87	39.18 ±2.82	43.47 ±4.85	46.18 ±2.55	48.97 ±3.59	53.17 ±3.72	39.28 ±8.26
채끝	8.69 ±1.15	8.53 ±0.60	9.81 ±1.22	10.23 ±1.32	11.04 ±1.33	11.48 ±1.24	12.62 ±1.38	13.06 ±2.03	13.37 ±0.73	10.86 ±1.99
목심	15.07 ±5.08	15.82 ±2.30	19.25 ±3.94	23.22 ±4.88	25.30 ±3.99	29.90 ±7.14	33.90 ±6.57	35.73 ±7.32	41.10 ±6.24	25.91 ±9.58
앞다리	23.53 ±2.03	24.77 ±1.36	28.11 ±2.01	30.06 ±2.18	32.33 ±2.43	35.63 ±2.78	38.11 ±2.13	41.59 ±2.77	44.15 ±2.83	32.63 ±6.70
우둔	21.99 ±1.37	22.58 ±2.07	24.07 ±1.73	26.38 ±1.30	27.26 ±1.95	30.13 ±2.24	33.71 ±1.61	34.58 ±1.44	37.02 ±1.48	28.18 ±5.15
설도	32.75 ±1.80	34.33 ±2.01	37.48 ±2.74	39.96 ±1.63	42.67 ±2.69	46.09 ±3.05	51.57 ±2.52	53.72 ±2.82	56.85 ±2.41	43.26 ±7.97
양지	57.45 ±6.10	58.14 ±5.82	66.55 ±7.95	71.03 ±9.01	81.33 ±8.28	84.94 ±9.06	93.24 ±8.20	93.97 ±8.74	104.08 ±9.81	77.75 ±16.72
사태	14.91 ±0.99	15.49 ±1.12	16.37 ±1.23	18.22 ±1.37	18.93 ±1.03	20.81 ±1.12	23.41 ±0.84	24.48 ±1.40	25.55 ±1.89	19.46 ±3.72
갈비	39.68 ±2.65	40.49 ±1.77	47.28 ±3.72	49.65 ±4.19	54.75 ±2.53	58.34 ±2.74	64.76 ±2.65	64.87 ±5.27	72.93 ±3.21	54.01 ±10.60

*평균±표준편차

표 62 육량 B등급 한우 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
거래정육중 (대분할)	175.35 ±15.46	195.28 ±6.34	216.67 ±9.57	237.26 ±12.79	255.66 ±13.42	280.53 ±11.56	294.42 ±14.13	318.00 ±9.49	352.60 ±23.40	262.05 ±50.76
안심	4.97 ±0.26	5.74 ±0.42	6.04 ±0.32	6.65 ±0.45	7.13 ±0.47	7.58 ±0.49	7.87 ±0.57	8.60 ±0.82	9.30 ±0.57	7.18 ±1.26
등심	21.51 ±2.24	23.46 ±2.24	26.15 ±1.40	30.33 ±2.32	32.43 ±2.75	35.88 ±2.19	37.96 ±3.06	40.68 ±2.57	44.16 ±4.41	33.12 ±7.10
채끝	5.95 ±0.60	7.30 ±0.20	8.03 ±0.76	8.82 ±0.82	9.47 ±0.52	10.22 ±1.05	10.48 ±0.78	11.00 ±0.90	13.07 ±1.33	9.52 ±1.94
목심	13.79 ±4.41	13.12 ±1.70	14.63 ±1.86	16.97 ±3.16	18.54 ±1.28	20.88 ±3.23	21.63 ±1.94	24.96 ±3.77	25.75 ±4.88	19.14 ±4.94
앞다리	18.21 ±2.16	18.95 ±1.08	20.65 ±1.53	23.21 ±1.92	25.31 ±1.54	27.80 ±2.36	28.80 ±2.06	32.86 ±2.67	34.78 ±3.91	25.88 ±5.43
우둔	16.65 ±2.01	18.54 ±1.12	20.24 ±1.16	21.55 ±1.18	23.34 ±2.24	24.39 ±1.76	25.33 ±1.45	27.75 ±1.92	30.17 ±3.00	23.31 ±3.97
설도	24.88 ±2.55	28.03 ±1.10	31.06 ±2.24	33.48 ±1.06	36.24 ±1.96	38.32 ±2.21	39.46 ±2.10	44.20 ±3.00	47.52 ±3.84	36.28 ±6.46
양지	24.72 ±3.55	29.30 ±1.41	31.17 ±2.12	34.80 ±2.57	37.14 ±3.52	42.46 ±3.13	45.37 ±3.70	46.73 ±3.49	55.91 ±5.11	39.30 ±8.93
사태	11.87 ±0.95	12.50 ±0.83	13.23 ±0.99	14.19 ±0.84	15.98 ±1.17	16.99 ±1.33	17.45 ±0.96	19.21 ±1.63	20.64 ±1.92	15.90 ±2.84
갈비	32.79 ±2.30	38.32 ±5.34	45.48 ±2.44	47.24 ±5.20	50.09 ±4.37	56.01 ±6.01	60.06 ±5.70	62.02 ±2.52	71.32 ±3.93	52.42 ±11.20

*평균±표준편차

표 63 육량 C등급 한우 대분할 10개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
거래정육중 (대분할)	205.38 ±11.32	234.39 ±14.59	254.34 ±14.69	264.75 ±11.72	288.59 ±13.97	305.77 ±9.82	334.45 ±17.30	342.38 ±24.32	271.42 ±38.52
안심	5.42 ±0.46	6.43 ±0.65	6.98 ±0.38	7.33 ±0.50	7.87 ±0.44	8.43 ±0.61	9.03 ±0.63	9.04 ±1.10	7.42 ±1.11
등심	26.58 ±3.26	29.39 ±2.59	32.67 ±2.91	33.00 ±3.15	37.15 ±2.81	38.70 ±2.99	43.21 ±3.64	42.09 ±2.17	34.46 ±5.45
채끝	7.47 ±0.74	9.04 ±0.80	9.50 ±0.84	9.60 ±0.75	10.42 ±1.08	10.65 ±0.85	12.41 ±0.93	12.29 ±1.13	9.94 ±1.45
목심	15.05 ±3.52	16.04 ±1.84	17.86 ±1.53	18.84 ±3.06	21.04 ±2.78	22.02 ±2.46	23.70 ±4.43	23.46 ±2.36	19.27 ±3.73
앞다리	19.52 ±1.98	21.83 ±1.96	23.86 ±1.71	25.47 ±1.70	27.60 ±1.65	30.03 ±2.15	32.48 ±2.82	33.87 ±4.49	25.97 ±4.35
우둔	17.77 ±2.01	21.08 ±1.81	22.85 ±2.20	23.23 ±1.59	24.97 ±1.80	26.10 ±1.85	28.26 ±1.61	30.13 ±3.90	23.74 ±3.38
설도	26.98 ±2.50	32.27 ±2.31	34.96 ±2.11	36.68 ±2.36	39.23 ±2.46	41.45 ±2.60	45.44 ±2.57	46.19 ±5.02	37.05 ±5.43
양지	30.67 ±2.41	34.71 ±2.97	39.12 ±2.98	39.96 ±2.29	43.79 ±3.36	46.49 ±3.40	52.82 ±2.89	55.01 ±5.59	41.30 ±6.89
사태	12.21 ±1.70	14.01 ±1.17	15.04 ±1.08	15.68 ±0.77	16.79 ±1.14	17.87 ±0.98	18.99 ±0.97	20.31 ±2.46	15.95 ±2.25
갈비	43.71 ±3.72	49.58 ±5.11	51.50 ±6.31	54.96 ±4.15	59.72 ±7.66	64.03 ±6.44	68.13 ±9.26	70.00 ±5.29	56.31 ±9.31

*평균±표준편차

표 64 도체등급에 따른 한우 대분할 10개 부위 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
거래정육중 (대분할)	308.09 ±31.11	281.11 ±40.85	263.22 ±40.02	256.45 ±49.47	261.12 ±58.36	269.14 ±57.89	262.05 ±50.76	271.42 ±38.52
안심	8.29 ±0.79	7.71 ±1.16	7.22 ±1.14	7.00 ±1.21	6.90 ±1.22	7.13 ±1.30	7.18 ±1.26	7.42 ±1.11
등심	39.85 ±3.92	36.53 ±5.48	33.57 ±5.78	32.08 ±6.32	33.06 ±8.14	34.68 ±7.79	33.12 ±7.10	34.46 ±5.45
채끝	11.96 ±1.67	10.33 ±1.39	9.52 ±1.40	9.09 ±1.48	8.80 ±1.62	9.13 ±1.65	9.52 ±1.94	9.94 ±1.45
목심	22.81 ±3.20	20.64 ±4.09	18.51 ±3.55	18.87 ±6.47	23.73 ±9.63	24.11 ±9.54	19.14 ±4.94	19.27 ±3.73
앞다리	29.52 ±4.32	27.49 ±4.51	25.81 ±4.42	24.98 ±5.45	26.36 ±6.25	27.27 ±6.13	25.88 ±5.43	25.97 ±4.35
우둔	25.64 ±2.72	24.23 ±3.45	23.19 ±3.65	23.38 ±4.20	23.80 ±4.63	24.28 ±4.63	23.31 ±3.97	23.74 ±3.38
설도	40.99 ±4.79	38.35 ±5.46	36.44 ±5.62	35.97 ±6.51	35.86 ±7.34	37.22 ±7.31	36.28 ±6.46	37.05 ±5.43
양지	47.59 ±6.01	42.68 ±7.07	39.47 ±6.70	38.33 ±8.82	38.41 ±9.23	39.55 ±9.16	39.30 ±8.93	41.30 ±6.89
사태	17.62 ±2.30	16.39 ±2.42	15.78 ±2.25	15.70 ±3.00	16.06 ±3.04	16.42 ±3.07	15.90 ±2.84	15.95 ±2.25
갈비	63.83 ±7.48	56.76 ±9.95	53.71 ±9.46	51.05 ±9.70	48.13 ±10.35	49.35 ±10.16	52.42 ±11.20	56.31 ±9.31

*평균±표준편차

표 65 도체등급에 따른 한우 암소의 대분할 10개 부위 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
거래정육중 (대분할)	289.06 ±28.59	240.07 ±28.79	245.81 ±33.87	236.81 ±39.06	222.24 ±28.29	217.74 ±24.67	230.19 ±37.63	250.89 ±32.38
안심	7.57 ±0.66	6.74 ±0.96	6.81 ±0.91	6.60 ±0.99	6.36 ±0.77	6.30 ±0.73	6.51 ±0.98	6.87 ±0.90
등심	36.90 ±4.23	31.00 ±4.08	31.23 ±4.65	29.48 ±4.83	27.05 ±3.77	27.67 ±4.01	28.55 ±5.23	31.33 ±4.13
채끝	12.01 ±1.74	9.51 ±1.29	9.35 ±1.35	8.73 ±1.27	8.32 ±1.29	8.12 ±0.95	8.63 ±1.61	9.57 ±1.19
목심	20.18 ±3.52	16.43 ±3.14	16.78 ±2.83	16.09 ±3.47	15.22 ±2.49	15.11 ±2.75	15.80 ±3.36	16.93 ±2.92
앞다리	25.74 ±2.70	22.67 ±2.94	23.22 ±3.54	22.48 ±3.83	21.62 ±2.66	21.29 ±2.27	22.34 ±3.82	23.23 ±3.30
우둔	24.26 ±3.09	21.15 ±2.65	22.20 ±3.45	22.04 ±3.56	21.45 ±2.79	20.97 ±2.22	21.62 ±3.53	22.51 ±3.27
설도	37.16 ±4.71	33.49 ±4.02	34.39 ±5.17	33.69 ±5.34	31.86 ±4.00	31.51 ±3.59	33.06 ±5.25	34.61 ±4.77
양지	43.09 ±3.84	36.05 ±4.57	36.39 ±5.04	34.91 ±6.98	32.67 ±5.01	31.73 ±4.26	33.61 ±6.04	37.69 ±5.55
사태	15.79 ±2.68	13.88 ±1.82	14.67 ±2.06	14.51 ±2.44	14.00 ±1.69	13.65 ±1.40	14.19 ±2.20	14.85 ±2.22
갈비	66.36 ±8.47	49.14 ±8.42	50.78 ±9.23	48.28 ±9.38	43.69 ±7.26	41.38 ±5.32	45.88 ±8.26	53.31 ±9.10

*평균±표준편차

표 66 도체등급에 따른 한우 수소의 대분할 10개 부위 생산량(단위: kg)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
거래정육중 (대분할)	294.48 ±57.22	287.28 ±58.95	295.80 ±52.79	260.88 ±78.35	207.54 ±4.45
안심	7.42 ±1.40	7.27 ±1.34	7.48 ±1.21	6.54 ±1.71	5.27 ±0.09
등심	38.11 ±6.63	37.11 ±7.80	38.29 ±6.75	32.95 ±10.70	28.01 ±0.37
채끝	9.47 ±1.81	9.13 ±1.74	9.42 ±1.51	8.30 ±2.57	6.59 ±0.35
목심	27.92 ±9.10	29.46 ±8.30	30.20 ±8.23	25.20 ±8.05	19.56 ±1.47
앞다리	29.40 ±5.10	29.56 ±5.94	30.23 ±5.42	26.95 ±6.93	21.74 ±0.96
우둔	26.35 ±4.97	25.37 ±4.96	26.25 ±4.36	22.96 ±6.42	17.19 ±2.35
설도	40.59 ±7.55	38.55 ±7.87	39.97 ±6.77	35.10 ±10.90	25.63 ±2.71
양지	43.98 ±11.01	42.27 ±9.44	43.49 ±8.93	39.40 ±13.05	30.75 ±0.30
사태	17.70 ±3.37	17.44 ±2.97	17.83 ±2.69	16.40 ±4.21	12.79 ±0.46
갈비	53.55 ±9.05	51.11 ±11.08	52.63 ±9.88	47.08 ±15.07	40.03 ±0.30

*평균±표준편차

표 67 도체등급에 따른 한우 거세우의 대분할 10개 부위 생산량(단위: kg)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
거래정육중 (대분할)	311.10 ±31.12	295.43 ±34.30	271.67 ±39.18	291.31 ±40.31	266.65 ±57.07	292.81 ±36.29	292.60 ±29.82
안심	8.40 ±0.76	8.05 ±1.03	7.43 ±1.19	7.95 ±1.17	7.31 ±1.63	7.92 ±1.00	8.01 ±0.95
등심	40.32 ±3.78	38.46 ±4.53	34.60 ±5.65	36.00 ±5.63	34.38 ±7.93	37.52 ±5.00	37.51 ±4.39
채끝	11.95 ±1.70	10.62 ±1.32	9.59 ±1.44	9.96 ±1.54	9.68 ±2.16	10.58 ±1.57	10.41 ±1.45
목심	23.23 ±3.04	22.11 ±3.31	19.52 ±3.59	21.35 ±5.17	19.95 ±6.49	21.35 ±3.19	21.57 ±3.06
앞다리	30.11 ±4.27	29.17 ±3.68	27.10 ±4.03	29.71 ±5.15	27.35 ±5.78	29.10 ±4.38	28.62 ±3.29
우둔	25.86 ±2.68	25.30 ±3.04	23.68 ±3.66	25.50 ±3.83	23.47 ±5.08	25.00 ±3.19	25.12 ±2.75
설도	41.59 ±4.63	40.04 ±4.87	37.42 ±5.48	39.90 ±5.88	37.49 ±8.21	39.56 ±4.95	39.70 ±4.28
양지	48.30 ±6.04	44.99 ±6.31	40.99 ±6.79	45.06 ±6.71	39.49 ±8.01	44.75 ±7.03	45.02 ±5.79
사태	17.91 ±2.17	17.26 ±1.94	16.36 ±2.11	18.01 ±2.31	16.34 ±3.22	17.45 ±2.16	17.10 ±1.58
갈비	63.43 ±7.49	59.42 ±9.10	54.98 ±8.93	57.85 ±7.49	51.19 ±10.38	59.56 ±8.48	59.53 ±7.84

*평균±표준편차

3) 절식체중 대비 대분할 부분육 생산율

표 68 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중 (kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중 (kg)	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
거래정육중 (대분할, kg)	179.50 ±19.18	187.37 ±18.19	198.50 ±9.86	220.81 ±12.82	239.46 ±16.69	257.82 ±16.03	278.05 ±19.70	297.96 ±20.23	319.01 ±18.96	350.76 ±26.12	353.64 ±23.34	267.86 ±49.40
안심	1.13 ±0.13	1.13 ±0.08	1.09 ±0.09	1.08 ±0.07	1.07 ±0.08	1.07 ±0.06	1.06 ±0.08	1.04 ±0.06	1.06 ±0.08	1.07 ±0.06	1.01 ±0.09	1.07 ±0.08
등심	4.92 ±0.75	4.95 ±0.51	4.86 ±0.48	4.97 ±0.45	4.98 ±0.54	5.01 ±0.42	4.99 ±0.56	5.00 ±0.40	5.07 ±0.47	5.27 ±0.48	4.78 ±0.28	5.00 ±0.48
채끝	1.28 ±0.17	1.47 ±0.17	1.40 ±0.08	1.42 ±0.10	1.44 ±0.11	1.43 ±0.12	1.39 ±0.13	1.37 ±0.12	1.35 ±0.12	1.42 ±0.14	1.38 ±0.14	1.40 ±0.12
목심	3.62 ±1.11	2.74 ±0.91	2.80 ±0.51	2.87 ±0.65	2.92 ±0.68	3.00 ±0.57	3.08 ±0.85	3.05 ±0.66	3.26 ±0.92	3.58 ±1.11	2.76 ±0.39	3.04 ±0.76
앞다리	4.35 ±0.55	3.95 ±0.37	3.87 ±0.37	3.88 ±0.40	3.78 ±0.42	3.80 ±0.32	3.87 ±0.42	3.79 ±0.31	4.02 ±0.44	4.04 ±0.48	3.88 ±0.34	3.87 ±0.40
우둔	3.81 ±0.79	3.85 ±0.25	3.63 ±0.39	3.62 ±0.27	3.54 ±0.28	3.51 ±0.31	3.44 ±0.33	3.38 ±0.28	3.45 ±0.35	3.49 ±0.31	3.35 ±0.34	3.51 ±0.33
설도	5.73 ±1.08	5.73 ±0.39	5.49 ±0.45	5.55 ±0.40	5.43 ±0.36	5.39 ±0.39	5.37 ±0.40	5.28 ±0.36	5.44 ±0.46	5.51 ±0.39	5.24 ±0.37	5.42 ±0.41
양지	5.85 ±1.02	5.70 ±0.56	5.70 ±0.32	5.65 ±0.37	5.72 ±0.44	5.92 ±0.48	5.89 ±0.48	5.90 ±0.45	5.93 ±0.52	6.33 ±0.47	6.12 ±0.45	5.86 ±0.48
사태	2.81 ±0.32	2.60 ±0.17	2.47 ±0.25	2.41 ±0.19	2.36 ±0.22	2.36 ±0.17	2.35 ±0.19	2.30 ±0.17	2.36 ±0.22	2.33 ±0.19	2.30 ±0.16	2.37 ±0.21
갈비	7.19 ±0.58	7.50 ±0.36	7.49 ±0.88	7.75 ±0.51	7.76 ±0.76	7.65 ±0.73	7.77 ±0.66	7.80 ±0.82	7.74 ±0.60	7.93 ±0.76	7.85 ±0.49	7.74 ±0.70

*평균±표준편차

표 69 한우 암소 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중 (kg)	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
거래정육중 (대분할, kg)	180.21 ±13.99	195.33 ±9.33	217.22 ±10.55	231.05 ±11.21	251.96 ±15.71	265.96 ±9.52	287.63 ±10.60	332.25 ±24.11	236.33 ±35.43
안심	1.14 ±0.08	1.11 ±0.11	1.08 ±0.06	1.05 ±0.07	1.08 ±0.06	1.07 ±0.08	1.00 ±0.05	1.00 ±0.05	1.07 ±0.08
등심	4.80 ±0.40	4.67 ±0.45	4.82 ±0.37	4.76 ±0.37	4.80 ±0.35	4.77 ±0.42	4.62 ±0.21	4.58 ±0.20	4.76 ±0.37
채끝	1.48 ±0.17	1.43 ±0.08	1.43 ±0.11	1.45 ±0.11	1.44 ±0.12	1.42 ±0.13	1.40 ±0.09	1.37 ±0.19	1.44 ±0.12
목심	2.53 ±0.26	2.63 ±0.36	2.60 ±0.32	2.56 ±0.29	2.72 ±0.19	2.56 ±0.45	2.51 ±0.37	2.69 ±0.09	2.60 ±0.31
앞다리	3.83 ±0.25	3.72 ±0.35	3.69 ±0.26	3.57 ±0.28	3.62 ±0.22	3.58 ±0.25	3.53 ±0.18	3.59 ±0.26	3.63 ±0.27
우둔	3.82 ±0.23	3.65 ±0.34	3.61 ±0.25	3.46 ±0.24	3.57 ±0.30	3.42 ±0.25	3.30 ±0.27	3.47 ±0.43	3.53 ±0.29
설도	5.73 ±0.40	5.51 ±0.43	5.53 ±0.42	5.31 ±0.29	5.37 ±0.43	5.34 ±0.29	5.08 ±0.33	5.31 ±0.50	5.39 ±0.39
양지	5.54 ±0.58	5.63 ±0.34	5.56 ±0.32	5.57 ±0.36	5.75 ±0.40	5.62 ±0.37	5.67 ±0.40	5.55 ±0.51	5.62 ±0.38
사태	2.59 ±0.17	2.37 ±0.24	2.37 ±0.18	2.25 ±0.14	2.33 ±0.18	2.25 ±0.15	2.22 ±0.14	2.33 ±0.16	2.32 ±0.19
갈비	7.49 ±0.38	7.61 ±1.11	7.85 ±0.52	7.67 ±0.76	7.66 ±0.94	7.58 ±0.73	8.27 ±1.17	7.93 ±0.74	7.72 ±0.82

*평균±표준편차

표 70 한우 수소 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중 (kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중 (kg)	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
거래정육중 (대분할, kg)	202.46 ±18.20	235.56 ±10.18	257.58 ±16.82	274.83 ±9.95	303.30 ±19.94	330.47 ±15.00	342.07 ±16.49	373.95 ±23.18	290.02 ±57.82
안심	1.10 ±0.08	1.11 ±0.05	1.08 ±0.06	1.10 ±0.07	1.10 ±0.09	1.02 ±0.07	1.04 ±0.08	1.06 ±0.07	1.08 ±0.07
등심	5.41 ±0.37	5.51 ±0.39	5.62 ±0.65	5.48 ±0.31	5.63 ±0.60	5.29 ±0.39	5.52 ±0.34	5.54 ±0.44	5.51 ±0.46
채끝	1.34 ±0.07	1.40 ±0.07	1.36 ±0.09	1.41 ±0.15	1.36 ±0.12	1.35 ±0.14	1.34 ±0.11	1.29 ±0.05	1.35 ±0.10
목심	3.87 ±0.81	3.98 ±0.52	4.00 ±0.69	4.14 ±0.22	4.48 ±0.71	4.32 ±0.44	4.81 ±0.61	4.36 ±1.11	4.24 ±0.73
앞다리	4.46 ±0.33	4.48 ±0.26	4.35 ±0.37	4.26 ±0.09	4.39 ±0.42	4.17 ±0.37	4.51 ±0.32	4.34 ±0.42	4.37 ±0.35
우둔	3.87 ±0.53	3.84 ±0.21	3.79 ±0.29	3.71 ±0.22	3.77 ±0.43	3.74 ±0.34	3.83 ±0.23	3.62 ±0.31	3.77 ±0.34
설도	5.69 ±0.66	5.81 ±0.27	5.74 ±0.39	5.72 ±0.34	5.68 ±0.41	5.71 ±0.42	5.82 ±0.35	5.68 ±0.34	5.73 ±0.40
양지	6.08 ±0.45	6.04 ±0.24	6.10 ±0.51	6.38 ±0.44	6.39 ±0.42	6.07 ±0.53	6.39 ±0.60	6.56 ±0.50	6.25 ±0.49
사태	2.80 ±0.22	2.64 ±0.08	2.63 ±0.19	2.54 ±0.12	2.55 ±0.18	2.51 ±0.17	2.59 ±0.18	2.44 ±0.21	2.59 ±0.20
갈비	7.35 ±0.44	7.50 ±0.56	7.49 ±0.40	7.54 ±0.25	7.88 ±0.44	7.62 ±0.53	7.34 ±0.38	7.85 ±0.58	7.58 ±0.48

*평균±표준편차

표 71 한우 거세우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중 (kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중 (kg)	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
거래정육중 (대분할, kg)	205.05 ±15.39	248.96 ±11.69	259.52 ±11.75	275.41 ±15.10	292.91 ±15.00	312.64 ±14.35	337.72 ±20.28	352.45 ±12.14	288.46 ±38.79
안심	1.04 ±0.06	1.11 ±0.12	1.04 ±0.06	1.05 ±0.07	1.05 ±0.06	1.07 ±0.08	1.08 ±0.07	1.03 ±0.11	1.06 ±0.08
등심	4.87 ±0.37	5.04 ±0.30	5.17 ±0.31	4.87 ±0.44	5.05 ±0.37	4.97 ±0.41	5.07 ±0.40	4.77 ±0.29	4.98 ±0.39
채끝	1.37 ±0.04	1.47 ±0.11	1.41 ±0.11	1.38 ±0.14	1.37 ±0.13	1.36 ±0.13	1.50 ±0.13	1.38 ±0.12	1.40 ±0.13
목심	2.51 ±0.23	3.00 ±0.19	2.87 ±0.29	2.85 ±0.32	2.90 ±0.26	2.84 ±0.34	3.01 ±0.61	2.62 ±0.20	2.85 ±0.34
앞다리	3.95 ±0.24	3.90 ±0.22	3.91 ±0.25	3.83 ±0.30	3.77 ±0.23	3.89 ±0.37	3.80 ±0.37	4.06 ±0.25	3.85 ±0.29
우둔	3.42 ±0.31	3.51 ±0.26	3.26 ±0.21	3.31 ±0.24	3.32 ±0.18	3.36 ±0.30	3.38 ±0.26	3.23 ±0.30	3.35 ±0.25
설도	5.39 ±0.32	5.48 ±0.36	5.23 ±0.21	5.25 ±0.41	5.23 ±0.26	5.34 ±0.44	5.36 ±0.36	5.12 ±0.27	5.30 ±0.35
양지	5.66 ±0.37	5.84 ±0.35	6.00 ±0.50	5.86 ±0.41	5.93 ±0.43	5.83 ±0.39	6.18 ±0.36	6.26 ±0.37	5.92 ±0.42
사태	2.44 ±0.17	2.44 ±0.22	2.31 ±0.11	2.32 ±0.17	2.27 ±0.13	2.30 ±0.20	2.26 ±0.14	2.26 ±0.16	2.31 ±0.17
갈비	7.51 ±0.20	8.39 ±0.80	7.72 ±0.32	7.85 ±0.70	7.70 ±0.71	7.82 ±0.59	7.92 ±0.90	8.09 ±0.34	7.83 ±0.67

*평균±표준편차

4) 냉도체중 대비 대분할 부분육 생산율

표 72 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중 (kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중 (kg)	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
거래정육중 (대분할, kg)	179.50 ±19.18	187.37 ±18.19	198.50 ±9.86	220.81 ±12.82	239.46 ±16.69	257.82 ±16.03	278.05 ±19.70	297.96 ±20.23	319.01 ±18.96	350.76 ±26.12	353.64 ±23.34	267.86 ±49.40
안심	1.89 ±0.23	1.90 ±0.19	1.84 ±0.17	1.79 ±0.12	1.76 ±0.14	1.75 ±0.11	1.74 ±0.12	1.67 ±0.10	1.71 ±0.15	1.70 ±0.11	1.65 ±0.15	1.75 ±0.14
등심	8.20 ±1.12	8.29 ±0.74	8.19 ±0.93	8.26 ±0.72	8.22 ±0.91	8.19 ±0.61	8.16 ±0.88	8.05 ±0.72	8.14 ±0.84	8.34 ±0.85	7.76 ±0.46	8.18 ±0.80
채끝	2.14 ±0.29	2.47 ±0.22	2.35 ±0.15	2.37 ±0.16	2.37 ±0.16	2.33 ±0.17	2.27 ±0.20	2.21 ±0.18	2.17 ±0.19	2.24 ±0.18	2.24 ±0.22	2.29 ±0.19
목심	6.01 ±1.71	4.58 ±1.48	4.71 ±0.91	4.78 ±1.08	4.81 ±1.11	4.90 ±0.91	5.03 ±1.32	4.92 ±1.18	5.24 ±1.50	5.67 ±1.80	4.49 ±0.62	4.96 ±1.24
앞다리	7.25 ±0.82	6.63 ±0.61	6.52 ±0.71	6.46 ±0.69	6.24 ±0.70	6.22 ±0.52	6.32 ±0.64	6.10 ±0.56	6.45 ±0.74	6.40 ±0.82	6.31 ±0.57	6.33 ±0.68
우둔	6.35 ±1.31	6.46 ±0.42	6.13 ±0.75	6.02 ±0.52	5.84 ±0.51	5.75 ±0.52	5.62 ±0.56	5.45 ±0.51	5.55 ±0.65	5.52 ±0.53	5.46 ±0.67	5.74 ±0.61
설도	9.56 ±1.86	9.61 ±0.71	9.25 ±0.87	9.24 ±0.79	8.96 ±0.66	8.82 ±0.64	8.78 ±0.69	8.50 ±0.67	8.74 ±0.88	8.71 ±0.71	8.52 ±0.79	8.87 ±0.78
양지	9.74 ±1.58	9.54 ±0.72	9.61 ±0.72	9.39 ±0.56	9.44 ±0.66	9.68 ±0.66	9.64 ±0.78	9.48 ±0.73	9.51 ±0.80	10.01 ±0.72	9.94 ±0.65	9.58 ±0.72
사태	4.68 ±0.59	4.36 ±0.33	4.17 ±0.48	4.02 ±0.36	3.90 ±0.35	3.86 ±0.29	3.84 ±0.33	3.70 ±0.31	3.79 ±0.40	3.69 ±0.35	3.74 ±0.33	3.88 ±0.40
갈비	11.98 ±1.00	12.57 ±0.43	12.59 ±1.22	12.88 ±0.83	12.79 ±1.05	12.51 ±1.13	12.71 ±1.10	12.54 ±1.23	12.42 ±0.94	12.54 ±1.15	12.75 ±0.87	12.64 ±1.06

*평균±표준편차

표 73 한우 암소 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간 (kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중 (kg)	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
거래정육중 (대분할, kg)	180.21 ±13.99	195.33 ±9.33	217.22 ±10.55	231.05 ±11.21	251.96 ±15.71	265.96 ±9.52	287.63 ±10.60	332.25 ±24.11	236.33 ±35.43
안심	1.92 ±0.20	1.88 ±0.21	1.80 ±0.12	1.75 ±0.13	1.77 ±0.11	1.78 ±0.11	1.62 ±0.09	1.65 ±0.10	1.78 ±0.15
등심	8.08 ±0.54	7.86 ±0.83	8.02 ±0.60	7.92 ±0.60	7.91 ±0.50	7.94 ±0.67	7.46 ±0.46	7.57 ±0.50	7.90 ±0.61
채끝	2.49 ±0.22	2.40 ±0.17	2.38 ±0.18	2.42 ±0.13	2.37 ±0.15	2.36 ±0.18	2.25 ±0.17	2.27 ±0.34	2.38 ±0.17
목심	4.25 ±0.40	4.41 ±0.60	4.33 ±0.55	4.25 ±0.49	4.47 ±0.30	4.25 ±0.69	4.05 ±0.63	4.45 ±0.19	4.31 ±0.51
앞다리	6.45 ±0.45	6.27 ±0.67	6.15 ±0.53	5.94 ±0.49	5.97 ±0.42	5.96 ±0.37	5.69 ±0.36	5.93 ±0.53	6.03 ±0.51
우둔	6.44 ±0.42	6.15 ±0.73	6.01 ±0.51	5.77 ±0.45	5.88 ±0.52	5.70 ±0.43	5.32 ±0.47	5.75 ±0.87	5.87 ±0.56
설도	9.65 ±0.77	9.28 ±0.89	9.20 ±0.87	8.85 ±0.57	8.84 ±0.71	8.90 ±0.49	8.20 ±0.64	8.80 ±1.06	8.96 ±0.77
양지	9.31 ±0.76	9.49 ±0.81	9.24 ±0.44	9.27 ±0.52	9.47 ±0.57	9.36 ±0.55	9.13 ±0.65	9.19 ±1.02	9.32 ±0.60
사태	4.37 ±0.34	3.99 ±0.47	3.94 ±0.36	3.75 ±0.23	3.83 ±0.31	3.74 ±0.25	3.58 ±0.24	3.86 ±0.35	3.85 ±0.35
갈비	12.61 ±0.50	12.75 ±1.51	13.05 ±0.89	12.75 ±1.09	12.60 ±1.41	12.63 ±1.23	13.33 ±1.93	13.11 ±1.28	12.81 ±1.23

*평균±표준편차

표 74 한우 수소 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중 (kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중 (kg)	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
거래정육중 (대분할, kg)	202.46 ±18.20	235.56 ±10.18	257.58 ±16.82	274.83 ±9.95	303.30 ±19.94	330.47 ±15.00	342.07 ±16.49	373.95 ±23.18	290.02 ±57.82
안심	1.86 ±0.10	1.84 ±0.07	1.80 ±0.10	1.79 ±0.08	1.78 ±0.11	1.71 ±0.07	1.68 ±0.14	1.70 ±0.10	1.77 ±0.11
등심	9.19 ±0.48	9.14 ±0.61	9.34 ±1.15	8.93 ±0.35	9.12 ±0.92	8.83 ±0.59	8.97 ±0.49	8.88 ±0.68	9.07 ±0.73
채끝	2.29 ±0.11	2.33 ±0.11	2.26 ±0.16	2.29 ±0.18	2.20 ±0.15	2.24 ±0.17	2.18 ±0.17	2.07 ±0.08	2.23 ±0.16
목심	6.56 ±1.21	6.61 ±0.85	6.62 ±1.08	6.74 ±0.25	7.25 ±1.03	7.22 ±0.92	7.80 ±0.88	6.99 ±1.74	6.96 ±1.12
앞다리	7.57 ±0.41	7.44 ±0.29	7.22 ±0.61	6.93 ±0.10	7.11 ±0.58	6.96 ±0.49	7.33 ±0.40	6.96 ±0.61	7.19 ±0.52
우둔	6.57 ±0.80	6.37 ±0.36	6.29 ±0.50	6.04 ±0.22	6.10 ±0.61	6.23 ±0.38	6.23 ±0.51	5.80 ±0.47	6.21 ±0.55
설도	9.66 ±1.00	9.63 ±0.50	9.53 ±0.71	9.31 ±0.32	9.20 ±0.56	9.51 ±0.42	9.46 ±0.61	9.12 ±0.56	9.42 ±0.63
양지	10.31 ±0.52	10.03 ±0.51	10.12 ±0.72	10.39 ±0.51	10.35 ±0.54	10.12 ±0.77	10.37 ±0.87	10.52 ±0.68	10.28 ±0.64
사태	4.75 ±0.35	4.38 ±0.20	4.37 ±0.30	4.14 ±0.11	4.13 ±0.25	4.19 ±0.15	4.20 ±0.29	3.92 ±0.33	4.27 ±0.35
갈비	12.50 ±0.66	12.42 ±0.70	12.44 ±0.60	12.30 ±0.74	12.78 ±0.83	12.70 ±0.59	11.92 ±0.57	12.59 ±0.93	12.48 ±0.72

*평균±표준편차

표 75 한우 거세우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중 (kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중 (kg)	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
거래정육중 (대분할, kg)	205.05 ±15.39	248.96 ±11.69	259.52 ±11.75	275.41 ±15.10	292.91 ±15.00	312.64 ±14.35	337.72 ±20.28	352.45 ±12.14	288.46 ±38.79
안심	1.73 ±0.08	1.77 ±0.19	1.68 ±0.10	1.70 ±0.13	1.67 ±0.10	1.71 ±0.16	1.69 ±0.12	1.65 ±0.19	1.70 ±0.13
등심	8.07 ±0.62	8.03 ±0.51	8.34 ±0.52	7.91 ±0.72	8.04 ±0.63	7.95 ±0.76	7.94 ±0.69	7.67 ±0.47	7.99 ±0.65
채끝	2.27 ±0.10	2.35 ±0.20	2.27 ±0.19	2.24 ±0.21	2.18 ±0.19	2.18 ±0.19	2.35 ±0.15	2.22 ±0.16	2.24 ±0.19
목심	4.17 ±0.37	4.77 ±0.33	4.63 ±0.42	4.62 ±0.51	4.61 ±0.37	4.54 ±0.53	4.72 ±1.01	4.21 ±0.29	4.57 ±0.53
앞다리	6.55 ±0.46	6.20 ±0.36	6.30 ±0.41	6.22 ±0.54	6.00 ±0.38	6.22 ±0.63	5.95 ±0.65	6.54 ±0.50	6.18 ±0.53
우둔	5.67 ±0.52	5.59 ±0.43	5.26 ±0.34	5.37 ±0.47	5.29 ±0.35	5.37 ±0.55	5.30 ±0.46	5.20 ±0.52	5.37 ±0.46
설도	8.93 ±0.56	8.73 ±0.57	8.44 ±0.39	8.53 ±0.76	8.33 ±0.49	8.55 ±0.86	8.40 ±0.63	8.25 ±0.56	8.50 ±0.66
양지	9.39 ±0.56	9.30 ±0.58	9.67 ±0.64	9.52 ±0.83	9.43 ±0.66	9.31 ±0.55	9.67 ±0.49	10.07 ±0.53	9.48 ±0.65
사태	4.04 ±0.28	3.89 ±0.35	3.72 ±0.18	3.78 ±0.35	3.61 ±0.23	3.68 ±0.35	3.54 ±0.27	3.63 ±0.30	3.71 ±0.32
갈비	12.45 ±0.44	13.34 ±1.17	12.46 ±0.51	12.74 ±1.16	12.25 ±0.97	12.49 ±0.93	12.41 ±1.33	13.01 ±0.55	12.55 ±1.01

*평균±표준편차

5) 도체등급에 따른 절식체중 대비 대분할 부위별 생산율

표 76 육질 1⁺⁺등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중 (kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중 (kg)	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
거래정육중 (대분할, kg)	267.97 ±18.74	302.30 ±9.38	322.96 ±22.37	333.98 ±19.15	342.77 ±26.27	308.09 ±31.11
안심	1.07 ±0.08	1.04 ±0.04	1.09 ±0.04	1.07 ±0.06	0.97 ±0.04	1.05 ±0.06
등심	5.18 ±0.36	5.25 ±0.35	5.03 ±0.44	5.00 ±0.61	4.57 ±0.13	5.07 ±0.42
채끝	1.51 ±0.15	1.50 ±0.11	1.50 ±0.19	1.59 ±0.17	1.51 ±0.14	1.51 ±0.14
목심	2.88 ±0.43	2.85 ±0.23	3.06 ±0.47	2.96 ±0.27	2.72 ±0.08	2.89 ±0.32
앞다리	3.65 ±0.21	3.62 ±0.13	4.20 ±0.20	3.51 ±0.34	3.75 ±0.48	3.73 ±0.33
우둔	3.29 ±0.14	3.21 ±0.23	3.39 ±0.08	3.28 ±0.35	3.08 ±0.16	3.25 ±0.21
설도	5.13 ±0.31	5.16 ±0.32	5.46 ±0.26	5.24 ±0.43	4.96 ±0.22	5.19 ±0.32
양지	5.84 ±0.40	6.11 ±0.43	6.14 ±0.38	6.13 ±0.50	5.89 ±0.51	6.02 ±0.41
사태	2.17 ±0.11	2.20 ±0.17	2.40 ±0.16	2.18 ±0.11	2.22 ±0.12	2.23 ±0.15
갈비	8.48 ±0.91	8.40 ±0.99	7.59 ±0.82	7.72 ±0.20	7.92 ±0.73	8.11 ±0.85

*평균±표준편차

표 77 육질 1⁺등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중 (kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중 (kg)	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
거래정육중 (대분할, kg)	199.97 ±22.30	238.12 ±13.15	259.82 ±13.46	281.00 ±8.71	293.55 ±15.51	318.33 ±6.97	342.83 ±12.67	281.11 ±40.85
안심	1.04 ±0.11	1.10 ±0.06	1.08 ±0.04	1.08 ±0.08	1.05 ±0.07	1.09 ±0.09	1.08 ±0.08	1.07 ±0.07
등심	5.16 ±0.65	4.96 ±0.22	5.25 ±0.32	5.03 ±0.33	5.04 ±0.28	5.13 ±0.30	5.08 ±0.34	5.08 ±0.32
채끝	1.54 ±0.22	1.50 ±0.12	1.45 ±0.05	1.55 ±0.14	1.37 ±0.10	1.37 ±0.11	1.46 ±0.14	1.44 ±0.13
목심	2.58 ±0.12	2.68 ±0.40	2.76 ±0.24	3.00 ±0.17	2.94 ±0.28	2.90 ±0.22	3.00 ±0.48	2.86 ±0.32
앞다리	3.68 ±0.29	3.77 ±0.26	3.80 ±0.32	3.75 ±0.14	3.82 ±0.26	3.89 ±0.28	3.91 ±0.17	3.81 ±0.25
우둔	3.38 ±0.46	3.47 ±0.19	3.45 ±0.24	3.26 ±0.14	3.31 ±0.19	3.37 ±0.20	3.41 ±0.20	3.37 ±0.22
설도	5.37 ±0.57	5.45 ±0.26	5.34 ±0.25	5.29 ±0.30	5.23 ±0.31	5.34 ±0.33	5.43 ±0.27	5.34 ±0.31
양지	5.75 ±0.48	5.76 ±0.19	5.84 ±0.35	6.00 ±0.32	5.96 ±0.40	5.89 ±0.34	6.26 ±0.45	5.92 ±0.37
사태	2.31 ±0.35	2.30 ±0.20	2.27 ±0.06	2.27 ±0.04	2.27 ±0.14	2.26 ±0.17	2.29 ±0.12	2.28 ±0.15
갈비	8.23 ±1.12	7.62 ±0.83	7.91 ±0.82	8.25 ±0.88	7.73 ±0.85	7.95 ±0.63	8.10 ±1.22	7.89 ±0.86

*평균±표준편차

표 78 육질 1등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중 (kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중 (kg)	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
거래정육중 (대분할, kg)	199.87 ±7.36	219.61 ±14.11	237.46 ±14.72	251.37 ±8.04	270.23 ±13.79	286.42 ±13.07	302.62 ±9.38	339.99 ±8.51	263.22 ±40.02
안심	1.11 ±0.04	1.05 ±0.08	1.04 ±0.12	1.03 ±0.06	1.06 ±0.07	1.04 ±0.07	1.04 ±0.10	1.03 ±0.09	1.05 ±0.08
등심	4.89 ±0.40	4.90 ±0.30	4.89 ±0.46	4.87 ±0.34	4.83 ±0.49	4.82 ±0.42	4.84 ±0.53	5.00 ±0.38	4.87 ±0.42
채끝	1.43 ±0.12	1.42 ±0.07	1.47 ±0.14	1.38 ±0.13	1.39 ±0.11	1.32 ±0.13	1.30 ±0.08	1.37 ±0.10	1.39 ±0.12
목심	2.61 ±0.37	2.65 ±0.34	2.66 ±0.28	2.80 ±0.33	2.66 ±0.39	2.77 ±0.28	2.74 ±0.37	2.50 ±0.23	2.68 ±0.32
앞다리	3.92 ±0.37	3.83 ±0.26	3.60 ±0.41	3.76 ±0.27	3.75 ±0.35	3.70 ±0.22	3.65 ±0.33	3.94 ±0.31	3.75 ±0.33
우둔	3.65 ±0.34	3.46 ±0.32	3.39 ±0.30	3.18 ±0.18	3.35 ±0.27	3.34 ±0.18	3.30 ±0.36	3.40 ±0.36	3.37 ±0.29
설도	5.55 ±0.42	5.42 ±0.40	5.26 ±0.41	5.17 ±0.20	5.33 ±0.43	5.18 ±0.22	5.27 ±0.54	5.28 ±0.36	5.30 ±0.38
양지	5.86 ±0.28	5.63 ±0.43	5.72 ±0.42	5.85 ±0.59	5.63 ±0.32	5.68 ±0.41	5.52 ±0.30	6.10 ±0.39	5.72 ±0.41
사태	2.56 ±0.19	2.35 ±0.12	2.25 ±0.19	2.29 ±0.16	2.27 ±0.19	2.27 ±0.11	2.26 ±0.19	2.21 ±0.14	2.30 ±0.18
갈비	7.68 ±0.42	7.68 ±0.57	8.04 ±0.78	7.57 ±0.32	7.62 ±0.80	7.78 ±0.70	7.91 ±0.51	8.00 ±0.36	7.78 ±0.63

*평균±표준편차

표 79 육질 2등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중 (kg)	485.88 ±29 43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중 (kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
거래정육중 (대분할, kg)	188.29 ±16.88	215.56 ±9.25	231.85 ±12.65	257.14 ±15.00	270.81 ±12.34	289.74 ±16.62	315.19 ±18.93	359.55 ±33.88	256.45 ±49.47
안심	1.15 ±0.09	1.06 ±0.05	1.04 ±0.07	1.06 ±0.07	1.05 ±0.07	1.01 ±0.05	1.07 ±0.08	1.04 ±0.08	1.06 ±0.08
등심	4.72 ±0.28	4.78 ±0.33	4.93 ±0.60	5.06 ±0.45	4.73 ±0.31	4.63 ±0.28	4.80 ±0.38	4.97 ±0.39	4.83 ±0.42
채끝	1.43 ±0.08	1.44 ±0.11	1.38 ±0.08	1.42 ±0.13	1.31 ±0.08	1.37 ±0.09	1.30 ±0.07	1.34 ±0.12	1.38 ±0.10
목심	2.49 ±0.37	2.55 ±0.30	2.72 ±0.54	3.10 ±0.61	2.83 ±0.41	2.61 ±0.58	3.08 ±1.01	3.46 ±1.06	2.81 ±0.63
앞다리	3.84 ±0.37	3.63 ±0.37	3.68 ±0.45	3.77 ±0.29	3.75 ±0.33	3.61 ±0.25	4.05 ±0.44	3.96 ±0.43	3.76 ±0.38
우둔	3.76 ±0.30	3.54 ±0.22	3.54 ±0.24	3.59 ±0.20	3.40 ±0.28	3.49 ±0.33	3.48 ±0.53	3.51 ±0.27	3.53 ±0.29
설도	5.73 ±0.34	5.42 ±0.44	5.43 ±0.38	5.53 ±0.22	5.28 ±0.36	5.25 ±0.42	5.40 ±0.62	5.48 ±0.38	5.43 ±0.40
양지	5.49 ±0.51	5.60 ±0.37	5.45 ±0.37	5.98 ±0.43	5.84 ±0.50	5.79 ±0.50	5.90 ±0.53	6.27 ±0.19	5.74 ±0.48
사태	2.48 ±0.20	2.29 ±0.18	2.38 ±0.19	2.37 ±0.13	2.34 ±0.19	2.31 ±0.16	2.40 ±0.26	2.39 ±0.14	2.37 ±0.18
갈비	7.62 ±0.74	7.97 ±0.38	7.80 ±0.76	7.57 ±0.85	7.58 ±0.42	7.55 ±0.90	7.73 ±0.65	7.64 ±0.59	7.70 ±0.65

*평균±표준편차

표 80 육질 3등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중 (kg)	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
거래정육중 (대분할, kg)	187.50 ±20.82	198.55 ±11.89	224.63 ±14.02	246.33 ±19.69	260.53 ±18.52	297.80 ±25.27	331.71 ±15.75	341.07 ±19.82	377.84 ±19.76	261.12 ±58.36
안심	1.17 ±0.07	1.07 ±0.07	1.10 ±0.06	1.09 ±0.07	1.11 ±0.06	1.09 ±0.09	1.02 ±0.07	1.05 ±0.10	1.09 ±0.06	1.09 ±0.08
등심	5.06 ±0.57	4.92 ±0.60	5.11 ±0.54	5.06 ±0.66	4.92 ±0.52	5.47 ±0.76	5.33 ±0.40	5.45 ±0.28	5.69 ±0.40	5.17 ±0.60
채끝	1.38 ±0.10	1.35 ±0.06	1.41 ±0.11	1.42 ±0.09	1.45 ±0.15	1.38 ±0.11	1.34 ±0.14	1.35 ±0.13	1.31 ±0.04	1.39 ±0.11
목심	3.45 ±1.18	3.02 ±0.59	3.27 ±0.79	3.37 ±0.89	3.22 ±0.77	4.11 ±1.20	4.43 ±0.33	4.72 ±0.71	4.74 ±0.85	3.65 ±1.01
앞다리	4.27 ±0.53	3.96 ±0.35	4.10 ±0.40	3.99 ±0.43	3.86 ±0.38	4.30 ±0.51	4.21 ±0.38	4.51 ±0.34	4.50 ±0.42	4.13 ±0.45
우둔	3.90 ±0.44	3.75 ±0.35	3.75 ±0.24	3.68 ±0.30	3.7 6±0.29	3.76 ±0.39	3.70 ±0.35	3.76 ±0.25	3.73 ±0.29	3.75 ±0.32
설도	5.81 ±0.63	5.47 ±0.42	5.71 ±0.34	5.52 ±0.36	5.54 ±0.60	5.63 ±0.42	5.68 ±0.44	5.86 ±0.42	5.79 ±0.37	5.64 ±0.44
양지	5.92 ±0.63	5.70 ±0.32	5.70 ±0.38	5.90 ±0.52	5.99 ±0.61	6.34 ±0.44	6.01 ±0.54	6.41 ±0.73	6.69 ±0.56	6.00 ±0.57
사태	2.77 ±0.24	2.53 ±0.22	2.54 ±0.17	2.46 ±0.24	2.48 ±0.18	2.53 ±0.19	2.50 ±0.18	2.58 ±0.22	2.51 ±0.21	2.53 ±0.22
갈비	7.41 ±0.30	7.02 ±0.66	7.64 ±0.55	7.53 ±0.61	7.48 ±0.77	7.86 ±0.42	7.66 ±0.55	7.44 ±0.35	7.97 ±0.51	7.55 ±0.59

*평균±표준편차

6) 도체등급에 따른 냉도체중 대비 대분할 부위별 생산율

표 81 육질 1++등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간 (kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중 (kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중 (kg)	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
거래정육중 (대분할, kg)	267.97 ±18.74	302.30 ±9.38	322.96 ±22.37	333.98 ±19.15	342.77 ±26.27	308.09 ±31.11
안심	1.72 ±0.11	1.66 ±0.08	1.71 ±0.12	1.66 ±0.09	1.55 ±0.04	1.67 ±0.10
등심	8.30 ±0.41	8.34 ±0.50	7.91 ±0.87	7.76 ±0.58	7.30 ±0.16	8.03 ±0.62
채끝	2.42 ±0.21	2.37 ±0.14	2.35 ±0.28	2.47 ±0.17	2.42 ±0.17	2.40 ±0.18
목심	4.62 ±0.60	4.53 ±0.38	4.80 ±0.70	4.60 ±0.31	4.34 ±0.04	4.58 ±0.46
앞다리	5.85 ±0.27	5.75 ±0.27	6.60 ±0.41	5.46 ±0.37	5.99 ±0.79	5.92 ±0.51
우둔	5.28 ±0.26	5.11 ±0.50	5.33 ±0.24	5.10 ±0.38	4.92 ±0.17	5.16 ±0.36
설도	8.23 ±0.41	8.21 ±0.63	8.58 ±0.47	8.16 ±0.52	7.93 ±0.48	8.24 ±0.51
양지	9.38 ±0.65	9.69 ±0.50	9.64 ±0.42	9.54 ±0.55	9.41 ±0.80	9.55 ±0.53
사태	3.49 ±0.22	3.49 ±0.29	3.76 ±0.28	3.40 ±0.05	3.54 ±0.27	3.54 ±0.26
갈비	13.62 ±1.50	13.35 ±1.60	11.94 ±1.43	12.05 ±0.86	12.67 ±1.23	12.88 ±1.47

*평균±표준편차

표 82 육질 1⁺등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중 (kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중 (kg)	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
거래정육중 (대분할, kg)	199.97 ±22.30	238.12 ±13.15	259.82 ±13.46	281.00 ±8.71	293.55 ±15.51	318.33 ±6.97	342.83 ±12.67	281.11 ±40.85
안심	1.66 ±0.23	1.78 ±0.13	1.76 ±0.07	1.76 ±0.17	1.66 ±0.11	1.74 ±0.15	1.68 ±0.14	1.72 ±0.14
등심	8.24 ±1.23	8.03 ±0.49	8.54 ±0.48	8.18 ±0.71	8.01 ±0.46	8.21 ±0.53	7.87 ±0.71	8.13 ±0.60
채끝	2.45 ±0.31	2.42 ±0.09	2.36 ±0.09	2.52 ±0.24	2.18 ±0.12	2.19 ±0.15	2.25 ±0.16	2.31 ±0.19
목심	4.11 ±0.34	4.33 ±0.57	4.48 ±0.36	4.88 ±0.42	4.67 ±0.32	4.64 ±0.38	4.64 ±0.76	4.56 ±0.47
앞다리	5.88 ±0.71	6.11 ±0.43	6.18 ±0.52	6.09 ±0.10	6.07 ±0.40	6.22 ±0.54	6.05 ±0.39	6.10 ±0.43
우둔	5.40 ±0.83	5.61 ±0.28	5.61 ±0.42	5.29 ±0.20	5.26 ±0.28	5.39 ±0.37	5.27 ±0.40	5.39 ±0.38
설도	8.57 ±1.09	8.81 ±0.33	8.69 ±0.47	8.59 ±0.46	8.32 ±0.51	8.54 ±0.68	8.40 ±0.51	8.54 ±0.56
양지	9.16 ±0.90	9.33 ±0.57	9.49 ±0.47	9.74 ±0.71	9.47 ±0.60	9.41 ±0.46	9.67 ±0.60	9.47 ±0.58
사태	3.69 ±0.67	3.72 ±0.25	3.70 ±0.15	3.69 ±0.16	3.60 ±0.24	3.62 ±0.32	3.55 ±0.25	3.65 ±0.28
갈비	13.06 ±1.13	12.30 ±1.11	12.85 ±1.17	13.39 ±1.43	12.26 ±1.17	12.71 ±0.97	12.49 ±1.67	12.61 ±1.21

*평균±표준편차

표 83 육질 1등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중 (kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중 (kg)	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
거래정육중 (대분할, kg)	199.87 ±7.36	219.61 ±14.11	237.46 ±14.72	251.37 ±18.04	270.23 ±13.79	286.42 ±13.07	302.62 ±9.38	339.99 ±8.51	263.22 ±40.02
안심	1.81 ±0.08	1.74 ±0.11	1.70 ±0.19	1.67 ±0.14	1.72 ±0.10	1.67 ±0.11	1.67 ±0.19	1.69 ±0.16	1.71 ±0.14
등심	7.98 ±0.80	8.15 ±0.40	7.97 ±0.73	7.85 ±0.41	7.87 ±0.72	7.75 ±0.78	7.79 ±1.03	8.20 ±0.62	7.92 ±0.70
채끝	2.33 ±0.22	2.36 ±0.11	2.40 ±0.22	2.23 ±0.19	2.26 ±0.14	2.12 ±0.23	2.10 ±0.18	2.25 ±0.19	2.25 ±0.21
목심	4.26 ±0.61	4.41 ±0.49	4.33 ±0.41	4.52 ±0.44	4.33 ±0.54	4.44 ±0.47	4.40 ±0.60	4.10 ±0.41	4.36 ±0.49
앞다리	6.39 ±0.67	6.38 ±0.46	5.86 ±0.60	6.08 ±0.46	6.10 ±0.53	5.94 ±0.40	5.87 ±0.59	6.46 ±0.51	6.09 ±0.55
우둔	5.95 ±0.57	5.77 ±0.51	5.52 ±0.49	5.15 ±0.39	5.47 ±0.46	5.36 ±0.36	5.31 ±0.70	5.59 ±0.69	5.49 ±0.53
설도	9.06 ±0.79	9.02 ±0.60	8.58 ±0.66	8.35 ±0.49	8.69 ±0.74	8.32 ±0.42	8.49 ±1.10	8.67 ±0.77	8.62 ±0.71
양지	9.56 ±0.63	9.37 ±0.59	9.31 ±0.64	9.43 ±0.74	9.17 ±0.39	9.12 ±0.71	8.86 ±0.45	9.99 ±0.47	9.30 ±0.63
사태	4.17 ±0.31	3.92 ±0.19	3.66 ±0.24	3.70 ±0.30	3.71 ±0.33	3.64 ±0.20	3.64 ±0.36	3.64 ±0.31	3.74 ±0.31
갈비	12.53 ±0.78	12.79 ±1.05	13.08 ±1.08	12.23 ±0.64	12.43 ±1.30	12.49 ±1.15	12.69 ±0.69	13.12 ±0.66	12.65 ±1.01

*평균±표준편차

표 84 육질 2등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간 (kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중 (kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중 (kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
거래정육중 (대분할, kg)	188.29 ±16.88	215.56 ±9.25	231.85 ±12.65	257.14 ±15.00	270.81 ±12.34	289.74 ±16.62	315.19 ±18.93	359.55 ±33.88	256.45 ±49.47
안심	1.95 ±0.17	1.75 ±0.10	1.75 ±0.09	1.74 ±0.08	1.74 ±0.15	1.64 ±0.10	1.74 ±0.14	1.68 ±0.15	1.75 ±0.14
등심	8.01 ±0.62	7.91 ±0.53	8.30 ±1.08	8.30 ±0.69	7.86 ±0.66	7.47 ±0.59	7.81 ±0.81	8.01 ±0.69	8.00 ±0.77
채끝	2.42 ±0.10	2.38 ±0.19	2.32 ±0.12	2.33 ±0.16	2.18 ±0.17	2.20 ±0.16	2.11 ±0.14	2.16 ±0.21	2.28 ±0.18
목심	4.21 ±0.49	4.23 ±0.55	4.56 ±0.86	5.09 ±1.08	4.70 ±0.72	4.22 ±0.98	5.05 ±1.82	5.56 ±1.68	4.64 ±1.03
앞다리	6.50 ±0.56	6.02 ±0.70	6.18 ±0.75	6.18 ±0.52	6.23 ±0.60	5.83 ±0.46	6.60 ±0.81	6.38 ±0.74	6.21 ±0.66
우둔	6.36 ±0.49	5.86 ±0.50	5.95 ±0.44	5.88 ±0.27	5.66 ±0.58	5.63 ±0.58	5.67 ±0.98	5.66 ±0.53	5.85 ±0.55
설도	9.70 ±0.65	8.99 ±0.94	9.13 ±0.70	9.08 ±0.31	8.79 ±0.79	8.46 ±0.79	8.79 ±1.15	8.83 ±0.75	9.00 ±0.80
양지	9.28 ±0.73	9.26 ±0.60	9.15 ±0.37	9.81 ±0.62	9.70 ±0.94	9.34 ±0.87	9.60 ±0.97	10.09 ±0.37	9.48 ±0.72
사태	4.20 ±0.37	3.79 ±0.35	4.00 ±0.27	3.89 ±0.20	3.89 ±0.36	3.72 ±0.29	3.91 ±0.50	3.86 ±0.31	3.92 ±0.34
갈비	12.90 ±1.25	13.19 ±0.74	13.10 ±0.98	12.41 ±1.33	12.60 ±0.82	12.17 ±1.51	12.56 ±1.05	12.31 ±1.15	12.73 ±1.09

*평균±표준편차

표 85 육질 3등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중 (kg)	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
거래정육중 (대분할, kg)	187.50 ±20.82	198.55 ±11.89	224.63 ±14.02	246.33 ±19.69	260.53 ±18.52	297.80 ±25.27	331.71 ±15.75	341.07 ±19.82	377.84 ±19.76	261.12 ±58.36
안심	1.99 ±0.15	1.85 ±0.10	1.83 ±0.12	1.81 ±0.11	1.83 ±0.09	1.77 ±0.11	1.70 ±0.07	1.69 ±0.15	1.75 ±0.07	1.81 ±0.13
등심	8.55 ±0.83	8.52 ±0.94	8.52 ±0.85	8.39 ±1.05	8.12 ±0.72	8.89 ±1.15	8.93 ±0.56	8.81 ±0.44	9.13 ±0.49	8.59 ±0.88
채끝	2.35 ±0.20	2.35 ±0.14	2.36 ±0.16	2.35 ±0.17	2.39 ±0.18	2.24 ±0.16	2.24 ±0.18	2.18 ±0.19	2.11 ±0.07	2.31 ±0.18
목심	5.81 ±1.87	5.23 ±0.99	5.45 ±1.30	5.59 ±1.44	5.29 ±1.11	6.64 ±1.84	7.44 ±0.74	7.63 ±1.01	7.60 ±1.34	6.04 ±1.57
앞다리	7.22 ±0.80	6.86 ±0.55	6.84 ±0.63	6.62 ±0.71	6.38 ±0.55	6.98 ±0.70	7.04 ±0.47	7.30 ±0.46	7.22 ±0.56	6.86 ±0.66
우둔	6.60 ±0.66	6.51 ±0.57	6.27 ±0.49	6.11 ±0.52	6.22 ±0.37	6.12 ±0.56	6.19 ±0.39	6.09 ±0.55	5.99 ±0.45	6.23 ±0.52
설도	9.83 ±0.95	9.49 ±0.66	9.54 ±0.73	9.18 ±0.66	9.14 ±0.82	9.16 ±0.54	9.51 ±0.45	9.48 ±0.72	9.29 ±0.63	9.37 ±0.70
양지	10.02 ±0.97	9.88 ±0.53	9.51 ±0.56	9.80 ±0.78	9.88 ±0.78	10.31 ±0.55	10.07 ±0.82	10.36 ±1.06	10.73 ±0.74	9.97 ±0.77
사태	4.69 ±0.40	4.39 ±0.35	4.24 ±0.33	4.09 ±0.39	4.09 ±0.21	4.11 ±0.25	4.19 ±0.16	4.18 ±0.35	4.03 ±0.34	4.21 ±0.36
갈비	12.54 ±0.55	12.17 ±1.08	12.75 ±0.79	12.50 ±0.88	12.37 ±1.20	12.81 ±0.79	12.81 ±0.53	12.02 ±0.28	12.78 ±0.59	12.54 ±0.84

*평균±표준편차

표 86 육량 A등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중(kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중(kg)	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
거래정육중(대분할, kg)	194.89 ±15.74	201.03 ±11.40	225.88 ±13.20	248.90 ±20.00	263.47 ±19.49	294.75 ±25.63	324.03 ±19.69	341.07 ±15.67	370.33 ±21.82	269.14 ±57.89
안심	1.46 ±0.06	1.40 ±0.12	1.45 ±0.11	1.40 ±0.13	1.38 ±0.13	1.41 ±0.09	1.33 ±0.13	1.36 ±0.08	1.34 ±0.06	1.40 ±0.11
등심	5.82 ±0.53	5.79 ±0.26	5.97 ±0.40	6.02 ±0.49	6.00 ±0.41	6.18 ±0.64	5.88 ±0.39	6.13 ±0.40	6.22 ±0.43	6.00 ±0.45
채끝	1.83 ±0.27	1.69 ±0.13	1.74 ±0.18	1.67 ±0.21	1.69 ±0.20	1.63 ±0.16	1.61 ±0.20	1.63 ±0.23	1.56 ±0.09	1.67 ±0.19
목심	3.15 ±0.98	3.13 ±0.41	3.42 ±0.71	3.79 ±0.76	3.88 ±0.64	4.26 ±1.03	4.30 ±0.76	4.48 ±0.96	4.81 ±0.74	3.88 ±0.92
앞다리	4.93 ±0.34	4.91 ±0.31	4.98 ±0.30	4.92 ±0.35	4.95 ±0.33	5.07 ±0.37	4.86 ±0.38	5.21 ±0.33	5.16 ±0.31	4.99 ±0.34
우둔	4.62 ±0.28	4.48 ±0.44	4.27 ±0.29	4.32 ±0.18	4.18 ±0.30	4.29 ±0.33	4.29 ±0.29	4.33 ±0.18	4.33 ±0.19	4.33 ±0.29
설도	6.88 ±0.39	6.81 ±0.47	6.64 ±0.39	6.54 ±0.20	6.54 ±0.35	6.56 ±0.37	6.57 ±0.47	6.73 ±0.35	6.65 ±0.29	6.64 ±0.37
양지	12.08 ±1.48	11.53 ±1.24	11.78 ±1.14	11.61 ±1.37	12.46 ±1.25	12.09 ±1.26	11.91 ±1.48	11.77 ±1.09	12.18 ±1.18	11.90 ±1.25
사태	3.13 ±0.18	3.07 ±0.21	2.90 ±0.20	2.98 ±0.21	2.90 ±0.15	2.96 ±0.15	2.99 ±0.22	3.07 ±0.16	2.99 ±0.20	2.98 ±0.20
갈비	8.33 ±0.59	8.03 ±0.39	8.38 ±0.54	8.12 ±0.62	8.39 ±0.39	8.30 ±0.34	8.25 ±0.57	8.12 ±0.59	8.53 ±0.40	8.27 ±0.51

*평균±표준편차

표 87 육량 B등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중 (kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중 (kg)	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
거래정육중 (대분할, kg)	175.35 ±15.46	195.28 ±6.34	216.67 ±9.57	237.26 ±12.79	255.66 ±13.42	280.53 ±11.56	294.42 ±14.13	318.00 ±9.49	352.60 ±23.40	262.05 ±50.76
안심	1.13 ±0.07	1.10 ±0.08	1.08 ±0.04	1.08 ±0.07	1.08 ±0.05	1.07 ±0.07	1.04 ±0.08	1.07 ±0.09	1.03 ±0.07	1.07 ±0.07
등심	4.88 ±0.52	4.50 ±0.43	4.68 ±0.24	4.93 ±0.34	4.91 ±0.38	5.05 ±0.31	5.01 ±0.39	5.04 ±0.26	4.89 ±0.39	4.90 ±0.38
채끝	1.35 ±0.09	1.40 ±0.04	1.44 ±0.13	1.43 ±0.11	1.43 ±0.06	1.44 ±0.15	1.38 ±0.10	1.36 ±0.12	1.45 ±0.18	1.41 ±0.12
목심	3.15 ±1.07	2.51 ±0.31	2.61 ±0.30	2.76 ±0.53	2.81 ±0.19	2.94 ±0.46	2.85 ±0.25	3.10 ±0.51	2.84 ±0.38	2.83 ±0.48
앞다리	4.14 ±0.60	3.63 ±0.23	3.69 ±0.22	3.78 ±0.34	3.83 ±0.18	3.91 ±0.33	3.80 ±0.24	4.07 ±0.36	3.84 ±0.35	3.84 ±0.34
우둔	3.78 ±0.46	3.56 ±0.24	3.62 ±0.16	3.51 ±0.22	3.54 ±0.33	3.43 ±0.25	3.34 ±0.18	3.44 ±0.27	3.34 ±0.33	3.48 ±0.28
설도	5.65 ±0.64	5.38 ±0.26	5.55 ±0.33	5.45 ±0.23	5.49 ±0.29	5.39 ±0.31	5.21 ±0.23	5.48 ±0.40	5.26 ±0.29	5.40 ±0.33
양지	5.61 ±0.86	5.61 ±0.22	5.57 ±0.31	5.66 ±0.37	5.62 ±0.44	5.97 ±0.41	5.99 ±0.46	5.79 ±0.40	6.18 ±0.37	5.80 ±0.46
사태	2.70 ±0.30	2.40 ±0.14	2.37 ±0.16	2.31 ±0.17	2.42 ±0.17	2.39 ±0.18	2.30 ±0.11	2.38 ±0.21	2.28 ±0.11	2.37 ±0.19
갈비	7.43 ±0.37	7.34 ±1.00	8.14 ±0.47	7.68 ±0.80	7.58 ±0.60	7.88 ±0.85	7.92 ±0.71	7.69 ±0.33	7.90 ±0.42	7.77 ±0.71

*평균±표준편차

표 88 육량 C등급 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중 (kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중 (kg)	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
거래정육중 (대분할, kg)	205.38 ±11.32	234.39 ±14.59	254.34 ±14.69	264.75 ±11.72	288.59 ±13.97	305.77 ±9.82	334.45 ±17.30	342.38 ±24.32	271.42 ±38.52
안심	1.00 ±0.05	1.04 ±0.10	1.06 ±0.06	1.03 ±0.07	1.03 ±0.05	1.05 ±0.09	1.06 ±0.07	1.01 ±0.11	1.04 ±0.08
등심	4.90 ±0.56	4.77 ±0.42	4.94 ±0.37	4.63 ±0.42	4.87 ±0.39	4.81 ±0.43	5.05 ±0.36	4.69 ±0.24	4.83 ±0.41
채끝	1.38 ±0.11	1.47 ±0.12	1.44 ±0.12	1.35 ±0.10	1.37 ±0.14	1.32 ±0.11	1.45 ±0.12	1.37 ±0.14	1.40 ±0.13
목심	2.79 ±0.76	2.61 ±0.30	2.70 ±0.19	2.65 ±0.42	2.76 ±0.38	2.73 ±0.30	2.78 ±0.54	2.61 ±0.25	2.70 ±0.38
앞다리	3.61 ±0.47	3.54 ±0.30	3.61 ±0.21	3.58 ±0.22	3.62 ±0.21	3.73 ±0.29	3.80 ±0.30	3.77 ±0.47	3.63 ±0.28
우둔	3.26 ±0.25	3.42 ±0.28	3.46 ±0.31	3.26 ±0.23	3.28 ±0.22	3.24 ±0.27	3.31 ±0.19	3.36 ±0.40	3.33 ±0.27
설도	4.96 ±0.28	5.24 ±0.36	5.29 ±0.27	5.15 ±0.34	5.15 ±0.31	5.15 ±0.38	5.32 ±0.30	5.14 ±0.49	5.19 ±0.33
양지	5.65 ±0.34	5.63 ±0.44	5.92 ±0.37	5.61 ±0.33	5.74 ±0.40	5.77 ±0.45	6.18 ±0.35	6.13 ±0.57	5.77 ±0.42
사태	2.25 ±0.30	2.27 ±0.17	2.28 ±0.15	2.20 ±0.11	2.20 ±0.13	2.22 ±0.14	2.22 ±0.11	2.26 ±0.25	2.24 ±0.16
갈비	8.07 ±0.85	8.05 ±0.81	7.80 ±0.94	7.72 ±0.54	7.83 ±0.99	7.94 ±0.72	7.97 ±1.12	7.80 ±0.53	7.89 ±0.82

*평균±표준편차

표 89 육량 A등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중 (kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중 (kg)	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
거래정육중 (대분할, kg)	194.89 ±15.74	201.03 ±11.40	225.88 ±13.20	248.90 ±20.00	263.47 ±19.49	294.75 ±25.63	324.03 ±19.69	341.07 ±15.67	370.33 ±21.82	269.14 ±57.89
안심	2.41 ±0.17	2.35 ±0.17	2.42 ±0.18	2.34 ±0.19	2.29 ±0.19	2.31 ±0.14	2.20 ±0.11	2.22 ±0.10	2.15 ±0.10	2.31 ±0.18
등심	9.60 ±0.73	9.74 ±0.47	9.97 ±0.56	10.07 ±0.83	9.94 ±0.51	10.10 ±0.98	9.77 ±0.44	9.99 ±0.52	9.98 ±0.61	9.93 ±0.65
채끝	3.01 ±0.37	2.84 ±0.20	2.90 ±0.31	2.80 ±0.36	2.80 ±0.26	2.67 ±0.27	2.67 ±0.28	2.66 ±0.36	2.51 ±0.16	2.77 ±0.31
목심	5.20 ±1.66	5.27 ±0.73	5.70 ±1.14	6.33 ±1.17	6.41 ±0.90	6.93 ±1.53	7.17 ±1.37	7.30 ±1.53	7.71 ±1.16	6.40 ±1.43
앞다리	8.13 ±0.48	8.26 ±0.39	8.32 ±0.38	8.22 ±0.47	8.20 ±0.34	8.27 ±0.36	8.07 ±0.48	8.48 ±0.33	8.28 ±0.41	8.25 ±0.40
우둔	7.61 ±0.32	7.52 ±0.59	7.14 ±0.50	7.22 ±0.23	6.92 ±0.39	7.00 ±0.37	7.13 ±0.26	7.07 ±0.48	6.95 ±0.26	7.16 ±0.43
설도	11.33 ±0.28	11.44 ±0.46	11.11 ±0.71	10.94 ±0.46	10.83 ±0.51	10.72 ±0.59	10.91 ±0.45	10.97 ±0.59	10.68 ±0.51	10.99 ±0.56
양지	19.90 ±2.10	19.37 ±1.79	19.67 ±1.71	19.41 ±2.14	20.62 ±1.72	19.77 ±2.20	19.75 ±1.91	19.16 ±1.37	19.52 ±1.59	19.68 ±1.83
사태	5.16 ±0.25	5.16 ±0.31	4.85 ±0.34	4.98 ±0.30	4.80 ±0.20	4.84 ±0.13	4.96 ±0.18	5.00 ±0.27	4.79 ±0.32	4.94 ±0.29
갈비	13.73 ±0.62	13.50 ±0.53	14.01 ±0.88	13.57 ±0.84	13.91 ±0.75	13.58 ±0.74	13.70 ±0.41	13.23 ±0.75	13.69 ±0.62	13.68 ±0.73

*평균±표준편차

표 90 육량 B등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중(kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중(kg)	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
거래정육중(대분할, kg)	175.35 ±15.46	195.28 ±6.34	216.67 ±9.57	237.26 ±12.79	255.66 ±13.42	280.53 ±11.56	294.42 ±14.13	318.00 ±9.49	352.60 ±23.40	262.05 ±50.76
안심	1.93 ±0.14	1.87 ±0.17	1.80 ±0.06	1.78 ±0.10	1.78 ±0.08	1.76 ±0.11	1.66 ±0.11	1.71 ±0.16	1.66 ±0.12	1.76 ±0.14
등심	8.32 ±0.71	7.65 ±0.79	7.80 ±0.29	8.13 ±0.50	8.10 ±0.57	8.32 ±0.42	8.03 ±0.68	8.11 ±0.52	7.84 ±0.53	8.06 ±0.58
채끝	2.30 ±0.13	2.38 ±0.16	2.39 ±0.20	2.36 ±0.11	2.37 ±0.10	2.37 ±0.21	2.22 ±0.16	2.19 ±0.14	2.33 ±0.24	2.32 ±0.18
목심	5.33 ±1.62	4.27 ±0.54	4.36 ±0.52	4.55 ±0.84	4.63 ±0.29	4.84 ±0.74	4.57 ±0.39	4.98 ±0.79	4.55 ±0.57	4.65 ±0.76
앞다리	7.06 ±0.89	6.19 ±0.58	6.16 ±0.41	6.23 ±0.55	6.32 ±0.30	6.45 ±0.52	6.09 ±0.35	6.56 ±0.60	6.18 ±0.64	6.32 ±0.57
우둔	6.44 ±0.71	6.07 ±0.65	6.04 ±0.31	5.79 ±0.40	5.83 ±0.53	5.66 ±0.45	5.36 ±0.36	5.54 ±0.48	5.38 ±0.64	5.74 ±0.56
설도	9.65 ±1.13	9.16 ±0.77	9.27 ±0.66	8.99 ±0.43	9.06 ±0.52	8.89 ±0.55	8.35 ±0.44	8.82 ±0.76	8.46 ±0.69	8.90 ±0.70
양지	9.56 ±1.18	9.56 ±0.65	9.30 ±0.39	9.33 ±0.51	9.27 ±0.65	9.85 ±0.74	9.59 ±0.68	9.31 ±0.57	9.93 ±0.38	9.54 ±0.67
사태	4.61 ±0.51	4.08 ±0.32	3.95 ±0.32	3.81 ±0.27	4.00 ±0.30	3.94 ±0.31	3.69 ±0.19	3.83 ±0.38	3.67 ±0.27	3.91 ±0.37
갈비	12.69 ±0.57	12.47 ±1.55	13.58 ±0.73	12.66 ±1.19	12.51 ±0.94	12.99 ±1.38	12.69 ±1.02	12.37 ±0.56	12.71 ±0.90	12.76 ±1.10

*평균±표준편차

표 91 육량 C등급 한우 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중 (kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중 (kg)	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
거래정육중 (대분할, kg)	205.38 ±11.32	234.39 ±14.59	254.34 ±14.69	264.75 ±11.72	288.59 ±13.97	305.77 ±9.82	334.45 ±17.30	342.38 ±24.32	271.42 ±38.52
안심	1.62 ±0.13	1.71 ±0.16	1.71 ±0.10	1.67 ±0.12	1.64 ±0.09	1.66 ±0.15	1.64 ±0.10	1.63 ±0.19	1.67 ±0.13
등심	7.97 ±1.20	7.81 ±0.69	7.97 ±0.53	7.51 ±0.62	7.74 ±0.60	7.64 ±0.76	7.88 ±0.73	7.61 ±0.33	7.76 ±0.68
채끝	2.23 ±0.09	2.40 ±0.18	2.32 ±0.19	2.19 ±0.16	2.17 ±0.20	2.10 ±0.16	2.26 ±0.13	2.22 ±0.21	2.24 ±0.20
목심	4.57 ±1.43	4.26 ±0.45	4.36 ±0.24	4.28 ±0.63	4.38 ±0.57	4.34 ±0.49	4.31 ±0.78	4.25 ±0.45	4.33 ±0.60
앞다리	5.88 ±1.01	5.79 ±0.45	5.83 ±0.34	5.80 ±0.31	5.75 ±0.35	5.92 ±0.48	5.92 ±0.52	6.12 ±0.76	5.83 ±0.46
우둔	5.31 ±0.61	5.60 ±0.48	5.59 ±0.53	5.30 ±0.46	5.20 ±0.38	5.15 ±0.48	5.15 ±0.25	5.45 ±0.72	5.36 ±0.49
설도	8.07 ±0.76	8.57 ±0.60	8.55 ±0.50	8.36 ±0.64	8.17 ±0.53	8.18 ±0.72	8.28 ±0.42	8.36 ±0.92	8.35 ±0.62
양지	9.19 ±0.94	9.21 ±0.65	9.55 ±0.48	9.11 ±0.55	9.11 ±0.57	9.16 ±0.62	9.63 ±0.52	9.95 ±0.95	9.27 ±0.64
사태	3.67 ±0.63	3.72 ±0.23	3.67 ±0.23	3.58 ±0.24	3.50 ±0.21	3.52 ±0.24	3.46 ±0.17	3.68 ±0.45	3.60 ±0.28
갈비	13.06 ±0.99	13.14 ±1.08	12.58 ±1.44	12.52 ±0.96	12.43 ±1.58	12.61 ±1.19	12.41 ±1.61	12.66 ±0.84	12.68 ±1.27

*평균±표준편차

표 92 도체등급에 따른 한우 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중 (kg)	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
거래정육중 (대분할, kg)	308.09 ±31.11	281.11 ±40.85	263.22 ±40.02	256.45 ±49.47	261.12 ±58.36	269.14 ±57.89	262.05 ±50.76	271.42 ±38.52
안심	1.05 ±0.06	1.07 ±0.07	1.05 ±0.08	1.06 ±0.08	1.09 ±0.08	1.10 ±0.07	1.07 ±0.07	1.04 ±0.08
등심	5.07 ±0.42	5.08 ±0.32	4.87 ±0.42	4.83 ±0.42	5.17 ±0.60	5.29 ±0.51	4.90 ±0.38	4.83 ±0.41
채끝	1.51 ±0.14	1.44 ±0.13	1.39 ±0.12	1.38 ±0.10	1.39 ±0.11	1.40 ±0.12	1.41 ±0.12	1.40 ±0.13
목심	2.89 ±0.32	2.86 ±0.32	2.68 ±0.32	2.81 ±0.63	3.65 ±1.01	3.60 ±0.96	2.83 ±0.48	2.70 ±0.38
앞다리	3.73 ±0.33	3.81 ±0.25	3.75 ±0.33	3.76 ±0.38	4.13 ±0.45	4.16 ±0.39	3.84 ±0.34	3.63 ±0.28
우둔	3.25 ±0.21	3.37 ±0.22	3.37 ±0.29	3.53 ±0.29	3.75 ±0.32	3.73 ±0.31	3.48 ±0.28	3.33 ±0.27
설도	5.19 ±0.32	5.34 ±0.31	5.30 ±0.38	5.43 ±0.40	5.64 ±0.44	5.70 ±0.39	5.40 ±0.33	5.19 ±0.33
양지	6.02 ±0.41	5.92 ±0.37	5.72 ±0.41	5.74 ±0.48	6.00 ±0.57	6.03 ±0.52	5.80 ±0.46	5.77 ±0.42
사태	2.23 ±0.15	2.28 ±0.15	2.30 ±0.18	2.37 ±0.18	2.53 ±0.22	2.52 ±0.19	2.37 ±0.19	2.24 ±0.16
갈비	8.11 ±0.85	7.89 ±0.86	7.78 ±0.63	7.70 ±0.65	7.55 ±0.59	7.55 ±0.48	7.77 ±0.71	7.89 ±0.82

*평균±표준편차

표 93 도체등급에 따른 한우 암소의 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중 (kg)	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
거래정육중 (대분할, kg)	289.06 ±28.59	240.07 ±28.79	245.81 ±33.87	236.81 ±39.06	222.24 ±28.29	217.74 ±24.67	230.19 ±37.63	250.89 ±32.38
안심	0.99 ±0.05	1.08 ±0.07	1.06 ±0.08	1.06 ±0.07	1.09 ±0.08	1.13 ±0.08	1.08 ±0.06	1.03 ±0.07
등심	4.80 ±0.14	4.97 ±0.38	4.84 ±0.42	4.72 ±0.31	4.64 ±0.37	4.93 ±0.38	4.71 ±0.31	4.71 ±0.39
채끝	1.56 ±0.01	1.53 ±0.15	1.45 ±0.12	1.40 ±0.10	1.42 ±0.11	1.45 ±0.13	1.42 ±0.11	1.44 ±0.12
목심	2.61 ±0.10	2.62 ±0.30	2.61 ±0.33	2.57 ±0.31	2.61 ±0.32	2.69 ±0.32	2.61 ±0.31	2.54 ±0.30
앞다리	3.35 ±0.13	3.63 ±0.21	3.60 ±0.35	3.60 ±0.24	3.71 ±0.25	3.81 ±0.28	3.70 ±0.24	3.48 ±0.22
우둔	3.16 ±0.19	3.40 ±0.28	3.44 ±0.32	3.54 ±0.26	3.68 ±0.25	3.75 ±0.26	3.58 ±0.21	3.38 ±0.29
설도	4.83 ±0.08	5.38 ±0.39	5.33 ±0.39	5.41 ±0.35	5.48 ±0.43	5.64 ±0.46	5.48 ±0.30	5.19 ±0.33
양지	5.62 ±0.29	5.78 ±0.29	5.65 ±0.39	5.57 ±0.42	5.59 ±0.36	5.66 ±0.41	5.55 ±0.34	5.65 ±0.40
사태	2.04 ±0.07	2.23 ±0.19	2.28 ±0.20	2.33 ±0.16	2.41 ±0.18	2.45 ±0.20	2.36 ±0.15	2.23 ±0.16
갈비	8.71 ±1.46	7.89 ±1.03	7.85 ±0.79	7.72 ±0.73	7.48 ±0.72	7.39 ±0.50	7.60 ±0.72	8.00 ±0.93

*평균±표준편차

표 94 도체등급에 따른 한우 수소의 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중 (kg)	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
거래정육중 (대분할, kg)	294.48 ±57.22	287.28 ±58.95	295.80 ±52.79	260.88 ±78.35	207.54 ±4.45
안심	1.04 ±0.05	1.09 ±0.08	1.09 ±0.07	1.05 ±0.11	1.03 ±0.03
등심	5.37 ±0.57	5.53 ±0.44	5.55 ±0.47	5.21 ±0.37	5.49 ±0.01
채끝	1.32 ±0.08	1.36 ±0.10	1.37 ±0.10	1.31 ±0.07	1.29 ±0.09
목심	3.84 ±0.79	4.34 ±0.64	4.32 ±0.71	4.00 ±0.58	3.83 ±0.23
앞다리	4.14 ±0.44	4.41 ±0.32	4.38 ±0.33	4.35 ±0.50	4.26 ±0.25
우둔	3.69 ±0.27	3.79 ±0.35	3.81 ±0.30	3.68 ±0.49	3.36 ±0.41
설도	5.69 ±0.37	5.74 ±0.42	5.79 ±0.36	5.57 ±0.55	5.02 ±0.45
양지	6.09 ±0.46	6.28 ±0.51	6.26 ±0.52	6.23 ±0.47	6.02 ±0.15
사태	2.48 ±0.13	2.62 ±0.20	2.59 ±0.18	2.65 ±0.32	2.51 ±0.13
갈비	7.52 ±0.30	7.59 ±0.49	7.60 ±0.49	7.42 ±0.31	7.84 ±0.18

*평균±표준편차

표 95 도체등급에 따른 한우 거세우의 절식체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중 (kg)	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
거래정육중 (대분할, kg)	311.10 ±31.12	295.43 ±34.30	271.67 ±39.18	291.31 ±40.31	266.65 ±57.07	292.81 ±36.29	292.60 ±29.82
안심	1.06 ±0.06	1.07 ±0.07	1.05 ±0.08	1.06 ±0.09	1.08 ±0.07	1.06 ±0.08	1.05 ±0.08
등심	5.11 ±0.44	5.12 ±0.29	4.87 ±0.41	4.80 ±0.34	5.10 ±0.38	5.03 ±0.37	4.90 ±0.39
채끝	1.51 ±0.15	1.41 ±0.11	1.35 ±0.11	1.33 ±0.09	1.44 ±0.12	1.42 ±0.13	1.36 ±0.12
목심	2.94 ±0.32	2.94 ±0.28	2.74 ±0.30	2.85 ±0.54	2.92 ±0.49	2.86 ±0.28	2.82 ±0.33
앞다리	3.79 ±0.31	3.88 ±0.23	3.82 ±0.29	3.97 ±0.42	4.07 ±0.25	3.89 ±0.29	3.74 ±0.25
우둔	3.27 ±0.21	3.36 ±0.19	3.34 ±0.28	3.41 ±0.35	3.49 ±0.27	3.35 ±0.24	3.28 ±0.24
설도	5.25 ±0.31	5.32 ±0.28	5.28 ±0.38	5.34 ±0.49	5.57 ±0.36	5.31 ±0.30	5.19 ±0.34
양지	6.09 ±0.39	5.97 ±0.39	5.76 ±0.42	6.02 ±0.43	5.88 ±0.34	5.98 ±0.44	5.87 ±0.43
사태	2.26 ±0.14	2.30 ±0.14	2.31 ±0.17	2.42 ±0.23	2.44 ±0.14	2.34 ±0.17	2.24 ±0.15
갈비	8.02 ±0.74	7.90 ±0.80	7.73 ±0.51	7.75 ±0.57	7.63 ±0.41	7.98 ±0.69	7.77 ±0.71

*평균±표준편차

표 96 도체등급에 따른 한우의 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중 (kg)	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
거래정육중 (대분할, kg)	308.09 ±31.11	281.11 ±40.85	263.22 ±40.02	256.45 ±49.47	261.12 ±58.36	269.14 ±57.89	262.05 ±50.76	271.42 ±38.52
안심	1.67 ±0.10	1.72 ±0.14	1.71 ±0.14	1.75 ±0.14	1.81 ±0.13	1.81 ±0.12	1.76 ±0.14	1.67 ±0.13
등심	8.03 ±0.62	8.13 ±0.60	7.92 ±0.70	8.00 ±0.77	8.59 ±0.88	8.75 ±0.77	8.06 ±0.58	7.76 ±0.68
채끝	2.40 ±0.18	2.31 ±0.19	2.25 ±0.21	2.28 ±0.18	2.31 ±0.18	2.32 ±0.19	2.32 ±0.18	2.24 ±0.20
목심	4.58 ±0.46	4.56 ±0.47	4.36 ±0.49	4.64 ±1.03	6.04 ±1.57	5.94 ±1.52	4.65 ±0.76	4.33 ±0.60
앞다리	5.92 ±0.51	6.10 ±0.43	6.09 ±0.55	6.21 ±0.66	6.86 ±0.66	6.88 ±0.55	6.32 ±0.57	5.83 ±0.46
우둔	5.16 ±0.36	5.39 ±0.38	5.49 ±0.53	5.85 ±0.55	6.23 ±0.52	6.17 ±0.50	5.74 ±0.56	5.36 ±0.49
설도	8.24 ±0.51	8.54 ±0.56	8.62 ±0.71	9.00 ±0.80	9.37 ±0.70	9.44 ±0.61	8.90 ±0.70	8.35 ±0.62
양지	9.55 ±0.53	9.47 ±0.58	9.30 ±0.63	9.48 ±0.72	9.97 ±0.77	9.96 ±0.70	9.54 ±0.67	9.27 ±0.64
사태	3.54 ±0.26	3.65 ±0.28	3.74 ±0.31	3.92 ±0.34	4.21 ±0.36	4.17 ±0.30	3.91 ±0.37	3.60 ±0.28
갈비	12.88 ±1.47	12.61 ±1.21	12.65 ±1.01	12.73 ±1.09	12.54 ±0.84	12.48 ±0.69	12.76 ±1.10	12.68 ±1.27

*평균±표준편차

표 97 도체등급에 따른 한우 암소의 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중 (kg)	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
거래정육중 (대분할, kg)	289.06 ±28.59	240.07 ±28.79	245.81 ±33.87	236.81 ±39.06	222.24 ±28.29	217.74 ±24.67	230.19 ±37.63	250.89 ±32.38
안심	1.60 ±0.09	1.75 ±0.17	1.74 ±0.14	1.77 ±0.14	1.85 ±0.15	1.90 ±0.13	1.81 ±0.12	1.68 ±0.13
등심	7.75 ±0.24	8.06 ±0.74	7.96 ±0.66	7.86 ±0.56	7.84 ±0.60	8.31 ±0.53	7.91 ±0.50	7.68 ±0.64
채끝	2.52 ±0.02	2.47 ±0.20	2.38 ±0.17	2.33 ±0.17	2.41 ±0.16	2.45 ±0.18	2.39 ±0.16	2.35 ±0.18
목심	4.22 ±0.16	4.24 ±0.49	4.28 ±0.50	4.27 ±0.52	4.42 ±0.56	4.53 ±0.54	4.37 ±0.48	4.14 ±0.48
앞다리	5.41 ±0.22	5.88 ±0.44	5.92 ±0.55	5.99 ±0.46	6.28 ±0.47	6.42 ±0.36	6.20 ±0.44	5.69 ±0.39
우둔	5.10 ±0.33	5.50 ±0.53	5.66 ±0.53	5.89 ±0.51	6.23 ±0.46	6.33 ±0.38	6.02 ±0.45	5.52 ±0.52
설도	7.80 ±0.14	8.70 ±0.70	8.76 ±0.70	9.00 ±0.75	9.26 ±0.76	9.50 ±0.65	9.20 ±0.65	8.48 ±0.64
양지	9.08 ±0.50	9.36 ±0.63	9.27 ±0.57	9.25 ±0.60	9.45 ±0.61	9.54 ±0.60	9.30 ±0.51	9.22 ±0.64
사태	3.30 ±0.11	3.60 ±0.31	3.75 ±0.32	3.87 ±0.31	4.07 ±0.32	4.12 ±0.28	3.96 ±0.31	3.63 ±0.29
갈비	14.07 ±2.36	12.73 ±1.34	12.91 ±1.33	12.83 ±1.16	12.63 ±1.06	12.45 ±0.80	12.74 ±1.17	13.04 ±1.41

*평균±표준편차

표 98 도체등급에 따른 한우 수소의 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중 (kg)	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
거래정육중 (대분할, kg)	294.48 ±57.22	287.28 ±58.95	295.80 ±52.79	260.88 ±78.35	207.54 ±4.45
안심	1.72 ±0.09	1.79 ±0.11	1.78 ±0.10	1.75 ±0.19	1.76 ±0.03
등심	8.93 ±1.08	9.09 ±0.67	9.11 ±0.76	8.62 ±0.49	9.38 ±0.14
채끝	2.20 ±0.14	2.24 ±0.16	2.24 ±0.16	2.18 ±0.12	2.21 ±0.11
목심	6.36 ±1.23	7.13 ±0.97	7.08 ±1.08	6.61 ±0.84	6.55 ±0.50
앞다리	6.88 ±0.74	7.25 ±0.46	7.19 ±0.48	7.21 ±0.84	7.28 ±0.31
우둔	6.13 ±0.47	6.24 ±0.56	6.26 ±0.49	6.10 ±0.79	5.76 ±0.80
설도	9.45 ±0.60	9.45 ±0.65	9.51 ±0.57	9.24 ±0.89	8.58 ±0.92
양지	10.11 ±0.52	10.32 ±0.68	10.28 ±0.67	10.32 ±0.69	10.30 ±0.08
사태	4.12 ±0.26	4.31 ±0.36	4.26 ±0.31	4.40 ±0.59	4.28 ±0.15
갈비	12.50 ±0.82	12.48 ±0.65	12.47 ±0.67	12.31 ±0.63	13.41 ±0.08

*평균±표준편차

표 99 도체등급에 따른 한우 거세우의 냉도체중 대비 대분할 10개 부위 생산율(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중 (kg)	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
거래정육중 (대분할, kg)	311.10 ±31.12	295.43 ±34.30	271.67 ±39.18	291.31 ±40.31	266.65 ±57.07	292.81 ±36.29	292.60 ±29.82
안심	1.68 ±0.10	1.71 ±0.13	1.69 ±0.14	1.73 ±0.17	1.78 ±0.11	1.71 ±0.13	1.65 ±0.13
등심	8.08 ±0.65	8.15 ±0.55	7.87 ±0.71	7.81 ±0.69	8.38 ±0.54	8.10 ±0.60	7.75 ±0.65
채끝	2.38 ±0.19	2.25 ±0.16	2.19 ±0.19	2.16 ±0.17	2.36 ±0.18	2.28 ±0.18	2.14 ±0.16
목심	4.64 ±0.46	4.67 ±0.42	4.42 ±0.47	4.64 ±0.92	4.80 ±0.76	4.60 ±0.42	4.46 ±0.51
앞다리	6.00 ±0.50	6.18 ±0.41	6.18 ±0.52	6.45 ±0.77	6.70 ±0.41	6.28 ±0.50	5.91 ±0.40
우둔	5.17 ±0.37	5.36 ±0.32	5.40 ±0.52	5.55 ±0.64	5.75 ±0.46	5.41 ±0.42	5.19 ±0.40
설도	8.31 ±0.51	8.48 ±0.49	8.53 ±0.73	8.68 ±0.95	9.16 ±0.58	8.55 ±0.57	8.20 ±0.56
양지	9.63 ±0.51	9.50 ±0.57	9.31 ±0.66	9.78 ±0.86	9.67 ±0.46	9.63 ±0.69	9.28 ±0.62
사태	3.57 ±0.25	3.66 ±0.27	3.74 ±0.32	3.93 ±0.43	4.01 ±0.24	3.78 ±0.31	3.54 ±0.24
갈비	12.70 ±1.27	12.56 ±1.17	12.47 ±0.72	12.58 ±1.01	12.55 ±0.60	12.86 ±1.08	12.28 ±1.01

*평균±표준편차

여 백

소분할 부분육 생산

1) 출하체중에 따른 소분할 부분육 생산량

표 100 한우 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간 (kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
거래정육중 (소분할)	159.65 ±20.06	164.38 ±17.96	173.20 ±10.62	191.98 ±14.23	208.32 ±17.21	225.65 ±15.34	242.94 ±20.79	259.63 ±20.11	280.07 ±21.69	308.65 ±26.72	307.47 ±23.35	233.99 ±44.63
안심살	4.99 ±0.31	5.35 ±0.47	5.58 ±0.45	6.06 ±0.39	6.57 ±0.55	7.05 ±0.44	7.55 ±0.52	7.93 ±0.48	8.54 ±0.64	9.20 ±0.57	9.25 ±0.82	7.25 ±1.22
윗등심살	10.21 ±2.46	10.17 ±1.57	11.10 ±1.27	12.58 ±1.56	13.98 ±2.23	14.87 ±1.70	16.51 ±2.63	17.83 ±2.14	19.06 ±2.10	21.28 ±2.88	19.51 ±1.63	15.69 ±3.63
꽃등심살	6.70 ±0.38	7.30 ±1.04	7.68 ±0.90	8.54 ±0.92	9.14 ±0.95	10.00 ±1.07	10.49 ±1.17	11.39 ±1.17	12.02 ±1.32	13.57 ±1.43	13.55 ±1.88	10.25 ±2.06
아래등심살	4.39 ±0.24	5.33 ±0.55	5.42 ±0.70	6.21 ±0.52	6.72 ±0.64	7.31 ±0.83	7.56 ±0.87	8.11 ±0.86	8.66 ±1.21	9.25 ±0.82	9.19 ±1.22	7.34 ±1.41
살치살	2.49 ±0.36	2.87 ±0.32	2.92 ±0.47	3.46 ±0.43	3.83 ±0.64	4.07 ±0.67	4.43 ±0.74	4.64 ±0.68	5.09 ±0.72	5.51 ±0.92	5.47 ±1.00	4.21 ±1.00
채끝살	5.65 ±0.48	6.96 ±0.79	7.14 ±0.44	8.02 ±0.60	8.84 ±0.78	9.40 ±0.82	9.86 ±0.93	10.50 ±0.93	10.87 ±1.00	12.14 ±1.23	12.61 ±1.11	9.54 ±1.71
목심살	16.00 ±4.72	12.99 ±4.69	14.31 ±2.64	16.19 ±3.62	17.92 ±4.20	19.74 ±3.66	21.84 ±5.84	23.43 ±5.56	26.19 ±7.12	30.61 ±9.41	25.38 ±4.82	20.83 ±6.90
꾸리살	2.29 ±0.08	2.24 ±0.28	2.49 ±0.24	2.72 ±0.28	2.80 ±0.29	3.03 ±0.25	3.29 ±0.31	3.46 ±0.31	3.81 ±0.44	4.10 ±0.47	4.25 ±0.46	3.18 ±0.61
부채살	3.28 ±0.19	3.48 ±0.36	3.53 ±0.36	3.91 ±0.30	4.20 ±0.46	4.49 ±0.52	4.97 ±0.49	5.30 ±0.47	5.85 ±0.64	5.95 ±0.70	6.34 ±0.75	4.75 ±0.95
앞다리살	9.54 ±1.45	8.94 ±1.33	9.58 ±0.96	10.55 ±1.33	11.37 ±1.46	12.35 ±1.09	13.53 ±1.58	14.32 ±1.50	15.95 ±1.77	17.44 ±2.40	17.53 ±1.65	12.99 ±2.82
갈비덧살	1.82 ±0.42	1.71 ±0.30	1.71 ±0.32	1.94 ±0.39	2.01 ±0.43	2.14 ±0.48	2.31 ±0.47	2.49 ±0.50	2.84 ±0.61	2.83 ±0.58	2.95 ±0.53	2.27 ±0.60
부채덮개살	1.93 ±0.29	1.79 ±0.29	1.90 ±0.27	2.14 ±0.31	2.19 ±0.39	2.35 ±0.29	2.57 ±0.50	2.61 ±0.52	2.99 ±0.64	3.33 ±0.77	3.17 ±0.48	2.47 ±0.61
우둔살	13.04 ±2.04	14.38 ±1.15	14.74 ±1.48	16.14 ±1.20	17.13 ±1.33	18.09 ±1.58	19.15 ±1.71	20.33 ±1.91	21.73 ±1.90	23.40 ±2.01	23.84 ±2.38	18.70 ±3.09
홍두깨살	3.46 ±0.90	3.52 ±0.50	3.46 ±0.52	3.86 ±0.46	4.15 ±0.53	4.52 ±0.68	4.63 ±0.63	4.93 ±0.63	5.34 ±0.81	5.81 ±0.79	5.99 ±0.88	4.56 ±0.93
보섭살	7.61 ±1.35	8.24 ±0.71	8.52 ±0.76	9.58 ±0.71	10.16 ±0.75	10.72 ±0.90	11.51 ±1.06	12.11 ±1.04	13.23 ±1.30	14.40 ±1.34	14.47 ±1.27	11.17 ±1.98
설깃살	8.89 ±1.51	9.65 ±1.10	9.95 ±0.98	11.14 ±0.96	12.22 ±0.94	13.13 ±0.94	13.93 ±1.19	14.73 ±1.42	15.98 ±1.51	17.50 ±1.49	17.25 ±1.91	13.45 ±2.51
설깃머리살	2.73 ±0.54	3.12 ±0.43	3.22 ±0.44	3.65 ±0.39	4.11 ±0.48	4.42 ±0.42	4.75 ±0.49	5.00 ±0.56	5.40 ±0.64	5.96 ±0.71	6.13 ±0.72	4.53 ±0.96

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
도가니살	8.03 ±0.91	8.38 ±0.64	8.77 ±0.76	9.63 ±0.93	10.02 ±0.76	10.78± 0.69	11.58 ±0.95	12.37 ±0.96	13.35 ±1.03	13.95 ±0.97	14.63 ±1.48	11.23 ±1.91
삼각살	1.90 ±0.41	1.88 ±0.19	2.11 ±0.27	2.32 ±0.21	2.48 ±0.25	2.70 ±0.25	2.87 ±0.32	3.01 ±0.31	3.21 ±0.39	3.71 ±0.37	3.59 ±0.42	2.76 ±0.54
양지머리	12.41 ±2.39	12.08 ±1.67	13.54 ±1.28	14.45 ±1.67	15.70 ±2.10	17.02 ±2.06	18.79 ±2.81	19.52 ±3.01	21.62 ±3.61	25.27 ±3.87	26.78 ±4.02	18.02 ±4.45
차돌박이	3.75 ±0.59	5.29 ±0.82	5.58 ±0.87	6.07 ±1.03	6.37 ±0.92	6.72 ±0.96	7.21 ±1.19	7.49 ±1.09	7.42 ±1.19	8.55 ±1.77	9.74 ±2.00	6.90 ±1.49
업진살	5.98 ±1.24	6.94 ±0.94	7.13 ±0.66	7.91 ±0.88	8.83 ±1.05	9.89 ±1.34	10.07 ±1.20	11.48 ±1.58	11.68 ±1.51	12.85 ±1.73	12.61 ±1.69	9.90 ±2.18
업진안살	1.15 ±0.30	1.28 ±0.15	1.28 ±0.18	1.51 ±0.18	1.61 ±0.23	1.74 ±0.28	1.75 ±0.31	1.89 ±0.40	2.01 ±0.34	2.20 ±0.46	2.22 ±0.40	1.74 ±0.40
치마양지	7.46 ±0.73	7.94 ±0.89	8.51 ±0.85	9.48 ±0.76	10.58 ±1.21	12.11 ±1.18	12.93 ±1.40	14.12 ±1.52	14.41 ±1.56	16.05 ±1.72	16.65 ±1.73	12.19 ±2.73
치마살	2.26 ±0.33	2.51 ±0.27	2.66 ±0.20	3.00 ±0.24	3.28 ±0.34	3.65 ±0.31	4.02 ±0.35	4.35 ±0.48	4.52 ±0.56	4.93 ±0.71	5.06 ±0.59	3.77 ±0.83
앞치마살	1.66 ±0.22	1.80 ±0.30	1.83 ±0.26	2.02 ±0.22	2.24 ±0.35	2.63 ±0.37	2.73 ±0.33	3.03 ±0.37	3.18 ±0.38	3.60 ±0.53	3.54 ±0.60	2.63 ±0.64
앞사태	5.91 ±0.53	5.54 ±0.48	5.82 ±0.65	6.15 ±0.53	6.67 ±0.66	7.16 ±0.55	7.76 ±0.73	8.22 ±0.69	8.89 ±0.88	9.27 ±0.93	10.05 ±1.15	7.47 ±1.36
뒷사태	6.48 ±0.61	6.75 ±0.67	6.83 ±0.75	7.44 ±0.63	7.83 ±0.77	8.36 ±0.72	8.86 ±0.74	9.34 ±0.85	10.10 ±0.90	10.71 ±0.91	10.92 ±0.91	8.63 ±1.42
뭉치사태	3.13 ±0.38	3.36 ±0.39	3.34 ±0.39	3.68 ±0.35	3.85 ±0.38	4.21 ±0.43	4.37 ±0.42	4.57 ±0.45	4.95 ±0.51	5.24 ±0.47	5.19 ±0.48	4.24 ±0.70
아롱사태	0.55 ±0.05	0.54 ±0.08	0.54 ±0.07	0.60 ±0.09	0.63 ±0.10	0.68 ±0.07	0.72 ±0.08	0.78 ±0.10	0.84 ±0.10	0.86 ±0.09	0.84 ±0.10	0.70 ±0.13
상박살	0.99 ±0.09	0.94 ±0.08	0.98 ±0.13	1.07 ±0.12	1.14 ±0.12	1.25 ±0.11	1.35 ±0.16	1.43 ±0.14	1.60 ±0.16	1.65 ±0.20	1.75 ±0.15	1.30 ±0.26
본갈비	5.01 ±0.56	4.81 ±0.61	5.08 ±0.67	5.65 ±0.67	5.95 ±0.91	6.70 ±0.73	7.10 ±1.01	7.74 ±1.05	8.42 ±0.88	9.48 ±1.15	9.60 ±1.29	6.93 ±1.60
꽃갈비	6.71 ±0.47	6.92 ±0.50	7.40 ±0.53	8.24 ±0.62	8.79 ±0.95	9.61 ±0.90	10.55 ±0.90	11.42 ±0.98	12.09 ±0.94	13.75 ±1.20	14.56 ±1.00	10.14 ±2.15
참갈비	5.75 ±0.46	6.23 ±0.79	6.49 ±0.77	7.17 ±0.84	8.37 ±1.07	8.76 ±1.11	9.97 ±1.41	10.69 ±1.06	11.60 ±1.34	12.33 ±2.50	12.83 ±1.99	9.38 ±2.26
갈비살	11.29 ±1.01	12.18 ±1.22	12.88 ±1.28	14.45 ±1.50	16.17 ±1.74	17.73 ±1.92	19.63 ±1.94	21.32 ±1.76	22.79 ±1.66	25.26 ±3.06	26.13 ±2.37	18.62 ±4.27
마구리	6.78 ±0.86	6.43 ±0.83	7.20 ±1.29	8.08 ±1.32	7.60 ±1.42	7.81 ±1.20	8.47 ±1.53	8.95 ±1.79	9.76 ±2.09	10.73 ±1.90	12.01 ±3.32	8.49 ±2.01
토시살	0.61 ±0.04	0.72 ±0.10	0.74 ±0.09	0.83 ±0.08	0.88 ±0.09	0.97 ±0.10	1.03 ±0.11	1.11 ±0.13	1.19 ±0.12	1.30 ±0.12	1.31 ±0.16	1.00 ±0.20
안창살	1.02 ±0.04	1.19 ±0.20	1.20 ±0.18	1.32 ±0.15	1.46 ±0.16	1.61 ±0.17	1.71 ±0.19	1.81 ±0.22	1.92 ±0.20	2.06 ±0.24	2.11 ±0.20	1.63 ±0.33
제비추리	0.68 ±0.08	0.59 ±0.10	0.66 ±0.11	0.75 ±0.11	0.80 ±0.16	0.82 ±0.14	0.88 ±0.19	0.90 ±0.15	1.06 ±0.19	1.13 ±0.27	1.03 ±0.17	0.86 ±0.21

*평균±표준편차

표 101 한우 암소 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
거래정육중(소분할)	157.66 ±13.43	169.60 ±9.68	187.36 ±11.71	199.70 ±9.73	219.39 ±13.13	230.71 ±12.25	244.81 ±11.16	286.35 ±24.20	204.44 ±30.50
안심살	5.26 ±0.44	5.68 ±0.52	6.09 ±0.39	6.46 ±0.47	7.07 ±0.46	7.55 ±0.52	7.67 ±0.35	8.78 ±0.52	6.62 ±0.92
윗등심살	9.43 ±0.96	10.49 ±0.84	12.07 ±1.17	12.97 ±1.40	14.15 ±1.45	14.95 ±1.87	15.73 ±0.97	18.24 ±1.19	13.11 ±2.34
꽃등심살	7.04 ±0.98	7.26 ±0.81	8.23 ±0.79	8.77 ±0.84	9.58 ±0.94	10.27 ±0.88	10.76 ±0.81	12.37 ±1.21	8.97 ±1.51
아래등심살	5.17 ±0.63	5.40 ±0.77	6.18 ±0.62	6.66 ±0.58	7.08 ±0.55	7.62 ±0.93	7.95 ±0.68	8.54 ±1.59	6.68 ±1.10
살치살	2.67 ±0.25	2.88 ±0.49	3.44 ±0.47	3.69 ±0.59	4.00 ±0.67	4.27 ±0.75	4.29 ±0.64	5.04 ±0.61	3.70 ±0.79
채끝살	6.87 ±0.98	7.27 ±0.46	8.08 ±0.67	8.92 ±0.77	9.49 ±0.86	10.04 ±0.87	10.69 ±0.59	12.05 ±1.83	8.92 ±1.44
목심살	11.69 ±1.33	13.40 ±1.98	14.68 ±1.90	15.67 ±1.72	17.86 ±1.31	18.07 ±2.98	19.20 ±2.73	23.65 ±1.62	16.13 ±3.12
꾸리살	2.16 ±0.22	2.40 ±0.20	2.63 ±0.28	2.67 ±0.24	2.95 ±0.21	3.20 ±0.36	3.43 ±0.29	3.88 ±0.22	2.80 ±0.46
부채살	3.34 ±0.31	3.45 ±0.34	3.88 ±0.27	4.03 ±0.43	4.27 ±0.53	4.68 ±0.39	5.07 ±0.28	5.93 ±0.66	4.15 ±0.68
앞다리살	8.42 ±0.86	9.08 ±0.74	9.93 ±0.84	10.62 ±0.93	11.84 ±0.78	12.37 ±0.82	12.94 ±0.51	15.43 ±1.22	10.91 ±1.73
갈비덧살	1.61 ±0.23	1.66 ±0.33	1.79 ±0.33	1.88 ±0.42	1.94 ±0.44	1.98 ±0.34	2.35 ±0.38	2.66 ±0.36	1.91 ±0.43
부채덮개살	1.67 ±0.17	1.81 ±0.22	2.02 ±0.20	2.02 ±0.20	2.23 ±0.21	2.38 ±0.33	2.34 ±0.15	2.81 ±0.46	2.10 ±0.32
우둔살	14.07 ±1.08	14.71 ±1.15	16.17 ±1.22	16.83 ±1.14	18.33 ±1.69	19.08 ±1.39	19.72 ±1.72	23.74 ±3.81	17.24 ±2.45
홍두깨살	3.29 ±0.45	3.45 ±0.58	3.82 ±0.38	3.97 ±0.38	4.64 ±0.73	4.56 ±0.36	4.99 ±0.69	6.06 ±0.65	4.16 ±0.78
보섭살	8.09 ±0.60	8.68 ±0.70	9.61 ±0.74	9.94 ±0.53	10.66 ±0.91	11.50 ±0.68	11.64 ±0.78	14.36 ±1.58	10.19 ±1.44
설깃살	9.31 ±0.94	9.93 ±0.91	11.08 ±0.92	11.96 ±0.73	13.20 ±0.98	13.83 ±0.69	14.12 ±1.09	16.98 ±2.30	12.15 ±1.92
설깃머리살	3.05 ±0.45	3.16 ±0.44	3.66 ±0.41	3.99 ±0.45	4.47 ±0.44	4.66 ±0.39	4.76 ±0.53	5.91 ±0.63	4.06 ±0.77
도가니살	8.24 ±0.51	8.65 ±0.65	9.52 ±1.03	9.72 ±0.56	10.70 ±0.71	11.41 ±0.90	11.83 ±1.09	13.84 ±1.42	10.11 ±1.45

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
삼각살	1.86 ±0.18	2.22 ±0.24	2.34 ±0.21	2.40 ±0.20	2.69 ±0.22	2.86 ±0.28	2.90 ±0.21	3.71 ±0.36	2.51 ±0.41
양지머리	11.37 ±1.56	13.15 ±1.32	13.80 ±1.42	14.99 ±1.42	16.35 ±2.02	17.22 ±1.60	18.03 ±1.92	22.11 ±4.69	15.27 ±2.74
차돌박이	5.17 ±0.89	5.56 ±1.05	5.96 ±1.08	6.26 ±1.01	6.75 ±1.15	6.81 ±0.99	7.71 ±0.89	8.96 ±1.99	6.40 ±1.30
업진살	6.63 ±1.12	7.20 ±0.69	8.06 ±0.76	8.73 ±1.19	9.50 ±1.34	9.80 ±1.32	12.13 ±1.56	11.68 ±1.13	8.92 ±1.82
업진안살	1.23 ±0.18	1.33 ±0.15	1.55 ±0.17	1.62 ±0.24	1.75 ±0.32	1.78 ±0.32	2.06 ±0.39	2.18 ±0.34	1.64 ±0.34
치마양지	7.69 ±0.93	8.39 ±1.04	9.49 ±0.78	10.50 ±1.27	11.97 ±1.17	12.73 ±1.41	13.12 ±1.25	15.07 ±2.23	10.75 ±2.15
치마살	2.46 ±0.28	2.65 ±0.23	2.97 ±0.20	3.19 ±0.28	3.55 ±0.26	3.87 ±0.25	4.12 ±0.48	4.98 ±0.42	3.31 ±0.62
앞치마살	1.73 ±0.31	1.78 ±0.28	2.02 ±0.20	2.19 ±0.38	2.62 ±0.42	2.70 ±0.42	3.00 ±0.28	3.10 ±0.41	2.30 ±0.53
앞사태	5.37 ±0.40	5.52 ±0.59	5.99 ±0.51	6.33 ±0.46	6.98 ±0.55	7.22 ±0.39	7.95 ±0.64	9.87 ±0.86	6.56 ±1.06
뒷사태	6.61 ±0.62	6.54 ±0.67	7.36 ±0.60	7.49 ±0.49	8.31 ±0.75	8.67 ±0.64	9.04 ±0.64	10.62 ±1.07	7.79 ±1.10
뭉치사태	3.29 ±0.35	3.24 ±0.39	3.67 ±0.35	3.69 ±0.26	4.20 ±0.44	4.35 ±0.38	4.38 ±0.38	5.08 ±0.52	3.87 ±0.56
아롱사태	0.54 ±0.08	0.51 ±0.07	0.58 ±0.09	0.58 ±0.07	0.66 ±0.06	0.70 ±0.09	0.71 ±0.10	0.84 ±0.09	0.62 ±0.11
상박살	0.91 ±0.07	0.91 ±0.13	1.04 ±0.11	1.10 ±0.10	1.24 ±0.10	1.28 ±0.12	1.38 ±0.10	1.67 ±0.15	1.14 ±0.20
본갈비	4.64 ±0.51	4.87 ±0.54	5.33 ±0.52	5.45 ±0.66	6.28 ±0.59	6.38 ±0.59	7.05 ±0.92	9.61 ±0.41	5.81 ±1.13
꽃갈비	6.74 ±0.36	7.29 ±0.48	8.13 ±0.58	8.36 ±0.80	9.27 ±0.90	10.01 ±0.66	11.15 ±1.16	13.80 ±0.78	8.82 ±1.63
참갈비	5.96 ±0.54	6.69 ±0.86	6.92 ±0.69	8.19 ±1.15	8.35 ±0.94	9.06 ±0.78	10.60 ±0.94	11.18 ±1.01	8.07 ±1.58
갈비살	11.85 ±1.09	12.86 ±1.50	14.03 ±1.34	15.47 ±1.61	16.96 ±1.77	18.03 ±1.28	20.43 ±2.12	23.55 ±1.02	15.87 ±3.04
마구리	6.32 ±0.90	6.84 ±1.24	8.16 ±1.58	7.24 ±1.54	7.49 ±1.30	8.47 ±1.86	9.46 ±1.88	12.60 ±4.39	7.81 ±1.99
토시살	0.71 ±0.10	0.74 ±0.11	0.81 ±0.08	0.88 ±0.09	0.96 ±0.11	1.02 ±0.14	1.05 ±0.12	1.22 ±0.07	0.89 ±0.15
안창살	1.20 ±0.18	1.26 ±0.20	1.32 ±0.14	1.47 ±0.16	1.62 ±0.17	1.72 ±0.24	1.80 ±0.18	1.97 ±0.20	1.50 ±0.27
제비추리	0.57 ±0.06	0.62 ±0.09	0.71 ±0.09	0.74 ±0.10	0.78 ±0.13	0.82 ±0.15	0.85 ±0.08	0.97 ±0.17	0.74 ±0.13

*평균±표준편차

표 102 한우 수소 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중	180.08 ±17.14	210.06 ±9.76	229.71 ±18.74	244.83 ±10.70	270.06 ±21.58	293.87 ±14.63	307.46 ±17.28	332.60 ±24.60	258.52 ±52.42
거래정육중(소분할)	202.46 ±18.20	235.56 ±10.18	257.58 ±16.82	274.83 ±9.95	303.30 ±19.94	330.47 ±15.00	342.07 ±16.49	373.95 ±23.18	290.02 ±57.82
안심살	5.29 ±0.38	6.17 ±0.30	6.63 ±0.50	7.17 ±0.42	7.71 ±0.61	8.09 ±0.35	8.21 ±0.67	9.27 ±0.64	7.32 ±1.32
윗등심살	12.29 ±1.71	14.44 ±1.65	16.80 ±2.51	16.67 ±1.15	19.60 ±2.82	20.16 ±1.99	21.52 ±1.46	23.46 ±2.38	18.18 ±4.08
꽃등심살	8.13 ±1.00	9.38 ±0.56	10.06 ±0.75	11.05 ±0.88	11.54 ±1.10	12.36 ±0.68	12.74 ±0.94	14.38 ±1.95	11.20 ±2.19
아래등심살	5.25 ±0.85	6.32 ±0.20	6.89 ±0.84	7.28 ±0.84	7.70 ±0.73	8.48 ±0.59	8.66 ±0.44	9.84 ±0.77	7.55 ±1.55
살치살	2.84 ±0.44	3.57 ±0.37	4.26 ±0.72	4.06 ±0.53	4.85 ±0.93	4.57 ±0.76	5.04 ±0.67	6.03 ±0.96	4.43 ±1.16
채끝살	6.50 ±0.68	7.82 ±0.36	8.30 ±0.66	9.14 ±0.95	9.56 ±0.87	10.64 ±0.84	10.62 ±0.83	11.31 ±0.60	9.21 ±1.72
목심살	18.63 ±3.77	22.18 ±2.94	24.47 ±4.42	26.89 ±1.19	31.43 ±4.90	34.22 ±4.22	38.07 ±4.66	38.05 ±9.04	29.18 ±8.42
꾸리살	2.61 ±0.26	2.95 ±0.23	3.10 ±0.28	3.18 ±0.21	3.53 ±0.29	3.83 ±0.32	4.19 ±0.29	4.42 ±0.35	3.47 ±0.66
부채살	3.53 ±0.24	4.08 ±0.34	4.45 ±0.44	4.65 ±0.15	5.20 ±0.62	5.33 ±0.33	5.89 ±0.36	6.11 ±0.64	4.90 ±0.94
앞다리살	10.75 ±0.75	12.48 ±1.01	13.41 ±1.29	13.93 ±0.44	15.71 ±1.38	16.66 ±1.17	17.94 ±1.67	19.32 ±1.96	15.03 ±3.04
갈비덧살	1.95 ±0.35	2.31 ±0.35	2.34 ±0.39	2.53 ±0.42	2.56 ±0.49	2.88 ±0.80	3.13 ±0.49	3.15 ±0.46	2.59 ±0.61
부채덮개살	2.16 ±0.18	2.61 ±0.25	2.69 ±0.53	2.77 ±0.26	3.25 ±0.62	3.57 ±0.44	3.99 ±0.47	4.01 ±0.61	3.13 ±0.78
우둔살	14.69 ±2.37	16.73 ±1.02	18.08 ±1.51	18.87 ±1.06	20.60 ±2.06	23.28 ±1.71	23.57 ±1.44	24.63 ±1.81	20.05 ±3.77
홍두깨살	3.73 ±0.61	4.30 ±0.50	4.73 ±0.63	4.88 ±0.45	5.38 ±0.83	5.77 ±0.60	6.25 ±0.89	6.42 ±0.86	5.18 ±1.11
보섭살	8.27 ±1.22	9.80 ±0.61	10.81 ±1.00	11.46 ±0.94	12.37 ±1.28	13.69 ±0.94	14.52 ±1.01	15.30 ±1.23	12.02 ±2.51
설깃살	9.96 ±1.56	11.77 ±0.94	12.85 ±1.25	13.54 ±1.08	14.69 ±1.38	16.87 ±0.96	17.46 ±1.06	18.67 ±1.52	14.46 ±3.11
설깃머리살	3.25 ±0.60	3.85 ±0.28	4.22 ±0.55	4.45 ±0.27	4.97 ±0.51	5.38 ±0.36	5.79 ±0.53	5.96 ±0.80	4.73 ±1.04
도가니살	8.52 ±1.11	9.94 ±0.89	10.60 ±0.76	11.28 ±0.56	11.98 ±0.72	13.56 ±0.61	13.22 ±0.94	14.53 ±1.29	11.69 ±2.12

구분	출하체중구간 (kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
삼각살	1.97 ±0.28	2.34 ±0.23	2.64 ±0.27	2.89 ±0.20	3.14 ±0.40	3.33 ±0.31	3.52 ±0.44	3.79 ±0.36	2.95 ±0.66
양지머리	14.36 ±1.14	16.08 ±1.33	17.91 ±2.48	19.12 ±1.34	22.21 ±2.41	23.80 ±2.57	25.75 ±3.84	28.70 ±3.20	21.02 ±5.29
차돌박이	4.90 ±1.14	6.29 ±1.03	6.34 ±0.72	6.77 ±0.65	7.75 ±0.83	8.00 ±0.60	7.68 ±1.21	8.51 ±0.90	7.02 ±1.43
업진살	6.74 ±0.97	7.85 ±0.52	8.88 ±0.86	9.93 ±0.86	10.13 ±1.08	10.97 ±1.31	10.93 ±0.95	12.69 ±1.00	9.76 ±2.04
업진안살	1.28 ±0.22	1.56 ±0.09	1.73 ±0.19	1.85 ±0.29	1.94 ±0.21	2.21 ±0.31	2.26 ±0.39	2.42 ±0.37	1.90 ±0.45
치마양지	8.17 ±0.59	9.70 ±0.68	10.54 ±0.79	12.43 ±1.09	12.48 ±1.11	13.24 ±1.81	13.89 ±0.79	16.08 ±2.03	12.04 ±2.69
치마살	2.50 ±0.31	3.17 ±0.30	3.33 ±0.27	3.82 ±0.38	4.00 ±0.45	4.29 ±0.60	4.48 ±0.29	5.09 ±0.54	3.83 ±0.88
앞치마살	1.80 ±0.16	2.11 ±0.28	2.27 ±0.15	2.61 ±0.25	2.68 ±0.24	2.85 ±0.35	3.18 ±0.29	3.37 ±0.40	2.60 ±0.57
앞사태	6.32 ±0.29	6.64 ±0.33	7.42 ±0.63	7.63 ±0.40	8.49 ±0.62	9.21 ±0.59	9.48 ±0.73	10.11 ±1.16	8.17 ±1.45
뒷사태	7.15 ±0.84	8.04 ±0.27	8.66 ±0.79	8.91 ±0.73	9.40 ±0.75	10.64 ±0.44	11.01 ±0.74	11.29 ±1.13	9.38 ±1.58
뭉치사태	3.48 ±0.49	3.97 ±0.09	4.29 ±0.36	4.48 ±0.43	4.63 ±0.48	5.22 ±0.31	5.44 ±0.43	5.51 ±0.51	4.62 ±0.79
아롱사태	0.56 ±0.06	0.69 ±0.04	0.71 ±0.10	0.73 ±0.10	0.77 ±0.08	0.85 ±0.08	0.85 ±0.09	0.87 ±0.10	0.75 ±0.13
상박살	1.08 ±0.06	1.17 ±0.06	1.26 ±0.11	1.31 ±0.12	1.49 ±0.21	1.63 ±0.12	1.74 ±0.14	1.74 ±0.16	1.43 ±0.27
본갈비	5.56 ±0.69	6.33 ±0.43	6.80 ±0.70	7.21 ±0.25	8.21 ±1.22	9.30 ±1.05	9.11 ±0.58	10.37 ±1.28	7.87 ±1.80
꽃갈비	7.45 ±0.73	8.57 ±0.85	9.28 ±0.79	9.87 ±0.43	11.21 ±1.10	11.80 ±0.35	11.90 ±0.86	13.87 ±1.40	10.51 ±2.18
참갈비	6.12 ±0.68	7.74 ±0.83	8.56 ±0.84	8.73 ±0.29	9.89 ±1.37	10.57 ±0.95	10.73 ±0.67	12.97 ±2.04	9.44 ±2.29
갈비살	12.53 ±1.30	15.33 ±1.91	16.81 ±1.39	18.10 ±1.08	20.70 ±2.45	22.41 ±1.00	22.06 ±1.47	26.26 ±3.25	19.30 ±4.64
마구리	7.71 ±1.29	7.80 ±0.50	8.38 ±0.74	8.74 ±0.54	9.38 ±0.67	10.38 ±1.66	10.99 ±1.40	11.24 ±1.58	9.33 ±1.71
토시살	0.72 ±0.09	0.90 ±0.07	0.88 ±0.12	0.94 ±0.05	1.06 ±0.08	1.19 ±0.16	1.19 ±0.10	1.36 ±0.15	1.03 ±0.23
안창살	1.09 ±0.11	1.36 ±0.15	1.43 ±0.17	1.52 ±0.10	1.64 ±0.18	1.92 ±0.37	1.82 ±0.11	1.95 ±0.26	1.59 ±0.35
제비추리	0.76 ±0.10	0.88 ±0.08	0.97 ±0.23	0.98 ±0.06	1.16 ±0.19	1.10 ±0.15	1.36 ±0.11	1.30 ±0.27	1.06 ±0.25

*평균±표준편차

표 103 한우 거세우 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
거래정육중(소분할)	231.16 ±18.78	280.19 ±10.54	299.50 ±13.09	318.07 ±12.10	344.35 ±13.00	362.28 ±13.24	395.43 ±16.56	406.01 ±11.27	334.36 ±46.20
안심살	7.54 ±0.80	8.87 ±0.93	9.44 ±0.70	9.84 ±0.56	10.50 ±0.87	11.10 ±0.76	11.95 ±1.15	12.89 ±0.48	10.33 ±1.47
윗등심살	11.85 ±1.36	14.62 ±1.47	15.53 ±1.62	16.53 ±1.92	18.25 ±1.77	18.80 ±1.65	20.21 ±2.06	19.71 ±1.31	17.35 ±2.78
꽃등심살	8.40 ±1.11	9.70 ±0.79	10.63 ±0.99	10.52 ±1.13	11.69 ±1.26	12.23 ±1.38	13.74 ±1.25	14.03 ±1.52	11.42 ±1.88
아래등심살	5.92 ±0.59	6.91 ±0.69	8.29 ±1.33	7.70 ±0.94	8.34 ±0.98	8.98 ±1.34	9.31 ±0.86	9.50 ±0.92	8.20 ±1.38
살치살	3.56 ±0.42	4.10 ±0.54	4.63 ±0.84	4.75 ±0.63	5.22 ±0.69	5.59 ±0.81	5.66 ±0.80	5.81 ±1.17	5.02 ±0.95
채끝살	9.57 ±1.35	11.95 ±0.85	12.45 ±0.53	13.19 ±1.36	13.99 ±1.22	14.88 ±1.69	17.02 ±2.01	16.47 ±2.58	13.83 ±2.34
목심살	14.98 ±2.20	20.69 ±1.66	21.53 ±2.49	23.16 ±3.00	25.12 ±2.34	25.98 ±3.16	28.89 ±5.24	25.65 ±2.02	23.96 ±4.40
꾸리살	2.76 ±0.27	3.02 ±0.14	3.23 ±0.31	3.34 ±0.27	3.47 ±0.26	3.80 ±0.43	4.05 ±0.49	4.60 ±0.48	3.52 ±0.53
부채살	3.88 ±0.46	4.63 ±0.32	5.03 ±0.46	5.16 ±0.42	5.49 ±0.55	5.95 ±0.72	5.99 ±0.74	6.72 ±0.77	5.41 ±0.85
앞다리살	10.48 ±0.99	12.00 ±0.69	12.80 ±0.99	13.74 ±1.17	14.50 ±1.03	15.83 ±1.41	16.66 ±1.74	18.75 ±0.98	14.42 ±2.25
갈비덧살	2.07 ±0.38	2.20 ±0.38	2.54 ±0.41	2.57 ±0.48	2.60 ±0.43	2.94 ±0.66	2.76 ±0.58	3.47 ±0.56	2.64 ±0.58
부채덮개살	2.05 ±0.28	2.28 ±0.22	2.42 ±0.24	2.48 ±0.26	2.52 ±0.29	2.78 ±0.31	2.95 ±0.41	3.38 ±0.31	2.59 ±0.41
우둔살	14.77 ±1.16	17.41 ±1.42	17.51 ±1.24	19.01 ±1.44	20.17 ±1.19	21.69 ±1.68	23.08 ±1.72	23.47 ±1.80	19.89 ±2.70
홍두깨살	3.54 ±0.38	4.34 ±0.41	4.21 ±0.41	4.60 ±0.43	5.00 ±0.44	5.36 ±0.65	5.80 ±0.61	5.79 ±0.65	4.90 ±0.79
보섭살	8.73 ±0.83	10.42 ±0.76	10.65 ±0.67	11.45 ±0.98	12.15 ±0.74	13.17 ±1.21	14.21 ±1.12	14.43 ±0.98	12.03 ±1.75
설깃살	10.38 ±0.92	12.73 ±0.91	13.06 ±0.67	14.09 ±1.31	14.81 ±1.03	16.00 ±1.38	17.30 ±1.25	16.96 ±0.86	14.64 ±2.11
설깃머리살	3.31 ±0.33	4.53 ±0.41	4.48 ±0.42	4.90 ±0.53	5.14 ±0.54	5.44 ±0.65	6.18 ±0.68	6.22 ±0.72	5.08 ±0.89
도가니살	9.81 ±0.54	10.82 ±0.84	11.15 ±0.66	11.94 ±1.01	12.71 ±0.77	13.87 ±1.08	14.26 ±0.92	15.11 ±1.35	12.59 ±1.66

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
삼각살	2.18 ±0.29	2.70 ±0.27	2.78 ±0.34	2.92 ±0.28	3.10 ±0.30	3.27 ±0.37	3.85 ±0.42	3.61 ±0.42	3.08 ±0.51
양지머리	30.06 ±4.32	35.04 ±2.26	38.15 ±4.34	41.24 ±4.28	45.33 ±4.72	46.89 ±6.63	53.22 ±6.36	60.98 ±5.89	43.96 ±8.62
차돌박이	6.06 ±0.87	7.34 ±0.66	7.32 ±0.51	8.44 ±1.26	8.62 ±1.24	8.77 ±1.33	9.62 ±2.38	11.56 ±1.05	8.47 ±1.70
업진살	14.49 ±2.88	18.66 ±2.32	21.58 ±2.09	21.72 ±3.04	24.94 ±3.34	24.69 ±3.66	28.08 ±6.13	27.52 ±3.62	23.23 ±4.93
업진안살	1.31 ±0.16	1.58 ±0.19	1.88 ±0.19	1.83 ±0.33	1.96 ±0.38	2.12 ±0.31	2.20 ±0.44	2.58 ±0.49	1.94 ±0.43
치마양지	25.18 ±2.98	30.91 ±2.88	34.46 ±3.93	37.52 ±5.28	42.03 ±3.84	42.87 ±6.75	47.95 ±8.41	45.75 ±4.89	39.45 ±7.95
치마살	3.07 ±0.22	3.92 ±0.50	4.19 ±0.45	4.55 ±0.42	4.94 ±0.41	5.05 ±0.67	5.32 ±0.82	5.50 ±0.64	4.68 ±0.80
앞치마살	2.19 ±0.24	2.68 ±0.47	2.94 ±0.40	3.01 ±0.35	3.49 ±0.60	3.54 ±0.45	4.10 ±0.75	4.24 ±0.74	3.31 ±0.72
앞사태	7.26 ±0.59	8.67 ±0.46	8.88 ±0.40	9.52 ±0.74	9.97 ±0.61	10.79 ±1.04	11.07 ±0.93	11.55 ±1.30	9.85 ±1.32
뒷사태	8.45 ±0.40	10.20 ±0.89	9.97 ±0.61	10.99 ±0.81	11.67 ±0.92	12.51 ±0.99	13.20 ±0.83	13.50 ±1.05	11.47 ±1.56
뭉치사태	3.42 ±0.23	3.99 ±0.35	4.15 ±0.37	4.42 ±0.42	4.60 ±0.37	4.93 ±0.44	5.22 ±0.39	5.23 ±0.44	4.55 ±0.61
아롱사태	0.62 ±0.07	0.74 ±0.11	0.76 ±0.06	0.77 ±0.06	0.86 ±0.10	0.89 ±0.10	0.93 ±0.09	0.89 ±0.11	0.82 ±0.12
상박살	1.13 ±0.11	1.22 ±0.13	1.30 ±0.14	1.41 ±0.14	1.47 ±0.12	1.62 ±0.15	1.67 ±0.21	1.87 ±0.16	1.47 ±0.23
본갈비	7.10 ±0.92	8.56 ±1.07	9.04 ±0.56	8.86 ±1.14	9.42 ±1.00	10.13 ±0.91	11.26 ±1.24	11.46 ±1.14	9.47 ±1.46
꽃갈비	10.14 ±1.08	13.68 ±1.66	13.58 ±1.25	14.54 ±1.37	15.69 ±2.11	16.52 ±1.92	18.81 ±2.43	19.67 ±0.83	15.42 ±2.83
참갈비	10.63 ±1.02	15.48 ±2.46	14.38 ±1.30	16.74 ±2.21	17.27 ±1.92	19.01 ±2.80	19.00 ±4.34	19.77 ±1.51	16.96 ±3.31
갈비살	13.89 ±1.64	17.90 ±0.93	19.18 ±1.88	20.21 ±1.42	21.32 ±1.68	23.04 ±1.71	24.81 ±2.93	26.70 ±2.34	21.08 ±3.44
마구리	7.45 ±0.71	8.02 ±1.18	7.92 ±1.01	8.10 ±1.45	8.43 ±1.59	9.15 ±1.71	10.29 ±2.01	12.58 ±3.12	8.75 ±1.95
토시살	1.97 ±0.34	2.11 ±0.34	2.39 ±0.52	2.71 ±0.80	2.83 ±0.83	2.83 ±0.59	3.02 ±0.78	2.99 ±0.50	2.68 ±0.73
안창살	2.09 ±0.22	2.88 ±0.44	3.30 ±0.84	3.53 ±0.59	3.55 ±0.51	3.78 ±0.62	4.33 ±0.54	4.58 ±0.61	3.54 ±0.79
제비추리	1.04 ±0.08	1.24 ±0.20	1.12 ±0.21	1.31 ±0.16	1.40 ±0.20	1.53 ±0.22	1.59 ±0.29	1.56 ±0.16	1.38 ±0.25

*평균±표준편차

2) 도체등급에 따른 소분할 부분육 생산량

표 104 육질 1⁺⁺등급 한우 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
거래정육중(소분할)	230.10 ±16.52	260.33 ±9.58	286.39 ±17.76	291.09 ±18.79	295.73 ±18.96	267.22 ±28.33
안심살	7.32 ±0.51	8.02 ±0.31	8.83 ±0.39	9.20 ±0.49	8.85 ±0.54	8.29 ±0.79
윗등심살	16.78 ±1.75	18.40 ±1.62	18.71 ±2.00	18.79 ±2.09	18.16 ±0.86	18.11 ±1.73
꽃등심살	10.21 ±0.99	12.39 ±1.27	11.74 ±1.86	13.89 ±1.87	13.09 ±1.33	12.08 ±1.77
아래등심살	7.44 ±0.39	8.41 ±0.85	9.54 ±0.96	8.95 ±1.11	8.89 ±0.77	8.54 ±1.03
살치살	4.38 ±0.59	4.88 ±0.51	5.42 ±0.70	4.87 ±0.99	4.64 ±0.57	4.83 ±0.67
채끝살	10.32 ±1.03	11.49 ±0.79	12.15 ±1.72	13.73 ±1.61	13.77 ±0.99	11.96 ±1.67
목심살	19.73 ±3.15	21.90 ±1.77	24.76 ±3.82	25.54 ±2.19	24.76 ±0.70	22.81 ±3.20
꾸리살	3.02 ±0.29	3.39 ±0.15	3.80 ±0.32	3.61 ±0.38	4.01 ±0.52	3.50 ±0.44
부채살	4.84 ±0.41	5.36 ±0.40	6.34 ±0.69	5.67 ±0.72	6.13 ±0.99	5.57 ±0.77
앞다리살	12.23 ±1.13	13.78 ±0.82	16.75 ±1.15	15.11 ±1.43	17.24 ±2.66	14.62 ±2.23
갈비덧살	2.03 ±0.30	2.19 ±0.40	3.15 ±0.45	2.51 ±0.37	2.78 ±0.43	2.45 ±0.54
부채덮개살	2.10 ±0.20	2.30 ±0.22	3.02 ±0.40	2.55 ±0.28	2.83 ±0.62	2.49 ±0.45
우둔살	17.52 ±0.86	19.31 ±1.57	21.76 ±1.34	21.97 ±2.37	21.78 ±0.62	20.05 ±2.21
홍두깨살	4.19 ±0.22	4.62 ±0.35	5.15 ±0.19	5.55 ±0.39	5.46 ±0.51	4.86 ±0.59
보섭살	10.14 ±0.91	11.94 ±0.83	13.18 ±1.14	13.62 ±0.95	13.86 ±0.54	12.25 ±1.60
설깃살	13.09 ±0.91	14.29 ±1.10	16.27 ±1.21	17.05 ±1.86	15.63 ±0.82	14.94 ±1.76
설깃머리살	4.54 ±0.52	5.07 ±0.67	5.63 ±0.40	6.29 ±1.00	6.21 ±0.96	5.37 ±0.90

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
도가니살	10.78 ±1.12	12.14 ±0.69	13.44 ±0.71	13.25 ±0.70	14.22 ±2.10	12.50 ±1.53
삼각살	2.56 ±0.20	2.99 ±0.29	3.29 ±0.45	3.80 ±0.57	3.64 ±0.34	3.15 ±0.54
양지머리	17.15 ±1.52	19.21 ±1.69	21.72 ±2.99	21.26 ±2.29	25.63 ±5.24	20.36 ±3.60
차돌박이	6.94 ±0.90	7.46 ±1.06	7.52 ±0.38	8.06 ±0.60	10.10 ±2.24	7.79 ±1.42
업진살	10.03 ±0.83	12.68 ±1.81	13.27 ±2.07	13.39 ±1.84	12.03 ±1.43	12.19 ±1.95
업진안살	1.81 ±0.35	2.06 ±0.38	2.16 ±0.09	1.76 ±0.53	2.04 ±0.56	1.98 ±0.38
치마양지	12.73 ±0.67	15.02 ±1.38	14.76 ±1.81	18.18 ±1.49	16.08 ±0.54	15.03 ±2.05
치마살	3.88 ±0.27	4.70 ±0.38	4.91 ±0.25	5.35 ±0.19	4.93 ±0.18	4.67 ±0.55
앞치마살	2.91 ±0.27	3.40 ±0.32	3.18 ±0.43	4.38 ±0.56	3.91 ±0.59	3.45 ±0.61
앞사태	6.94 ±0.60	7.93 ±0.64	9.12 ±0.89	8.73 ±0.62	9.60 ±0.96	8.26 ±1.14
뒷사태	7.95 ±0.85	8.97 ±0.60	10.31 ±0.98	10.11 ±0.38	10.60 ±0.96	9.36 ±1.21
뭉치사태	3.89 ±0.37	4.43 ±0.29	4.93 ±0.45	4.88 ±0.41	4.83 ±0.27	4.52 ±0.51
아롱사태	0.64 ±0.09	0.78 ±0.09	0.86 ±0.07	0.85 ±0.14	0.84 ±0.07	0.78 ±0.12
상박살	1.19 ±0.19	1.35 ±0.16	1.61 ±0.14	1.50 ±0.24	1.70 ±0.22	1.43 ±0.24
본갈비	6.80 ±0.52	7.63 ±0.57	8.25 ±0.22	8.68 ±0.92	9.22 ±0.14	7.92 ±0.95
꽃갈비	10.55 ±0.23	11.97 ±0.77	12.42 ±0.89	13.89 ±0.58	14.96 ±0.87	12.40 ±1.59
참갈비	10.34 ±2.12	11.53 ±1.18	12.28 ±0.86	10.72 ±0.96	12.37 ±0.92	11.40 ±1.46
갈비살	20.00 ±1.42	22.75 ±0.94	24.10 ±1.20	24.04 ±0.45	26.01 ±2.08	22.99 ±2.26
마구리	7.93 ±1.74	9.53 ±1.22	8.57 ±2.29	9.81 ±1.62	12.65 ±4.72	9.46 ±2.51
토시살	1.03 ±0.13	1.13 ±0.14	1.33 ±0.11	1.31 ±0.02	1.25 ±0.16	1.19 ±0.16
안창살	1.75 ±0.13	1.79 ±0.21	2.12 ±0.26	2.17 ±0.11	1.96 ±0.25	1.92 ±0.25
제비추리	0.75 ±0.04	0.90 ±0.10	1.12 ±0.12	0.90 ±0.07	1.11 ±0.26	0.93 ±0.18

*평균±표준편차

표 105 육질 1⁺등급 한우 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
거래정육중(소분할)	172.14 ±24.08	208.25 ±11.47	226.53 ±13.59	242.74 ±6.10	255.78 ±13.17	277.77 ±9.48	300.03 ±6.78	244.93 ±36.18
안심살	5.34 ±1.02	6.77 ±0.38	7.18 ±0.42	7.68 ±0.49	7.93 ±0.60	8.82 ±0.63	9.28 ±0.56	7.71 ±1.16
윗등심살	11.61 ±2.18	13.93 ±1.79	15.79 ±1.47	16.02 ±1.62	17.88 ±1.69	19.10 ±1.59	20.26 ±1.73	16.76 ±2.92
꽃등심살	8.37 ±1.44	9.03 ±0.67	10.32 ±0.84	11.05 ±0.86	11.17 ±0.92	12.39 ±1.42	13.28 ±1.32	10.90 ±1.75
아래등심살	5.83 ±1.25	6.92 ±0.54	7.84 ±0.88	7.88 ±0.82	8.12 ±0.91	9.07 ±1.27	8.99 ±0.57	7.94 ±1.25
살치살	3.19 ±1.13	4.02 ±0.57	4.71 ±0.56	4.22 ±0.40	4.80 ±0.64	5.19 ±0.67	5.37 ±0.73	4.60 ±0.85
채끝살	7.88 ±1.01	9.26 ±0.76	9.63 ±0.45	11.02 ±0.95	10.41 ±0.81	11.13 ±0.80	12.48 ±1.04	10.33 ±1.39
목심살	13.19 ±1.11	16.54 ±2.63	18.30 ±1.90	21.33 ±1.12	22.30 ±2.11	23.56 ±1.60	25.67 ±3.77	20.64 ±4.09
꾸리살	2.49 ±0.37	2.75 ±0.20	3.06 ±0.28	3.33 ±0.18	3.43 ±0.27	3.75 ±0.28	4.02 ±0.24	3.30 ±0.51
부채살	3.64 ±0.47	4.27 ±0.39	4.77 ±0.60	5.06 ±0.41	5.50 ±0.60	5.92 ±0.44	6.07 ±0.20	5.15 ±0.86
앞다리살	9.09 ±1.38	11.27 ±1.01	12.14 ±1.03	13.07 ±0.63	14.19 ±1.31	15.41 ±1.33	16.76 ±1.23	13.43 ±2.35
갈비덧살	1.50 ±0.34	2.20 ±0.36	2.17 ±0.50	2.14 ±0.36	2.48 ±0.37	2.86 ±0.62	2.71 ±0.44	2.37 ±0.54
부채덮개살	1.67 ±0.30	2.09 ±0.23	2.26 ±0.27	2.48 ±0.21	2.52 ±0.29	2.70 ±0.22	2.89 ±0.17	2.42 ±0.39
우둔살	13.75 ±2.56	16.92 ±1.12	17.85 ±1.26	18.30 ±0.99	19.67 ±1.35	21.34 ±1.17	22.92 ±0.95	19.02 ±2.66
홍두깨살	3.26 ±0.77	4.01 ±0.34	4.44 ±0.79	4.24 ±0.32	4.71 ±0.32	5.26 ±0.58	5.57 ±0.58	4.58 ±0.78
보섭살	8.18 ±1.54	10.30 ±0.47	10.68 ±0.95	11.26 ±0.75	11.73 ±0.73	13.07 ±0.87	13.76 ±0.59	11.48 ±1.62
설깃살	9.52 ±1.86	12.35 ±0.65	12.96 ±0.95	13.84 ±0.85	14.58 ±1.26	15.57 ±1.11	17.16 ±0.78	13.99 ±2.15
설깃머리살	3.19 ±0.69	4.37 ±0.32	4.36 ±0.38	4.72 ±0.69	5.03 ±0.61	5.28 ±0.58	6.10 ±0.41	4.82 ±0.85
도가니살	8.90 ±1.17	10.00 ±0.67	10.64 ±0.67	11.52 ±0.64	12.15 ±0.86	13.58 ±1.14	14.31 ±0.60	11.75 ±1.78

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
삼각살	1.91 ±0.34	2.55 ±0.24	2.75 ±0.35	2.90 ±0.24	2.93 ±0.30	3.22 ±0.15	3.52 ±0.39	2.87 ±0.47
양지머리	12.53 ±1.11	15.26 ±0.92	16.04 ±1.16	19.37 ±2.78	19.42 ±2.78	21.12 ±2.67	23.49 ±3.23	18.50 ±3.75
차돌박이	5.69 ±0.33	6.13 ±0.76	6.26 ±0.38	7.65 ±2.14	7.58 ±1.32	7.51 ±1.56	8.70 ±2.20	7.15 ±1.59
업진살	8.08 ±1.17	9.00 ±0.95	10.34 ±1.47	10.61 ±0.88	11.30 ±1.60	11.59 ±1.27	14.15 ±2.07	10.83 ±2.06
업진안살	1.32 ±0.40	1.55 ±0.21	1.64 ±0.27	1.74 ±0.20	1.71 ±0.36	1.99 ±0.29	2.14 ±0.42	1.74 ±0.37
치마양지	8.78 ±1.07	11.27 ±1.28	12.35 ±1.53	12.74 ±1.02	14.42 ±1.23	15.34 ±1.48	15.89 ±1.89	13.36 ±2.39
치마살	2.74 ±0.35	3.55 ±0.29	3.64 ±0.30	3.94 ±0.12	4.36 ±0.34	4.67 ±0.35	4.74 ±1.16	4.07 ±0.72
앞치마살	2.01 ±0.41	2.34 ±0.45	2.76 ±0.41	2.71 ±0.36	2.99 ±0.41	3.43 ±0.46	3.51 ±0.50	2.87 ±0.61
앞사태	5.31 ±0.82	6.51 ±0.65	7.15 ±0.44	7.43 ±0.44	8.06 ±0.51	8.54 ±0.85	9.29 ±0.64	7.63 ±1.20
뒷사태	6.52 ±1.43	7.68 ±0.68	7.94 ±0.38	8.70 ±0.26	9.02 ±0.81	9.86 ±0.67	10.35 ±0.66	8.72 ±1.26
뭉치사태	3.18 ±0.74	3.72 ±0.36	3.96 ±0.39	4.29 ±0.16	4.38 ±0.40	4.84 ±0.42	5.00 ±0.35	4.26 ±0.64
아롱사태	0.54 ±0.14	0.64 ±0.10	0.64 ±0.06	0.74 ±0.05	0.78 ±0.11	0.84 ±0.11	0.84 ±0.08	0.73 ±0.13
상박살	0.92 ±0.17	1.14 ±0.11	1.24 ±0.10	1.31 ±0.11	1.40 ±0.12	1.54 ±0.14	1.64 ±0.18	1.34 ±0.23
본갈비	5.14 ±0.52	6.00 ±0.96	7.20 ±0.91	7.55 ±0.69	7.68 ±0.68	8.64 ±0.77	9.52 ±0.79	7.48 ±1.41
꽃갈비	7.80 ±0.84	8.98 ±0.94	9.94 ±1.10	10.74 ±0.77	11.42 ±1.12	12.25 ±0.83	14.37 ±1.31	10.94 ±2.00
참갈비	6.72 ±0.79	8.70 ±1.19	9.50 ±1.55	9.47 ±0.85	10.48 ±0.78	12.03 ±1.58	13.16 ±3.15	10.21 ±2.19
갈비살	14.11 ±1.48	16.74 ±2.09	19.19 ±2.38	19.90 ±1.09	21.06 ±1.53	23.69 ±1.72	26.25 ±2.61	20.43 ±3.73
마구리	6.86 ±0.74	6.70 ±1.19	7.49 ±1.44	8.95 ±1.39	8.35 ±1.74	9.44 ±1.80	9.56 ±2.09	8.22 ±1.83
토시살	0.75 ±0.15	0.93 ±0.08	0.99 ±0.09	1.10 ±0.10	1.10 ±0.11	1.21 ±0.12	1.30 ±0.11	1.07 ±0.18
안창살	1.25 ±0.23	1.52 ±0.10	1.68 ±0.22	1.79 ±0.23	1.79 ±0.20	1.98 ±0.18	2.16 ±0.23	1.76 ±0.29
제비추리	0.62 ±0.13	0.76 ±0.07	0.82 ±0.09	0.90 ±0.09	0.86 ±0.14	0.94 ±0.08	1.02 ±0.15	0.85 ±0.14

*평균±표준편차

표 106 육질 1등급 한우 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간 (kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
거래정육중 (소분할)	173.70 ±6.52	190.67 ±14.85	204.15 ±15.11	218.58 ±16.66	235.30 ±15.08	248.56 ±12.52	261.52 ±13.92	294.65 ±10.39	228.19 ±35.50
안심살	5.65 ±0.20	6.00 ±0.57	6.45 ±0.78	6.83 ±0.47	7.54 ±0.46	7.88 ±0.53	8.31 ±0.67	9.02 ±0.81	7.22 ±1.14
윗등심살	10.98 ±1.17	12.46 ±1.23	13.62 ±1.33	14.09 ±1.45	15.82 ±2.03	16.97 ±2.06	18.04 ±1.79	20.58 ±2.67	15.31 ±3.11
꽃등심살	7.74 ±0.58	8.68 ±0.97	9.22 ±1.09	9.93 ±1.16	10.06 ±1.13	10.90 ±1.09	11.49 ±1.10	12.54 ±0.72	10.05 ±1.62
아래등심살	5.53 ±0.48	6.19 ±0.39	6.65 ±0.77	7.20 ±1.26	7.75 ±0.84	7.70 ±0.88	7.95 ±1.17	9.37 ±1.22	7.30 ±1.30
살치살	3.17 ±0.37	3.24 ±0.32	3.83 ±0.53	3.86 ±0.64	4.52 ±0.69	4.45 ±0.80	5.03 ±0.95	5.92 ±1.12	4.24 ±1.01
채끝살	7.29 ±0.65	8.11 ±0.61	9.12 ±0.92	9.17 ±0.90	9.90 ±0.75	9.99 ±1.01	10.43 ±0.54	11.98 ±0.84	9.52 ±1.40
목심살	13.34 ±2.07	15.21 ±2.37	16.49 ±1.79	18.60 ±2.45	18.98 ±2.74	20.91 ±2.14	21.94 ±3.14	21.89 ±1.85	18.51 ±3.55
꾸리살	2.45 ±0.13	2.72 ±0.21	2.71 ±0.29	3.04 ±0.32	3.18 ±0.22	3.28 ±0.24	3.48 ±0.54	4.16 ±0.32	3.10 ±0.52
부채살	3.70 ±0.45	3.78 ±0.30	4.07 ±0.47	4.72 ±0.53	4.88 ±0.53	5.18 ±0.38	5.45 ±0.70	6.35 ±0.72	4.74 ±0.90
앞다리살	9.56 ±0.49	10.58 ±1.30	10.96 ±1.11	12.10 ±1.14	13.07 ±1.17	13.82 ±0.97	14.73 ±1.20	16.64 ±1.10	12.64 ±2.22
갈비덧살	1.71 ±0.23	2.02 ±0.30	1.93 ±0.49	2.09 ±0.45	2.48 ±0.37	2.41 ±0.40	2.26 ±0.41	2.98 ±0.94	2.24 ±0.55
부채덮개살	1.82 ±0.31	2.08 ±0.22	2.03 ±0.32	2.27 ±0.24	2.32 ±0.34	2.38 ±0.26	2.48 ±0.22	3.05 ±0.19	2.28 ±0.40
우둔살	14.59 ±0.58	15.70 ±1.56	16.69 ±1.53	16.59 ±1.12	18.81 ±1.50	19.88 ±1.13	20.94 ±2.06	23.53 ±2.60	18.32 ±2.89
홍두깨살	3.52 ±0.36	3.72 ±0.52	3.92 ±0.45	3.91 ±0.39	4.48 ±0.45	4.64 ±0.45	4.81 ±0.58	5.47 ±0.78	4.31 ±0.72
보섭살	8.37 ±0.48	9.41 ±0.84	9.92 ±0.87	10.21 ±0.73	11.50 ±1.00	11.85 ±0.73	12.51 ±1.42	14.21 ±1.31	11.00 ±1.80
설깃살	9.95 ±0.43	10.99 ±1.27	11.98 ±1.07	12.47 ±0.75	13.83 ±1.14	13.94 ±0.82	15.27 ±1.56	16.69 ±1.28	13.15 ±2.12
설깃머리살	3.11 ±0.23	3.59 ±0.49	4.10 ±0.62	4.32 ±0.56	4.71 ±0.49	4.78 ±0.43	5.19 ±0.76	5.46 ±0.71	4.44 ±0.84
도가니살	8.95 ±0.54	9.67 ±0.81	9.73 ±0.95	10.49 ±0.87	11.58 ±1.10	12.14 ±0.78	13.27 ±1.07	13.84 ±1.06	11.19 ±1.77

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
삼각살	2.04 ±0.20	2.27 ±0.21	2.38 ±0.25	2.55 ±0.21	2.91 ±0.22	2.93 ±0.26	2.89 ±0.31	3.50 ±0.33	2.69 ±0.46
양지머리	13.35 ±0.89	15.01 ±1.50	15.38 ±1.94	16.73 ±2.43	16.93 ±1.31	17.62 ±1.75	18.61 ±1.96	26.00 ±2.72	17.17 ±3.48
차돌박이	5.77 ±0.74	5.99 ±0.78	6.42 ±0.83	6.93 ±0.85	6.76 ±0.61	6.99 ±1.01	7.12 ±1.28	9.59 ±2.89	6.86 ±1.44
업진살	7.61 ±0.61	7.77 ±1.44	9.22 ±1.00	10.38 ±1.45	9.83 ±1.32	11.12 ±1.24	11.47 ±1.87	11.53 ±1.44	9.91 ±1.83
업진안살	1.26 ±0.22	1.37 ±0.24	1.60 ±0.29	1.64 ±0.16	1.59 ±0.27	1.76 ±0.38	1.68 ±0.24	2.10 ±0.21	1.62 ±0.33
치마양지	8.88 ±0.58	9.46 ±1.12	10.46 ±1.80	11.69 ±1.31	13.39 ±1.53	14.20 ±1.71	14.09 ±1.76	15.85 ±2.15	12.34 ±2.64
치마살	2.77 ±0.17	2.96 ±0.31	3.21 ±0.39	3.76 ±0.24	4.06 ±0.37	4.25 ±0.59	4.21 ±0.94	4.96 ±0.40	3.78 ±0.78
앞치마살	2.09 ±0.22	1.92 ±0.27	2.17 ±0.44	2.55 ±0.34	2.83 ±0.40	3.01 ±0.32	3.03 ±0.22	3.48 ±0.56	2.64 ±0.58
앞사태	5.98 ±0.45	6.22 ±0.48	6.42 ±0.67	7.01 ±0.67	7.53 ±0.61	7.98 ±0.50	8.48 ±0.78	8.99 ±0.95	7.32 ±1.12
뒷사태	7.03 ±0.42	7.23 ±0.58	7.53 ±0.62	8.15 ±0.68	8.68 ±0.78	9.16 ±0.56	9.64 ±0.74	10.40 ±0.63	8.46 ±1.19
뭉치사태	3.35 ±0.19	3.50 ±0.33	3.68 ±0.31	4.05 ±0.33	4.34 ±0.46	4.55 ±0.29	4.76 ±0.47	5.08 ±0.32	4.17 ±0.63
아롱사태	0.57 ±0.04	0.55 ±0.04	0.60 ±0.10	0.70 ±0.07	0.69 ±0.07	0.77 ±0.06	0.84 ±0.12	0.80 ±0.10	0.69 ±0.12
상박살	0.98 ±0.07	1.06 ±0.12	1.11 ±0.16	1.18 ±0.12	1.26 ±0.17	1.41 ±0.08	1.51 ±0.13	1.59 ±0.14	1.26 ±0.23
본갈비	5.04 ±0.46	6.08 ±0.43	5.97 ±0.92	6.61 ±0.64	6.63 ±0.81	7.12 ±0.70	7.54 ±0.65	9.04 ±1.04	6.69 ±1.20
꽃갈비	7.30 ±0.59	8.24 ±0.35	8.98 ±0.89	9.78 ±0.94	10.10 ±0.63	11.03 ±0.87	11.85 ±1.29	13.39 ±0.53	10.05 ±1.81
참갈비	6.59 ±0.63	7.26 ±0.97	8.37 ±1.38	8.66 ±1.38	9.93 ±1.32	10.81 ±1.30	11.79 ±1.21	12.78 ±2.53	9.55 ±2.25
갈비살	13.11 ±1.28	14.86 ±0.82	16.53 ±1.81	17.59 ±1.61	19.19 ±1.85	20.96 ±1.79	22.01 ±1.51	25.29 ±3.00	18.69 ±3.72
마구리	6.98 ±0.29	7.54 ±1.02	7.22 ±1.24	7.90 ±0.85	7.70 ±1.28	8.46 ±1.57	9.04 ±1.65	11.29 ±2.44	8.12 ±1.73
토시살	0.74 ±0.09	0.80 ±0.07	0.89 ±0.11	0.99 ±0.10	1.02 ±0.09	1.06 ±0.14	1.10 ±0.11	1.28 ±0.08	0.98 ±0.17
안창살	1.20 ±0.18	1.30 ±0.17	1.45 ±0.19	1.62 ±0.16	1.75 ±0.16	1.78 ±0.15	1.83 ±0.17	2.11 ±0.21	1.64 ±0.30
제비추리	0.62 ±0.07	0.72 ±0.07	0.78 ±0.14	0.74 ±0.18	0.79 ±0.14	0.84 ±0.15	0.93 ±0.05	0.90 ±0.11	0.79 ±0.15

*평균±표준편차

표 107 육질 2등급 한우 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
거래정육중(소분할)	163.86 ±15.14	185.41 ±9.48	200.64 ±12.87	225.47 ±13.06	236.33 ±14.59	251.66 ±19.68	275.84 ±23.46	316.21 ±33.87	223.27 ±45.06
안심살	5.60 ±0.59	5.96 ±0.18	6.29 ±0.43	6.92 ±0.49	7.44 ±0.53	7.81 ±0.43	8.60 ±0.49	9.36 ±0.87	7.00 ±1.21
윗등심살	9.90 ±0.93	11.64 ±0.86	13.59 ±2.29	15.02 ±1.85	15.40 ±1.44	16.06 ±1.37	17.93 ±2.10	20.15 ±2.48	14.47 ±3.24
꽃등심살	6.99 ±0.79	8.35 ±0.73	8.87 ±0.78	10.19 ±0.89	9.99 ±0.95	10.68 ±0.96	11.47 ±1.12	14.23 ±1.93	9.74 ±2.06
아래등심살	5.40 ±0.74	6.21 ±0.45	6.63 ±0.51	7.11 ±0.69	7.31 ±0.94	8.05 ±0.79	8.22 ±1.56	9.01 ±1.32	7.05 ±1.27
살치살	2.94 ±0.42	3.39 ±0.23	3.69 ±0.65	3.85 ±0.68	4.08 ±0.71	4.42 ±0.57	4.70 ±0.55	5.34 ±1.02	3.93 ±0.87
채끝살	6.94 ±0.56	8.08 ±0.50	8.37 ±0.54	9.29 ±0.84	9.30 ±0.54	10.52 ±0.52	10.42 ±0.39	12.00 ±1.00	9.09 ±1.48
목심살	12.14 ±2.14	14.38 ±1.69	16.42 ±3.03	20.16 ±3.87	20.08 ±2.84	20.08 ±4.36	24.74 ±7.86	30.99 ±9.38	18.87 ±6.47
꾸리살	2.34 ±0.29	2.61 ±0.33	2.74 ±0.29	2.95 ±0.13	3.28 ±0.25	3.49 ±0.35	3.95 ±0.36	4.34 ±0.65	3.09 ±0.66
부채살	3.52 ±0.39	3.87 ±0.37	4.11 ±0.53	4.25 ±0.42	4.85 ±0.39	4.93 ±0.21	5.90 ±0.91	5.90 ±1.06	4.51 ±0.90
앞다리살	8.90 ±1.05	9.82 ±1.09	10.78 ±1.24	12.30 ±1.12	12.99 ±1.22	13.59 ±1.29	15.67 ±1.39	17.88 ±2.01	12.20 ±2.81
갈비덧살	1.61 ±0.35	1.67 ±0.31	1.82 ±0.40	2.09 ±0.49	2.14 ±0.47	2.40 ±0.44	3.05 ±0.59	2.84 ±0.38	2.09 ±0.60
부채덮개살	1.74 ±0.23	1.92 ±0.19	2.14 ±0.40	2.31 ±0.15	2.47 ±0.17	2.50 ±0.34	3.13 ±0.59	3.50 ±0.52	2.36 ±0.58
우둔살	14.59 ±1.19	15.80 ±0.92	16.89 ±0.93	18.38 ±0.81	19.13 ±1.59	20.85 ±2.12	21.57 ±2.71	24.40 ±2.25	18.38 ±3.11
홍두깨살	3.27 ±0.56	3.74 ±0.39	4.02 ±0.37	4.55 ±0.57	4.51 ±0.43	5.44 ±0.76	5.61 ±1.14	6.33 ±0.96	4.48 ±1.05
보섭살	8.67 ±0.76	9.22 ±0.60	10.04 ±0.86	10.83 ±0.56	11.17 ±0.89	11.99 ±1.05	13.11 ±1.38	15.02 ±1.77	10.88 ±1.98
설깃살	9.74 ±1.16	10.89 ±0.68	11.86 ±0.63	13.19 ±0.82	13.69 ±1.24	14.88 ±1.59	15.82 ±1.80	18.10 ±1.94	13.05 ±2.57
설깃머리살	3.13 ±0.53	3.55 ±0.27	3.89 ±0.32	4.51 ±0.44	4.68 ±0.38	4.89 ±0.59	5.31 ±0.71	6.17 ±0.72	4.35 ±0.95
도가니살	8.69 ±0.75	9.49 ±1.23	9.98 ±0.53	10.94 ±0.36	11.60 ±1.00	12.29 ±1.20	13.09 ±1.29	14.63 ±1.55	10.99 ±1.92

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
삼각살	2.14 ±0.31	2.25 ±0.22	2.47 ±0.24	2.68 ±0.17	2.71 ±0.30	2.97 ±0.22	3.24 ±0.38	3.72 ±0.43	2.67 ±0.51
양지머리	12.39 ±2.10	14.23 ±1.86	14.70 ±1.71	17.15 ±2.03	18.57 ±2.44	19.62 ±4.07	22.04 ±2.19	27.64 ±4.03	17.40 ±4.77
차돌박이	5.45 ±1.09	6.67 ±1.29	6.34 ±1.15	6.93 ±1.44	7.43 ±1.15	7.64 ±0.94	7.05 ±0.88	8.65 ±1.66	6.91 ±1.42
업진살	6.57 ±0.82	8.11 ±0.57	8.23 ±1.24	9.68 ±1.27	10.04 ±1.42	11.42 ±2.20	12.08 ±0.33	12.64 ±1.36	9.45 ±2.19
업진안살	1.25 ±0.14	1.57 ±0.11	1.49 ±0.22	1.77 ±0.30	1.82 ±0.37	1.98 ±0.41	2.24 ±0.37	2.37 ±0.39	1.74 ±0.42
치마양지	7.78 ±1.01	9.20 ±0.47	10.15 ±0.89	12.18 ±1.01	12.87 ±1.76	13.46 ±1.01	13.30 ±1.49	16.06 ±1.96	11.49 ±2.62
치마살	2.50 ±0.29	2.85 ±0.10	3.04 ±0.24	3.55 ±0.37	4.04 ±0.41	4.20 ±0.35	4.45 ±0.20	4.90 ±0.82	3.55 ±0.82
앞치마살	1.68 ±0.25	2.01 ±0.20	2.27 ±0.26	2.60 ±0.35	2.58 ±0.31	2.97 ±0.23	2.87 ±0.32	3.15 ±0.37	2.44 ±0.51
앞사태	5.44 ±0.59	5.74 ±0.42	6.58 ±0.44	7.14 ±0.41	7.81 ±0.82	8.33 ±0.71	9.29 ±0.85	10.12 ±1.47	7.26 ±1.56
뒷사태	6.59 ±0.54	7.13 ±0.50	7.83 ±0.70	8.33 ±0.57	8.84 ±0.74	9.46 ±0.81	10.00 ±1.02	11.29 ±0.81	8.42 ±1.47
뭉치사태	3.30 ±0.33	3.57 ±0.31	3.86 ±0.32	4.22 ±0.36	4.30 ±0.39	4.57 ±0.53	4.83 ±0.60	5.60 ±0.29	4.16 ±0.72
아롱사태	0.54 ±0.05	0.55 ±0.09	0.63 ±0.11	0.67 ±0.07	0.72 ±0.07	0.75 ±0.14	0.78 ±0.08	0.93 ±0.05	0.68 ±0.14
상박살	0.94 ±0.11	1.01 ±0.13	1.13 ±0.09	1.28 ±0.07	1.33 ±0.10	1.41 ±0.09	1.63 ±0.19	1.79 ±0.20	1.26 ±0.27
본갈비	4.76 ±0.55	5.22 ±0.70	5.72 ±0.84	6.39 ±0.82	6.88 ±0.39	7.45 ±1.11	8.85 ±1.08	9.93 ±2.01	6.56 ±1.73
꽃갈비	7.12 ±0.54	8.30 ±0.80	8.43 ±0.93	9.23 ±0.84	10.42 ±0.94	11.16 ±1.20	12.12 ±0.71	13.80 ±1.62	9.67 ±2.10
참갈비	6.56 ±1.16	7.30 ±0.60	8.08 ±1.12	8.46 ±0.90	10.00 ±1.63	10.23 ±0.85	11.18 ±1.59	12.19 ±3.08	8.94 ±2.16
갈비살	12.54 ±1.52	14.59 ±1.65	15.56 ±1.43	17.17 ±1.98	19.30 ±1.70	20.08 ±2.30	22.63 ±1.35	25.25 ±4.31	17.66 ±4.10
마구리	6.09 ±1.04	7.79 ±1.13	7.53 ±1.38	7.84 ±1.43	8.24 ±1.17	8.85 ±2.13	10.85 ±2.97	11.70 ±2.72	8.27 ±2.17
토시살	0.69 ±0.08	0.78 ±0.06	0.85 ±0.08	0.93 ±0.06	1.02 ±0.10	1.09 ±0.10	1.22 ±0.07	1.30 ±0.22	0.95 ±0.20
안창살	1.27 ±0.23	1.32 ±0.13	1.42 ±0.17	1.58 ±0.15	1.73 ±0.15	1.74 ±0.18	1.92 ±0.23	2.13 ±0.15	1.59 ±0.30
제비추리	0.57 ±0.07	0.68 ±0.09	0.78 ±0.15	0.83 ±0.14	0.81 ±0.11	0.89 ±0.05	1.09 ±0.15	1.12 ±0.14	0.81 ±0.19

*평균±표준편차

표 108 육질 3등급 한우 냉도체의 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
거래정육중 (소분할)	166.30 ±20.87	175.20 ±11.67	196.73 ±15.90	216.60 ±21.24	229.95 ±17.60	263.72 ±27.78	294.69 ±15.60	305.55 ±20.46	336.99 ±21.67	230.90 ±53.71
안심살	5.35 ±0.54	5.47 ±0.37	6.10 ±0.36	6.72 ±0.44	7.26 ±0.36	7.65 ±0.63	8.04 ±0.34	8.28 ±0.78	9.38 ±0.59	6.90 ±1.22
윗등심살	10.56 ±2.16	11.44 ±1.58	13.20 ±1.79	14.45 ±2.86	14.63 ±1.97	18.79 ±3.78	20.42 ±2.00	21.08 ±1.32	23.99 ±1.57	15.60 ±4.53
꽃등심살	7.18 ±0.78	7.78 ±1.18	8.51 ±1.01	9.31 ±1.08	9.60 ±1.24	11.39 ±1.16	12.44 ±0.70	12.54 ±0.91	14.28 ±1.84	9.87 ±2.29
아래등심살	4.83 ±0.58	5.36 ±0.78	6.12 ±0.59	6.66 ±0.69	7.20 ±0.48	7.44 ±0.98	8.52 ±0.62	8.65 ±0.30	9.85 ±0.49	6.90 ±1.49
살치살	2.66 ±0.41	2.80 ±0.48	3.52 ±0.41	3.86 ±0.75	3.94 ±0.61	4.78 ±0.95	4.57 ±0.82	4.88 ±0.35	6.11 ±0.52	3.96 ±1.09
채끝살	6.33 ±0.83	6.93 ±0.37	7.87 ±0.67	8.72 ±0.63	9.50 ±0.98	9.66 ±0.81	10.58 ±0.88	10.68 ±1.00	11.28 ±0.23	8.80 ±1.62
목심살	15.69 ±5.57	15.46 ±3.05	18.22 ±4.45	20.73 ±5.51	21.01 ±4.78	28.77 ±8.40	35.19 ±3.48	37.34 ±5.42	40.62 ±6.94	23.73 ±9.63
꾸리살	2.25 ±0.27	2.56 ±0.27	2.78 ±0.27	2.92 ±0.32	3.05 ±0.25	3.47 ±0.46	3.85 ±0.34	4.29 ±0.29	4.43 ±0.40	3.13 ±0.70
부채살	3.38 ±0.26	3.42 ±0.31	3.97 ±0.23	4.30 ±0.42	4.27 ±0.42	5.16 ±0.60	5.39 ±0.30	6.02 ±0.33	6.18 ±0.75	4.48 ±0.95
앞다리살	9.51 ±1.54	9.88 ±1.08	11.07 ±1.39	12.19 ±1.78	12.72 ±1.10	15.30 ±1.84	16.71 ±1.25	17.82 ±1.78	19.90 ±2.05	13.15 ±3.40
갈비덧살	1.84 ±0.36	1.83 ±0.26	2.12 ±0.40	2.13 ±0.41	2.19 ±0.57	2.40 ±0.64	3.03 ±0.74	3.10 ±0.48	3.17 ±0.48	2.30 ±0.64
부채덮개살	1.95 ±0.24	2.06 ±0.19	2.35 ±0.32	2.41 ±0.43	2.46 ±0.32	3.21 ±0.63	3.62 ±0.46	3.85 ±0.47	4.25 ±0.57	2.72 ±0.80
우둔살	14.03 ±1.94	15.14 ±1.57	16.54 ±1.12	17.75 ±1.47	19.20 ±1.81	20.60 ±1.87	23.11 ±1.77	23.03 ±1.23	24.99 ±1.86	18.66 ±3.56
홍두깨살	3.55 ±0.69	3.70 ±0.40	4.02 ±0.48	4.51 ±0.62	5.02 ±0.53	5.29 ±0.83	5.71 ±0.62	6.18 ±0.94	6.50 ±0.78	4.73 ±1.08
보섭살	8.02 ±1.20	8.57 ±0.64	9.90 ±0.60	10.36 ±0.70	11.16 ±1.01	12.34 ±1.17	13.70 ±1.01	14.69 ±1.17	15.38 ±1.16	11.06 ±2.34
설깃살	9.53 ±1.48	10.09 ±0.95	11.36 ±0.98	12.57 ±1.12	13.79 ±0.92	14.58 ±1.35	16.73 ±0.95	17.42 ±1.29	18.81 ±1.36	13.24 ±2.94
설깃머리살	3.03 ±0.54	3.32 ±0.46	3.75 ±0.43	4.13 ±0.53	4.53 ±0.37	4.93 ±0.50	5.35 ±0.38	5.86 ±0.63	6.10 ±0.66	4.35 ±1.02
도가니살	8.28 ±0.93	8.53 ±0.85	9.64 ±0.79	10.23 ±0.82	11.01 ±0.61	11.71 ±0.92	13.59 ±0.66	13.28 ±1.14	14.38 ±1.13	10.76 ±2.03

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
삼각살	1.91 ±0.34	2.08 ±0.24	2.40 ±0.20	2.53 ±0.25	2.83 ±0.22	3.08 ±0.43	3.36 ±0.33	3.54 ±0.54	3.88 ±0.33	2.72 ±0.63
양지머리	12.64 ±1.95	13.83 ±1.29	14.38 ±1.73	16.85 ±2.47	17.61 ±2.35	21.90 ±2.47	23.23 ±2.16	26.13 ±4.63	28.30 ±3.40	18.25 ±5.24
차돌박이	4.81 ±1.23	5.13 ±0.92	5.65 ±0.79	6.42 ±0.86	6.63 ±0.93	7.54 ±1.09	8.02 ±0.65	8.01 ±1.26	8.70 ±0.93	6.54 ±1.48
업진살	6.54 ±1.02	6.92 ±0.65	7.70 ±0.59	8.94 ±0.86	9.38 ±1.29	10.07 ±1.04	11.35 ±0.79	10.45 ±0.58	12.83 ±1.21	9.03 ±1.95
업진안살	1.25 ±0.24	1.33 ±0.16	1.52 ±0.15	1.74 ±0.16	1.83 ±0.34	1.90 ±0.22	2.29 ±0.22	2.06 ±0.24	2.52 ±0.40	1.76 ±0.42
치마양지	7.81 ±0.72	8.43 ±0.93	9.68 ±0.74	10.53 ±0.70	12.21 ±1.18	12.46 ±1.05	13.04 ±1.86	14.08 ±0.60	16.30 ±1.20	11.13 ±2.49
치마살	2.41 ±0.33	2.62 ±0.19	3.13 ±0.22	3.34 ±0.23	3.68 ±0.35	3.96 ±0.43	4.29 ±0.65	4.45 ±0.32	5.14 ±0.42	3.51 ±0.81
앞치마살	1.73 ±0.17	1.73 ±0.20	2.06 ±0.19	2.19 ±0.25	2.56 ±0.42	2.75 ±0.20	2.85 ±0.38	3.19 ±0.21	3.61 ±0.23	2.39 ±0.60
앞사태	5.84 ±0.49	6.00 ±0.55	6.42 ±0.49	7.00 ±0.75	7.32 ±0.51	8.35 ±0.71	9.20 ±0.63	9.48 ±0.89	10.09 ±0.92	7.42 ±1.46
뒷사태	6.77 ±0.73	6.96 ±0.75	7.73 ±0.62	8.16 ±0.89	8.90 ±0.76	9.37 ±0.76	10.61 ±0.47	10.95 ±0.89	11.48 ±1.11	8.64 ±1.62
뭉치사태	3.35 ±0.47	3.43 ±0.38	3.85 ±0.33	4.03 ±0.42	4.53 ±0.43	4.62 ±0.47	5.19 ±0.32	5.38 ±0.48	5.57 ±0.52	4.27 ±0.80
아롱사태	0.54 ±0.08	0.53 ±0.07	0.65 ±0.09	0.64 ±0.10	0.71 ±0.07	0.78 ±0.08	0.84 ±0.08	0.87 ±0.10	0.87 ±0.11	0.69 ±0.14
상박살	0.98 ±0.07	1.00 ±0.16	1.13 ±0.09	1.19 ±0.12	1.27 ±0.09	1.51 ±0.16	1.66 ±0.10	1.76 ±0.16	1.77 ±0.14	1.30 ±0.29
본갈비	5.04 ±0.64	5.14 ±0.90	5.72 ±0.62	6.02 ±0.94	6.61 ±0.50	7.85 ±1.51	9.36 ±1.12	8.91 ±0.58	10.18 ±0.71	6.78 ±1.84
꽃갈비	6.87 ±0.50	7.36 ±0.67	8.15 ±0.62	8.78 ±0.99	9.38 ±0.76	11.20 ±1.07	11.77 ±0.37	11.97 ±1.04	14.13 ±1.37	9.49 ±2.20
참갈비	6.16 ±0.66	6.02 ±0.41	7.05 ±0.99	8.45 ±0.73	8.61 ±0.63	9.79 ±1.37	10.58 ±1.03	10.73 ±0.64	12.83 ±1.41	8.53 ±2.10
갈비살	11.90 ±1.15	12.22 ±1.18	14.03 ±1.68	16.01 ±1.69	17.10 ±1.57	20.08 ±2.81	22.35 ±1.07	21.81 ±1.46	25.91 ±2.82	17.02 ±4.46
마구리	6.84 ±0.87	7.79 ±1.50	8.61 ±1.53	8.32 ±1.40	7.74 ±1.25	9.91 ±1.23	10.71 ±1.48	11.40 ±1.47	12.02 ±1.19	8.91 ±1.97
토시살	0.69 ±0.12	0.77 ±0.09	0.87 ±0.08	0.88 ±0.10	0.95 ±0.09	1.01 ±0.15	1.21 ±0.16	1.17 ±0.10	1.35 ±0.11	0.95 ±0.21
안창살	1.17 ±0.21	1.10 ±0.07	1.32 ±0.15	1.44 ±0.17	1.55 ±0.13	1.57 ±0.22	1.96 ±0.38	1.87 ±0.06	1.93 ±0.31	1.49 ±0.33
제비추리	0.68 ±0.10	0.72 ±0.11	0.82 ±0.09	0.86 ±0.20	0.87 ±0.14	1.13 ±0.21	1.11 ±0.16	1.35 ±0.13	1.44 ±0.21	0.94 ±0.27

*평균±표준편차

표 109 육량 A등급 한우 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
거래정육중(소분할)	171.93 ±15.62	176.52 ±11.53	198.75 ±13.72	220.43 ±21.09	233.97 ±18.29	262.22 ±26.17	288.09 ±18.14	305.63 ±14.35	330.03 ±21.99	238.72 ±53.19
안심살	5.53 ±0.45	5.61 ±0.37	6.15 ±0.43	6.67 ±0.50	7.11 ±0.55	7.83 ±0.48	8.15 ±0.34	8.78 ±0.47	9.37 ±0.57	7.13 ±1.30
윗등심살	10.58 ±1.71	11.38 ±0.89	13.41 ±1.52	15.33 ±3.02	15.78± 1.82	18.75 ±3.29	19.89 ±2.17	21.25 ±1.22	23.04 ±2.26	16.34 ±4.38
꽃등심살	7.69 ±0.95	8.09 ±0.72	8.95 ±0.87	9.60 ±0.96	10.07 ±1.25	11.21 ±1.28	12.08 ±0.89	12.88 ±0.63	14.23 ±1.56	10.37 ±2.19
아래등심살	5.53 ±0.53	5.64 ±0.47	6.32 ±0.47	6.92 ±0.61	7.25 ±1.13	7.81 ±0.79	8.43 ±0.75	8.90 ±0.75	9.55 ±0.64	7.28 ±1.41
살치살	2.98 ±0.30	3.06 ±0.30	3.61 ±0.42	3.95 ±0.70	4.11 ±0.65	4.95 ±0.85	4.68 ±0.72	5.14 ±0.63	5.69 ±0.84	4.19 ±1.02
채끝살	7.21 ±0.76	7.08 ±0.55	8.04 ±0.54	8.57 ±0.68	9.25 ±1.03	9.72 ±0.88	10.70 ±0.90	11.26 ±1.34	11.42 ±0.80	9.13 ±1.65
목심살	13.90 ±5.38	14.55 ±2.30	17.73 ±3.99	21.56 ±5.31	23.13 ±4.64	27.97 ±7.77	31.65 ±6.74	33.38 ±8.23	38.97 ±7.00	24.11 ±9.54
꾸리살	2.34 ±0.25	2.55 ±0.25	2.87 ±0.22	2.97 ±0.32	3.08 ±0.22	3.43 ±0.25	3.76 ±0.32	4.15 ±0.34	4.38 ±0.41	3.23 ±0.67
부채살	3.56 ±0.39	3.65 ±0.32	3.96 ±0.34	4.27 ±0.47	4.57 ±0.48	5.05 ±0.59	5.38 ±0.31	6.22 ±0.54	6.09 ±0.64	4.66 ±0.98
앞다리살	9.42 ±1.30	10.01 ±0.90	11.31 ±1.21	12.60 ±1.56	13.20 ±1.09	15.06 ±1.83	16.27 ±1.32	17.56 ±1.54	19.33 ±2.03	13.62 ±3.31
갈비덧살	1.83 ±0.27	1.84 ±0.29	2.12 ±0.32	2.17 ±0.44	2.34 ±0.55	2.58 ±0.53	2.81 ±0.73	3.05 ±0.39	3.08 ±0.42	2.39 ±0.61
부채덮개살	1.85 ±0.33	1.92 ±0.20	2.30 ±0.31	2.49 ±0.53	2.51 ±0.29	3.04 ±0.68	3.33 ±0.67	3.64 ±0.66	3.98 ±0.66	2.73 ±0.82
우둔살	14.84 ±1.00	15.27 ±1.61	16.48 ±1.23	17.84 ±1.28	18.19 ±1.42	20.38 ±1.93	22.86 ±1.78	23.53 ±0.95	24.78 ±1.51	19.06 ±3.54
홍두깨살	3.77 ±0.36	3.64 ±0.54	3.94 ±0.54	4.52 ±0.58	4.64 ±0.56	5.19 ±0.86	5.62 ±0.63	6.12 ±0.91	6.44 ±0.67	4.78 ±1.10
보섭살	8.57 ±0.52	8.75 ±0.77	9.77 ±0.77	10.54 ±0.93	11.03 ±1.01	12.54 ±1.23	13.53 ±0.96	14.78 ±0.68	15.42 ±1.01	11.46 ±2.39
설깃살	10.19 ±0.81	10.26 ±0.95	11.39 ±0.94	12.68 ±1.12	13.37 ±1.02	14.59 ±1.46	16.63 ±1.02	17.61 ±0.89	18.45 ±1.26	13.65 ±2.93
설깃머리살	3.30 ±0.37	3.40 ±0.46	3.70 ±0.35	4.16 ±0.55	4.40 ±0.39	4.96 ±0.61	5.41 ±0.48	6.05 ±0.54	6.14 ±0.63	4.52 ±1.07
도가니살	8.61 ±0.59	9.20 ±0.72	9.97 ±0.76	10.50 ±0.72	10.91 ±0.74	11.79 ±1.11	13.43 ±0.60	13.81 ±0.56	14.44 ±1.02	11.26 ±1.98

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	10	17	16	10	11	10	8	9	98
삼각살	1.98 ±0.11	2.07 ±0.28	2.32 ±0.22	2.58 ±0.26	2.85 ±0.24	3.12 ±0.40	3.31 ±0.31	3.58 ±0.40	3.85 ±0.33	2.80 ±0.65
양지머리	12.88 ±1.05	13.75 ±1.36	14.94 ±1.87	16.98 ±2.37	17.72 ±2.23	20.88 ±3.05	23.00 ±2.88	24.55 ±4.45	27.10 ±3.78	18.68 ±5.13
차돌박이	5.59 ±0.62	5.94 ±0.64	6.03 ±0.93	6.31 ±0.72	6.73 ±0.80	7.30 ±0.92	7.82 ±0.82	7.47 ±1.29	8.37 ±1.16	6.76 ±1.21
업진살	7.33 ±0.56	6.87 ±0.61	7.71 ±0.98	8.63 ±1.08	9.68 ±1.39	9.74 ±1.35	10.73 ±1.34	11.38 ±0.82	12.36 ±1.23	9.21 ±1.99
업진안살	1.34 ±0.12	1.31 ±0.18	1.49 ±0.19	1.65 ±0.21	1.78 ±0.35	1.87 ±0.34	2.10 ±0.37	2.13 ±0.35	2.44 ±0.42	1.76 ±0.44
치마양지	8.36 ±0.66	8.42 ±0.92	9.61 ±0.76	10.59 ±0.77	12.77 ±0.97	12.98 ±1.42	13.89 ±2.10	14.57 ±1.36	15.98 ±1.13	11.69 ±2.70
치마살	2.62 ±0.24	2.65 ±0.20	3.11 ±0.26	3.32 ±0.34	3.78 ±0.37	4.08 ±0.47	4.40 ±0.59	4.62 ±0.33	5.14 ±0.35	3.68 ±0.86
앞치마살	1.88 ±0.31	1.88 ±0.29	2.03 ±0.22	2.23 ±0.20	2.73 ±0.28	2.79 ±0.36	2.84 ±0.49	3.22 ±0.28	3.49 ±0.29	2.51 ±0.60
앞사태	5.73 ±0.45	5.89 ±0.55	6.35 ±0.47	7.17 ±0.71	7.39 ±0.48	8.24 ±0.62	9.11 ±0.56	9.52 ±0.70	9.91 ±0.85	7.58 ±1.51
뒷사태	7.03 ±0.60	7.24 ±0.69	7.64 ±0.60	8.34 ±0.90	8.40 ±0.78	9.30 ±0.76	10.39 ±0.66	11.11 ±0.61	11.31 ±0.95	8.83 ±1.61
뭉치사태	3.54 ±0.31	3.57 ±0.36	3.78 ±0.33	4.13 ±0.44	4.28 ±0.45	4.61 ±0.46	5.08 ±0.40	5.44 ±0.33	5.55 ±0.43	4.37 ±0.78
아롱사태	0.56 ±0.06	0.57 ±0.05	0.63 ±0.09	0.68 ±0.12	0.69 ±0.08	0.76 ±0.07	0.85 ±0.08	0.90 ±0.09	0.89 ±0.09	0.72 ±0.14
상박살	0.94 ±0.10	1.01 ±0.16	1.12 ±0.10	1.22 ±0.13	1.28 ±0.09	1.45 ±0.20	1.60 ±0.13	1.74 ±0.15	1.79 ±0.14	1.33 ±0.30
본갈비	5.00 ±0.60	4.95 ±0.68	5.98 ±0.58	6.52 ±0.95	7.04 ±0.48	7.70 ±1.29	8.98 ±1.15	9.01 ±0.75	10.01 ±0.97	7.12 ±1.80
꽃갈비	7.05 ±0.55	7.21 ±0.35	8.32 ±0.61	8.99 ±0.93	9.81 ±0.80	11.04 ±1.05	11.56 ±0.72	12.33 ±0.84	13.75 ±1.49	9.84 ±2.21
참갈비	6.36 ±0.83	6.22 ±0.56	7.32 ±0.87	8.15 ±0.92	8.90 ±0.84	10.24 ±1.32	10.93 ±1.14	11.40 ±0.99	12.61 ±1.48	8.95 ±2.26
갈비살	12.57 ±1.24	12.33 ±1.04	14.78 ±1.48	16.30 ±1.69	18.13 ±1.61	20.36 ±2.61	22.38 ±0.89	23.21 ±1.61	25.68 ±2.79	18.05 ±4.57
마구리	6.36 ±0.43	7.24 ±0.50	7.91 ±1.09	8.14 ±1.27	7.81 ±1.33	8.82 ±1.42	9.77 ±1.99	10.59 ±1.85	11.58 ±1.44	8.60 ±1.91
토시살	0.75 ±0.11	0.74 ±0.09	0.87 ±0.07	0.88 ±0.11	0.98 ±0.11	1.05 ±0.08	1.16 ±0.15	1.23 ±0.14	1.35 ±0.11	0.98 ±0.21
안창살	1.26 ±0.20	1.14 ±0.17	1.35 ±0.15	1.42 ±0.16	1.62 ±0.19	1.66 ±0.19	1.87 ±0.34	1.92 ±0.14	2.04 ±0.32	1.56 ±0.35
제비추리	0.61 ±0.12	0.69 ±0.07	0.80 ±0.09	0.88 ±0.23	0.87 ±0.15	1.07 ±0.26	1.05 ±0.17	1.26 ±0.20	1.33 ±0.25	0.94 ±0.27

*평균±표준편차

표 110 육량 B등급 한우 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
거래정육중(소분할)	154.12 ±16.33	170.36 ±5.68	185.55 ±10.90	206.94 ±10.87	223.30 ±12.56	244.46 ±11.64	255.68 ±11.76	278.79 ±10.69	306.88 ±23.67	228.17 ±44.63
안심살	4.97 ±0.26	5.74 ±0.42	6.04 ±0.32	6.65 ±0.45	7.13 ±0.47	7.58 ±0.49	7.87 ±0.57	8.60 ±0.82	9.30 ±0.57	7.18 ±1.26
윗등심살	9.77 ±1.85	10.40 ±0.99	11.53 ±0.76	13.98 ±1.50	14.56 ±1.83	16.56 ±1.40	17.52 ±1.54	18.70 ±1.19	19.54 ±2.04	15.08 ±3.39
꽃등심살	6.57 ±0.47	7.11 ±0.73	7.96 ±0.50	9.01 ±0.89	9.63 ±0.83	10.70 ±0.91	11.26 ±1.35	11.80 ±1.62	13.87 ±2.02	9.93 ±2.28
아래등심살	4.60 ±0.35	5.32 ±0.85	6.04 ±0.44	6.64 ±0.73	7.38 ±0.95	7.75 ±0.78	8.20 ±0.84	8.98 ±1.44	9.29 ±1.17	7.25 ±1.58
살치살	2.54 ±0.30	2.86 ±0.58	3.28 ±0.31	3.86 ±0.62	4.12 ±0.73	4.47 ±0.58	4.66 ±0.72	5.25 ±0.75	5.19 ±1.15	4.11 ±1.04
채끝살	5.95 ±0.60	7.30 ±0.20	8.03 ±0.76	8.82 ±0.82	9.47 ±0.52	10.22 ±1.05	10.48 ±0.78	11.00 ±0.90	13.07 ±1.33	9.52 ±1.94
목심살	13.79 ±4.41	13.12 ±1.70	14.63 ±1.86	16.97 ±3.16	18.54 ±1.28	20.88 ±3.23	21.63 ±1.94	24.96 ±3.77	25.75 ±4.88	19.14 ±4.94
꾸리살	2.18 ±0.22	2.38 ±0.13	2.60 ±0.26	2.79 ±0.20	3.13 ±0.20	3.39 ±0.26	3.45 ±0.28	4.02 ±0.40	4.13 ±0.52	3.14 ±0.64
부채살	3.29 ±0.20	3.39 ±0.39	3.87 ±0.26	4.30 ±0.41	4.72 ±0.65	5.18 ±0.40	5.43 ±0.62	6.12 ±0.68	6.19 ±0.77	4.79 ±1.05
앞다리살	8.80 ±1.40	9.04 ±0.42	9.82 ±0.85	11.22 ±1.10	12.19 ±0.90	13.62 ±1.12	14.13 ±1.14	16.07 ±1.20	17.26 ±2.00	12.60 ±2.80
갈비덧살	1.66 ±0.37	1.66 ±0.27	1.80 ±0.34	2.07 ±0.52	2.10 ±0.46	2.22 ±0.47	2.45 ±0.44	2.92 ±0.67	2.95 ±0.56	2.22 ±0.61
부채덮개살	1.81 ±0.26	1.86 ±0.26	2.00 ±0.15	2.11 ±0.25	2.38 ±0.19	2.60 ±0.28	2.51 ±0.23	2.84 ±0.32	3.09 ±0.45	2.37 ±0.46
우둔살	13.16 ±1.51	14.75 ±0.76	16.05 ±0.95	17.04 ±0.96	18.50 ±1.75	19.28 ±1.48	19.69 ±1.19	21.82 ±1.50	23.52 ±2.37	18.35 ±3.05
홍두깨살	3.24 ±0.70	3.40 ±0.36	3.82 ±0.38	4.07 ±0.46	4.26 ±0.71	4.51 ±0.40	4.87 ±0.49	5.25 ±0.46	5.86 ±0.85	4.40 ±0.88
보섭살	7.55 ±0.98	8.62 ±0.51	9.57 ±0.50	10.19 ±0.46	10.79 ±0.77	11.44 ±0.74	11.85 ±0.78	13.24 ±0.88	14.49 ±1.28	10.96 ±1.94
설깃살	8.67 ±1.11	9.99 ±0.59	11.04 ±0.93	12.30 ±0.54	13.25 ±0.94	13.97 ±1.09	14.10 ±0.95	15.60 ±1.23	16.99 ±1.77	13.05 ±2.40
설깃머리살	2.72 ±0.39	3.06 ±0.34	3.65 ±0.51	4.20 ±0.40	4.38 ±0.41	4.83 ±0.41	4.86 ±0.50	5.29 ±0.51	6.14 ±0.64	4.43 ±1.00
도가니살	7.94 ±0.70	8.63 ±0.50	9.53 ±0.95	10.09 ±0.46	11.04 ±0.50	11.80 ±0.69	12.28 ±0.72	14.02 ±1.43	14.60 ±1.42	11.19 ±2.08

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
삼각살	1.80 ±0.33	2.24 ±0.22	2.36 ±0.23	2.47 ±0.24	2.58 ±0.23	2.84 ±0.30	2.93 ±0.28	3.23 ±0.21	3.73 ±0.47	2.71 ±0.54
양지머리	11.47 ±2.19	13.27 ±0.92	13.82 ±1.23	15.48 ±1.61	15.92 ±1.90	19.43 ±2.57	19.54 ±2.58	20.57 ±1.96	26.20 ±3.90	17.56 ±4.43
차돌박이	4.12 ±0.82	5.37 ±1.06	6.11 ±1.21	6.33 ±1.04	6.37 ±0.97	7.64 ±1.43	7.63 ±1.25	6.86 ±0.83	9.17 ±1.94	6.80 ±1.70
업진살	6.01 ±1.11	7.26 ±0.72	8.13 ±0.61	8.70 ±0.75	9.61 ±1.14	10.13 ±1.24	11.58 ±1.60	11.32 ±1.59	12.82 ±1.84	9.70 ±2.23
업진안살	1.14 ±0.23	1.28 ±0.20	1.56 ±0.16	1.59 ±0.22	1.71 ±0.25	1.79 ±0.23	1.92 ±0.37	1.90 ±0.30	2.17 ±0.30	1.70 ±0.37
치마양지	7.25 ±0.65	8.78 ±0.81	9.21 ±0.84	10.64 ±1.55	11.61 ±1.21	12.91 ±1.67	14.16 ±1.11	14.84 ±1.29	16.86 ±1.59	12.03 ±2.96
치마살	2.26 ±0.26	2.71 ±0.22	2.89 ±0.17	3.35 ±0.30	3.55 ±0.34	4.02 ±0.35	4.39 ±0.47	4.54 ±0.38	5.25 ±0.35	3.74 ±0.89
앞치마살	1.64 ±0.18	1.81 ±0.24	1.98 ±0.25	2.25 ±0.49	2.60 ±0.37	2.66 ±0.33	3.06 ±0.29	3.36 ±0.28	3.75 ±0.58	2.59 ±0.71
앞사태	5.56 ±0.58	5.82 ±0.61	5.92 ±0.46	6.55 ±0.47	7.34 ±0.48	7.89 ±0.80	8.18 ±0.46	8.99 ±1.07	9.78 ±1.28	7.39 ±1.44
뒷사태	6.31 ±0.48	6.68 ±0.33	7.30 ±0.59	7.64 ±0.50	8.64 ±0.76	9.08 ±0.68	9.21 ±0.64	10.22 ±0.62	10.86 ±0.75	8.50 ±1.45
뭉치사태	3.04 ±0.29	3.26 ±0.14	3.63 ±0.36	3.74 ±0.25	4.35 ±0.47	4.44 ±0.41	4.50 ±0.35	5.06 ±0.39	5.13 ±0.42	4.15 ±0.71
아롱사태	0.52 ±0.07	0.53 ±0.07	0.57 ±0.08	0.61 ±0.07	0.71 ±0.05	0.76 ±0.07	0.77 ±0.09	0.86 ±0.10	0.86 ±0.08	0.69 ±0.14
상박살	0.96 ±0.08	0.96 ±0.07	1.02 ±0.09	1.13 ±0.09	1.28 ±0.09	1.36 ±0.16	1.41 ±0.12	1.62 ±0.16	1.71 ±0.19	1.28 ±0.26
본갈비	4.73 ±0.58	5.04 ±0.44	5.32 ±0.50	5.92 ±0.86	6.73 ±0.95	7.25 ±0.88	7.77 ±0.71	8.22 ±0.53	9.44 ±1.48	6.79 ±1.58
꽃갈비	6.67 ±0.34	7.38 ±0.56	8.22 ±0.58	8.91 ±0.94	9.43 ±1.09	10.72 ±0.98	11.64 ±0.98	11.71 ±0.76	14.44 ±1.02	10.06 ±2.26
참갈비	5.82 ±0.54	6.79 ±0.87	6.95 ±0.84	8.77 ±1.34	9.41 ±1.39	9.76 ±1.41	10.64 ±0.88	12.13 ±1.66	12.17 ±1.46	9.31 ±2.24
갈비살	11.28 ±0.78	13.16 ±1.45	14.07 ±1.40	16.50 ±1.84	17.82 ±2.83	19.63 ±1.85	21.53 ±1.43	22.61 ±1.54	25.92 ±1.89	18.40 ±4.40
마구리	6.70 ±1.09	6.63 ±1.41	8.46 ±1.69	7.18 ±1.58	7.77 ±1.32	8.64 ±1.50	8.93 ±1.41	9.62 ±1.47	11.96 ±2.34	8.41 ±2.07
토시살	0.63 ±0.05	0.78 ±0.09	0.78 ±0.06	0.89 ±0.07	0.95 ±0.05	1.05 ±0.11	1.11 ±0.12	1.22 ±0.13	1.36 ±0.14	0.99 ±0.22
안창살	1.03 ±0.05	1.29 ±0.18	1.31 ±0.15	1.51 ±0.15	1.56 ±0.17	1.79 ±0.21	1.79 ±0.16	2.04 ±0.19	2.13 ±0.17	1.63 ±0.34
제비추리	0.63 ±0.09	0.62 ±0.09	0.68 ±0.09	0.77 ±0.11	0.80 ±0.13	0.85 ±0.13	0.86 ±0.14	1.03 ±0.09	1.04 ±0.15	0.81 ±0.17

*평균±표준편차

표 111 육량 C등급 한우 소분할 39개 부위 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
거래정육중(소분할)	175.58 ±12.87	200.64 ±13.69	220.53 ±12.71	228.93 ±12.58	249.46 ±13.33	264.62 ±12.34	291.29 ±14.75	296.29 ±21.99	234.43 ±34.68
안심살	5.42 ±0.46	6.43 ±0.65	6.98 ±0.38	7.33 ±0.50	7.87 ±0.44	8.43 ±0.61	9.03 ±0.63	9.04 ±1.10	7.42 ±1.11
윗등심살	11.92 ±1.60	13.00 ±1.52	14.40 ±1.46	15.00 ±2.09	17.12 ±2.04	17.77 ±1.47	20.16 ±2.72	19.05 ±0.79	15.62 ±2.94
꽃등심살	8.19 ±1.11	8.92 ±0.91	10.04 ±1.04	9.82 ±1.02	11.17 ±1.04	11.54 ±1.17	12.82 ±0.77	12.85 ±1.03	10.39 ±1.66
아래등심살	5.67 ±1.02	6.63 ±0.58	7.32 ±0.62	7.20 ±0.93	7.87 ±0.89	8.32 ±1.30	9.13 ±0.81	8.56 ±1.26	7.48 ±1.22
살치살	3.00 ±0.62	3.71 ±0.61	4.02 ±0.72	4.06 ±0.62	4.60 ±0.66	4.89 ±0.71	5.65 ±0.93	5.46 ±0.68	4.30 ±0.94
채끝살	7.47 ±0.74	9.04 ±0.80	9.50 ±0.84	9.60 ±0.75	10.42 ±1.08	10.65 ±0.85	12.41 ±0.93	12.29 ±1.13	9.94 ±1.45
목심살	15.05 ±3.52	16.04 ±1.84	17.86 ±1.53	18.84 ±3.06	21.04 ±2.78	22.02 ±2.46	23.70 ±4.43	23.46 ±2.36	19.27 ±3.73
꾸리살	2.49 ±0.27	2.68 ±0.28	2.92 ±0.25	3.09 ±0.31	3.32 ±0.24	3.51 ±0.32	3.93 ±0.35	4.16 ±0.60	3.14 ±0.52
부채살	3.67 ±0.31	4.08 ±0.49	4.30 ±0.43	4.69 ±0.37	5.16 ±0.35	5.54 ±0.55	6.01 ±0.83	5.96 ±0.90	4.79 ±0.84
앞다리살	9.43 ±1.06	10.60 ±1.04	11.82 ±0.82	12.44 ±0.81	13.55 ±0.99	14.79 ±1.06	16.05 ±1.18	16.58 ±1.63	12.73 ±2.18
갈비덧살	1.49 ±0.37	1.83 ±0.28	2.01 ±0.42	2.22 ±0.38	2.36 ±0.36	2.63 ±0.63	2.55 ±0.69	2.87 ±0.43	2.20 ±0.55
부채덮개살	1.88 ±0.34	2.04 ±0.23	2.18 ±0.19	2.25 ±0.24	2.35 ±0.23	2.61 ±0.22	2.79 ±0.20	3.07 ±0.65	2.31 ±0.38
우둔살	14.04 ±1.54	16.68 ±1.44	17.77 ±1.67	18.24 ±1.26	19.67 ±1.44	20.45 ±1.30	22.24 ±1.27	23.43 ±3.02	18.65 ±2.61
홍두깨살	3.37 ±0.52	3.95 ±0.40	4.54 ±0.74	4.37 ±0.41	4.65 ±0.47	4.96 ±0.65	5.29 ±0.50	5.80 ±0.88	4.50 ±0.75
보섭살	8.22 ±0.84	9.84 ±0.69	10.45 ±0.87	10.90 ±0.70	11.65 ±0.61	12.36 ±0.97	13.39 ±0.78	14.08 ±1.29	11.09 ±1.58
설깃살	9.68 ±1.29	11.81 ±0.92	12.93 ±0.94	13.46 ±0.91	14.37 ±1.15	15.19 ±1.18	17.02 ±1.20	16.87 ±2.16	13.60 ±2.14
설깃머리살	3.32 ±0.45	4.00 ±0.50	4.46 ±0.48	4.55 ±0.41	4.93 ±0.57	5.11 ±0.53	5.90 ±0.88	5.68 ±0.75	4.64 ±0.82
도가니살	8.14 ±0.58	9.61 ±0.79	10.52 ±0.67	11.24 ±1.01	11.94 ±0.92	12.75 ±0.64	13.68 ±0.78	13.63 ±1.45	11.22 ±1.71

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
삼각살	2.05 ±0.22	2.42 ±0.23	2.65 ±0.24	2.75 ±0.20	2.93 ±0.25	2.98 ±0.30	3.49 ±0.28	3.49 ±0.38	2.77 ±0.43
양지머리	13.82 ±1.58	14.96 ±1.90	16.98 ±1.90	16.80 ±1.29	17.85 ±1.84	20.38 ±3.02	23.68 ±3.76	26.00 ±4.39	17.79 ±3.69
차돌박이	5.62 ±1.12	6.45 ±0.98	6.90 ±1.09	6.72 ±0.92	7.21 ±1.04	7.69 ±1.31	8.96 ±2.54	9.69 ±2.10	7.12 ±1.52
업진살	7.93 ±0.80	9.07 ±1.23	10.20 ±1.44	10.23 ±1.08	11.74 ±1.62	12.01 ±1.79	13.36 ±1.99	12.41 ±1.92	10.69 ±2.05
업진안살	1.35 ±0.25	1.59 ±0.26	1.73 ±0.27	1.64 ±0.33	1.77 ±0.43	1.95 ±0.30	1.98 ±0.48	2.19 ±0.52	1.74 ±0.38
치마양지	8.91 ±1.00	10.51 ±1.20	11.94 ±1.21	12.93 ±1.14	14.19 ±1.58	14.09 ±1.84	15.67 ±2.17	16.62 ±2.25	12.78 ±2.44
치마살	2.71 ±0.20	3.20 ±0.36	3.62 ±0.25	3.97 ±0.28	4.29 ±0.44	4.43 ±0.74	4.60 ±1.00	4.73 ±0.74	3.88 ±0.75
앞치마살	1.91 ±0.26	2.25 ±0.31	2.56 ±0.44	2.76 ±0.32	3.09 ±0.36	3.03 ±0.43	3.56 ±0.67	3.43 ±0.73	2.76 ±0.59
앞사태	5.73 ±0.88	6.40 ±0.57	6.87 ±0.48	7.32 ±0.44	7.84 ±0.54	8.46 ±0.67	8.80 ±0.64	9.57 ±1.21	7.41 ±1.13
뒷사태	6.48 ±0.89	7.61 ±0.68	8.16 ±0.66	8.36 ±0.50	8.95 ±0.70	9.41 ±0.46	10.18 ±0.54	10.59 ±1.20	8.53 ±1.17
뭉치사태	3.16 ±0.48	3.73 ±0.31	4.07 ±0.40	4.14 ±0.29	4.39 ±0.37	4.56 ±0.29	5.01 ±0.30	5.13 ±0.64	4.19 ±0.58
아롱사태	0.50 ±0.08	0.60 ±0.10	0.66 ±0.07	0.67 ±0.06	0.76 ±0.10	0.79 ±0.08	0.84 ±0.08	0.81 ±0.16	0.69 ±0.13
상박살	0.99 ±0.19	1.10 ±0.13	1.19 ±0.11	1.27 ±0.10	1.38 ±0.11	1.50 ±0.11	1.51 ±0.11	1.69 ±0.21	1.29 ±0.21
본갈비	5.27 ±0.87	5.56 ±0.72	6.43 ±0.67	6.55 ±0.62	7.14 ±0.68	8.13 ±0.95	9.16 ±1.25	9.32 ±0.55	6.87 ±1.40
꽃갈비	8.04 ±0.69	8.54 ±0.97	9.53 ±0.90	10.08 ±0.41	11.15 ±1.05	12.19 ±1.08	13.68 ±1.14	14.38 ±0.78	10.47 ±1.97
참갈비	6.85 ±0.87	8.22 ±0.87	8.36 ±1.03	10.01 ±1.51	10.62 ±1.19	11.54 ±1.31	12.59 ±3.62	12.82 ±3.09	9.82 ±2.25
갈비살	13.94 ±1.40	15.80 ±1.70	17.42 ±1.68	19.15 ±1.44	20.63 ±2.06	22.76 ±1.84	25.15 ±3.97	25.19 ±3.09	19.33 ±3.80
마구리	8.26 ±1.52	7.57 ±1.33	7.76 ±1.12	8.07 ±1.63	8.59 ±1.95	9.41 ±2.51	9.45 ±1.90	11.84 ±4.51	8.46 ±2.05
토시살	0.72 ±0.07	0.87 ±0.09	0.98 ±0.11	0.99 ±0.12	1.08 ±0.13	1.16 ±0.11	1.24 ±0.13	1.20 ±0.04	1.02 ±0.17
안창살	1.19 ±0.07	1.44 ±0.17	1.63 ±0.15	1.67 ±0.15	1.79 ±0.20	1.88 ±0.21	2.06 ±0.18	2.07 ±0.21	1.68 ±0.28
제비추리	0.70 ±0.16	0.78 ±0.11	0.79 ±0.14	0.79 ±0.11	0.86 ±0.11	0.94 ±0.08	0.96 ±0.16	0.97 ±0.17	0.84 ±0.14

*평균±표준편차

표 112 도체등급에 따른 한우 소분할 39개 부위 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
거래정육중 (소분할)	267.22 ±28.33	244.93 ±36.18	228.19 ±35.50	223.27 ±45.06	230.90 ±53.71	238.72 ±53.19	228.17 ±44.63	234.43 ±34.68
안심살	8.29 ±0.79	7.71 ±1.16	7.22 ±1.14	7.00 ±1.21	6.90 ±1.22	7.13 ±1.30	7.18 ±1.26	7.42 ±1.11
윗등심살	18.11 ±1.73	16.76 ±2.92	15.31 ±3.11	14.47 ±3.24	15.60 ±4.53	16.34 ±4.38	15.08 ±3.39	15.62 ±2.94
꽃등심살	12.08 ±1.77	10.90 ±1.75	10.05 ±1.62	9.74 ±2.06	9.87 ±2.29	10.37 ±2.19	9.93 ±2.28	10.39 ±1.66
아래등심살	8.54 ±1.03	7.94 ±1.25	7.30 ±1.30	7.05 ±1.27	6.90 ±1.49	7.28 ±1.41	7.25 ±1.58	7.48 ±1.22
살치살	4.83 ±0.67	4.60 ±0.85	4.24 ±1.01	3.93 ±0.87	3.96 ±1.09	4.19 ±1.02	4.11 ±1.04	4.30 ±0.94
채끝살	11.96 ±1.67	10.33 ±1.39	9.52 ±1.40	9.09 ±1.48	8.80 ±1.62	9.13 ±1.65	9.52 ±1.94	9.94 ±1.45
목심살	22.81 ±3.20	20.64 ±4.09	18.51 ±3.55	18.87 ±6.47	23.73 ±9.63	24.11 ±9.54	19.14 ±4.94	19.27 ±3.73
꾸리살	3.50 ±0.44	3.30 ±0.51	3.10 ±0.52	3.09 ±0.66	3.13 ±0.70	3.23 ±0.67	3.14 ±0.64	3.14 ±0.52
부채살	5.57 ±0.77	5.15 ±0.86	4.74 ±0.90	4.51 ±0.90	4.48 ±0.95	4.66 ±0.98	4.79 ±1.05	4.79 ±0.84
앞다리살	14.62 ±2.23	13.43 ±2.35	12.64 ±2.22	12.20 ±2.81	13.15 ±3.40	13.62 ±3.31	12.60 ±2.80	12.73 ±2.18
갈비덧살	2.45 ±0.54	2.37 ±0.54	2.24 ±0.55	2.09 ±0.60	2.30 ±0.64	2.39 ±0.61	2.22 ±0.61	2.20 ±0.55
부채덮개살	2.49 ±0.45	2.42 ±0.39	2.28 ±0.40	2.36 ±0.58	2.72 ±0.80	2.73 ±0.82	2.37 ±0.46	2.31 ±0.38
우둔살	20.05 ±2.21	19.02 ±2.66	18.32 ±2.89	18.38 ±3.11	18.66 ±3.56	19.06 ±3.54	18.35 ±3.05	18.65 ±2.61
홍두깨살	4.86 ±0.59	4.58 ±0.78	4.31 ±0.72	4.48 ±1.05	4.73 ±1.08	4.78 ±1.10	4.40 ±0.88	4.50 ±0.75
보섭살	12.25 ±1.60	11.48 ±1.62	11.00 ±1.80	10.88 ±1.98	11.06 ±2.34	11.46 ±2.39	10.96 ±1.94	11.09 ±1.58
설깃살	14.94 ±1.76	13.99 ±2.15	13.15 ±2.12	13.05 ±2.57	13.24 ±2.94	13.65 ±2.93	13.05 ±2.40	13.60 ±2.14
설깃머리살	5.37 ±0.90	4.82 ±0.85	4.44 ±0.84	4.35 ±0.95	4.35 ±1.02	4.52 ±1.07	4.43 ±1.00	4.64 ±0.82
도가니살	12.50 ±1.53	11.75 ±1.78	11.19 ±1.77	10.99 ±1.92	10.76 ±2.03	11.26 ±1.98	11.19 ±2.08	11.22 ±1.71

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
삼각살	3.15 ±0.54	2.87 ±0.47	2.69 ±0.46	2.67 ±0.51	2.72 ±0.63	2.80 ±0.65	2.71 ±0.54	2.77 ±0.43
양지머리	20.36 ±3.60	18.50 ±3.75	17.17 ±3.48	17.40 ±4.77	18.25 ±5.24	18.68 ±5.13	17.56 ±4.43	17.79 ±3.69
차돌박이	7.79 ±1.42	7.15 ±1.59	6.86 ±1.44	6.91 ±1.42	6.54 ±1.48	6.76 ±1.21	6.80 ±1.70	7.12 ±1.52
업진살	12.19 ±1.95	10.83 ±2.06	9.91 ±1.83	9.45 ±2.19	9.03 ±1.95	9.21 ±1.99	9.70 ±2.23	10.69 ±2.05
업진안살	1.98 ±0.38	1.74 ±0.37	1.62 ±0.33	1.74 ±0.42	1.76 ±0.42	1.76 ±0.44	1.70 ±0.37	1.74 ±0.38
치마양지	15.03 ±2.05	13.36 ±2.39	12.34 ±2.64	11.49 ±2.62	11.13 ±2.49	11.69 ±2.70	12.03 ±2.96	12.78 ±2.44
치마살	4.67 ±0.55	4.07 ±0.72	3.78 ±0.78	3.55 ±0.82	3.51 ±0.81	3.68 ±0.86	3.74 ±0.89	3.88 ±0.75
앞치마살	3.45 ±0.61	2.87 ±0.61	2.64 ±0.58	2.44 ±0.51	2.39 ±0.60	2.51 ±0.60	2.59 ±0.71	2.76 ±0.59
앞사태	8.26 ±1.14	7.63 ±1.20	7.32 ±1.12	7.26 ±1.56	7.42 ±1.46	7.58 ±1.51	7.39 ±1.44	7.41 ±1.13
뒷사태	9.36 ±1.21	8.72 ±1.26	8.46 ±1.19	8.42 ±1.47	8.64 ±1.62	8.83 ±1.61	8.50 ±1.45	8.53 ±1.17
뭉치사태	4.52 ±0.51	4.26 ±0.64	4.17 ±0.63	4.16 ±0.72	4.27 ±0.80	4.37 ±0.78	4.15 ±0.71	4.19 ±0.58
아롱사태	0.78 ±0.12	0.73 ±0.13	0.69 ±0.12	0.68 ±0.14	0.69 ±0.14	0.72 ±0.14	0.69 ±0.14	0.69 ±0.13
상박살	1.43 ±0.24	1.34 ±0.23	1.26 ±0.23	1.26 ±0.27	1.30 ±0.29	1.33 ±0.30	1.28 ±0.26	1.29 ±0.21
본갈비	7.92 ±0.95	7.48 ±1.41	6.69 ±1.20	6.56 ±1.73	6.78 ±1.84	7.12 ±1.80	6.79 ±1.58	6.87 ±1.40
꽃갈비	12.40 ±1.59	10.94 ±2.00	10.05 ±1.81	9.67 ±2.10	9.49 ±2.20	9.84 ±2.21	10.06 ±2.26	10.47 ±1.97
참갈비	11.40 ±1.46	10.21 ±2.19	9.55 ±2.25	8.94 ±2.16	8.53 ±2.10	8.95 ±2.26	9.31 ±2.24	9.82 ±2.25
갈비살	22.99 ±2.26	20.43 ±3.73	18.69 ±3.72	17.66 ±4.10	17.02 ±4.46	18.05 ±4.57	18.40 ±4.40	19.33 ±3.80
마구리	9.46 ±2.51	8.22 ±1.83	8.12 ±1.73	8.27 ±2.17	8.91 ±1.97	8.60 ±1.91	8.41 ±2.07	8.46 ±2.05
토시살	1.19 ±0.16	1.07 ±0.18	0.98 ±0.17	0.95 ±0.20	0.95 ±0.21	0.98 ±0.21	0.99 ±0.22	1.02 ±0.17
안창살	1.92 ±0.25	1.76 ±0.29	1.64 ±0.30	1.59 ±0.30	1.49 ±0.33	1.56 ±0.35	1.63 ±0.34	1.68 ±0.28
제비추리	0.93 ±0.18	0.85 ±0.14	0.79 ±0.15	0.81 ±0.19	0.94 ±0.27	0.94 ±0.27	0.81 ±0.17	0.84 ±0.14

*평균±표준편차

표 113 도체등급에 따른 한우 암소의 소분할 39개 부위 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
거래정육중 (소분할)	245.20 ±28.74	208.12 ±25.46	212.04 ±29.61	204.62 ±33.85	193.26 ±24.30	191.12 ±22.41	199.99 ±33.23	214.91 ±28.28
안심살	7.57 ±0.66	6.74 ±0.96	6.81 ±0.91	6.60 ±0.99	6.36 ±0.77	6.30 ±0.73	6.51 ±0.98	6.87 ±0.90
윗등심살	16.76 ±1.71	13.75 ±2.09	13.96 ±2.26	12.98 ±2.39	12.03 ±1.90	12.32 ±2.15	12.78 ±2.58	13.78 ±2.05
꽃등심살	10.81 ±1.43	9.45 ±1.26	9.45 ±1.40	9.02 ±1.63	8.17 ±1.14	8.40 ±1.11	8.59 ±1.57	9.58 ±1.41
아래등심살	8.33 ±1.27	7.04 ±1.04	7.01 ±1.12	6.70 ±1.01	6.10 ±0.93	6.29 ±0.90	6.47 ±1.23	7.06 ±0.95
살치살	4.85 ±0.44	3.94 ±0.73	3.96 ±0.88	3.66 ±0.70	3.33 ±0.68	3.54 ±0.73	3.58 ±0.84	3.88 ±0.74
채끝살	12.01 ±1.74	9.51 ±1.29	9.35 ±1.35	8.73 ±1.27	8.32 ±1.29	8.12 ±0.95	8.63 ±1.61	9.57 ±1.19
목심살	20.18 ±3.52	16.43 ±3.14	16.78 ±2.83	16.09 ±3.47	15.22 ±2.49	15.11 ±2.75	15.80 ±3.36	16.93 ±2.92
꾸리살	3.29 ±0.41	2.81 ±0.37	2.85 ±0.43	2.83 ±0.51	2.67 ±0.42	2.65 ±0.34	2.79 ±0.49	2.88 ±0.46
부채살	4.88 ±0.43	4.23 ±0.56	4.33 ±0.82	4.16 ±0.70	3.90 ±0.54	3.83 ±0.39	4.13 ±0.78	4.32 ±0.66
앞다리살	12.62 ±1.60	10.97 ±1.52	11.37 ±1.75	10.83 ±1.88	10.49 ±1.51	10.41 ±1.27	10.73 ±1.97	11.32 ±1.64
갈비덧살	2.12 ±0.19	2.00 ±0.42	1.94 ±0.42	1.89 ±0.49	1.85 ±0.36	1.84 ±0.30	1.93 ±0.49	1.92 ±0.43
부채덮개살	2.15 ±0.15	1.99 ±0.28	2.09 ±0.36	2.11 ±0.36	2.12 ±0.27	2.01 ±0.28	2.11 ±0.35	2.13 ±0.32
우둔살	18.73 ±2.17	16.59 ±1.96	17.61 ±2.74	17.38 ±2.64	16.9 4±2.16	16.53 ±1.74	17.15 ±2.70	17.68 ±2.48
홍두깨살	4.82 ±0.93	4.15 ±0.75	4.12 ±0.73	4.18 ±0.89	4.11 ±0.67	4.02 ±0.58	4.04 ±0.82	4.34 ±0.80
보섭살	11.18 ±2.02	10.19 ±1.29	10.51 ±1.65	10.21 ±1.52	9.82 ±1.14	9.77 ±1.12	10.11 ±1.58	10.46 ±1.43
설깃살	13.65 ±1.09	12.23 ±1.69	12.55 ±2.00	12.19 ±2.10	11.64 ±1.66	11.48 ±1.48	11.95 ±2.11	12.65 ±1.82
설깃머리살	4.77 ±0.59	4.17 ±0.64	4.22 ±0.83	4.05 ±0.82	3.83 ±0.66	3.81 ±0.65	3.97 ±0.86	4.26 ±0.69
도가니살	10.99 ±1.40	10.06 ±1.17	10.34 ±1.61	10.27 ±1.60	9.67 ±1.15	9.65 ±1.00	10.05 ±1.55	10.40 ±1.50

구분	육질등급					육량등급		
	1⁺⁺	1⁺	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
삼각살	2.86 ±0.56	2.56 ±0.42	2.60 ±0.46	2.50 ±0.42	2.40 ±0.33	2.38 ±0.34	2.46 ±0.44	2.62 ±0.40
양지머리	17.62 ±1.73	15.24 ±2.17	15.67 ±2.10	15.46 ±3.40	14.53 ±2.39	14.16 ±2.07	14.78 ±2.67	16.26 ±2.82
차돌박이	7.51 ±0.29	6.10 ±0.96	6.51 ±0.95	6.78 ±1.54	5.84 ±1.13	6.02 ±0.83	6.13 ±1.32	6.83 ±1.36
업진살	11.52 ±1.95	9.47 ±1.43	9.47 ±1.60	8.84 ±2.05	8.12 ±1.38	7.65 ±1.03	8.51 ±1.61	9.89 ±1.79
업진안살	2.06 ±0.36	1.65 ±0.33	1.66 ±0.31	1.66 ±0.38	1.57 ±0.28	1.51 ±0.29	1.59 ±0.30	1.76 ±0.36
치마양지	13.95 ±2.34	11.34 ±1.98	11.25 ±2.28	10.60 ±2.16	10.02 ±1.74	9.92 ±2.02	10.30 ±2.25	11.55 ±1.86
치마살	4.14 ±0.68	3.44 ±0.46	3.43 ±0.63	3.28 ±0.71	3.12 ±0.46	3.04 ±0.45	3.19 ±0.62	3.54 ±0.62
앞치마살	3.27 ±0.20	2.41 ±0.53	2.40 ±0.54	2.31 ±0.50	2.09 ±0.44	2.12 ±0.49	2.21 ±0.55	2.48 ±0.47
앞사태	7.45 ±1.54	6.34 ±0.89	6.68 ±1.01	6.65 ±1.27	6.38 ±0.75	6.16 ±0.71	6.48 ±1.06	6.83 ±1.13
뒷사태	8.34 ±1.14	7.54 ±1.02	7.99 ±1.08	7.86 ±1.21	7.62 ±0.99	7.49 ±0.72	7.71 ±1.20	8.02 ±1.13
뭉치사태	4.06 ±0.47	3.71 ±0.54	3.95 ±0.59	3.89 ±0.58	3.82 ±0.54	3.77 ±0.39	3.82 ±0.64	3.95 ±0.55
아롱사태	0.67 ±0.09	0.60 ±0.09	0.63 ±0.10	0.63 ±0.12	0.60 ±0.10	0.60 ±0.10	0.61 ±0.11	0.63 ±0.11
상박살	1.24 ±0.24	1.11 ±0.17	1.14 ±0.19	1.16 ±0.23	1.11 ±0.17	1.05 ±0.17	1.13 ±0.19	1.19 ±0.21
본갈비	7.94 ±1.33	5.97 ±0.98	5.90 ±0.88	5.87 ±1.35	5.40 ±0.79	5.42 ±0.91	5.75 ±1.11	6.05 ±1.21
꽃갈비	12.53 ±1.79	8.98 ±1.19	9.15 ±1.40	8.85 ±1.80	8.14 ±1.18	7.95 ±1.13	8.67 ±1.56	9.38 ±1.70
참갈비	10.67 ±1.84	8.38 ±1.39	8.39 ±1.72	8.15 ±1.56	7.37 ±1.23	7.03 ±1.23	7.95 ±1.62	8.69 ±1.43
갈비살	22.45 ±2.87	16.73 ±2.36	16.70 ±2.79	15.93 ±3.09	14.23 ±2.28	14.10 ±2.38	15.40 ±2.94	17.16 ±2.90
마구리	8.43 ±1.13	7.08 ±1.59	7.55 ±1.47	7.89 ±2.41	8.17 ±1.91	7.15 ±1.40	7.60 ±1.84	8.32 ±2.25
토시살	1.14 ±0.10	0.94 ±0.16	0.92 ±0.16	0.88 ±0.16	0.84 ±0.12	0.84 ±0.12	0.87 ±0.16	0.94 ±0.15
안창살	1.78 ±0.11	1.62 ±0.27	1.57 ±0.27	1.50 ±0.26	1.35 ±0.21	1.39 ±0.24	1.47 ±0.28	1.57 ±0.24
제비추리	0.86 ±0.11	0.76 ±0.15	0.73 ±0.14	0.74 ±0.15	0.74 ±0.11	0.68 ±0.10	0.72 ±0.13	0.79 ±0.14

*평균±표준편차

표 114 도체등급에 따른 한우 수소의 소분할 39개 부위 생산량(단위: kg)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
거래정육중 (소분할)	262.02 ±52.65	256.23 ±53.34	263.96 ±47.92	231.95 ±69.89	181.29 ±5.86
안심살	7.42 ±1.40	7.27 ±1.34	7.48 ±1.21	6.54 ±1.71	5.27 ±0.09
윗등심살	18.04 ±2.95	18.00 ±4.18	18.55 ±3.74	15.64 ±4.65	13.41 ±1.24
꽃등심살	11.62 ±2.42	11.02 ±2.16	11.35 ±1.88	10.17 ±3.59	8.70 ±0.44
아래등심살	7.78 ±1.48	7.44 ±1.56	7.73 ±1.28	6.49 ±2.41	5.30 ±1.11
살치살	4.22 ±1.01	4.38 ±1.13	4.48 ±1.00	3.98 ±1.49	2.77 ±0.81
채끝살	9.47 ±1.81	9.13 ±1.74	9.42 ±1.51	8.30 ±2.57	6.59 ±0.35
목심살	27.92 ±9.10	29.46 ±8.30	30.20 ±8.23	25.20 ±8.05	19.56 ±1.47
꾸리살	3.52 ±0.64	3.44 ±0.68	3.52 ±0.62	3.20 ±0.90	2.85 ±0.16
부채살	4.94 ±0.81	4.86 ±0.98	4.96 ±0.89	4.65 ±1.26	3.65 ±0.30
앞다리살	14.94 ±2.54	14.93 ±3.14	15.31 ±2.86	13.55 ±3.54	10.79 ±0.30
갈비덧살	2.30 ±0.51	2.61 ±0.60	2.64 ±0.58	2.27 ±0.45	1.63 ±0.36
부채덮개살	2.99 ±0.79	3.12 ±0.79	3.20 ±0.77	2.70 ±0.73	2.30 ±0.06
우둔살	20.59 ±3.54	19.81 ±3.85	20.53 ±3.31	17.69 ±4.91	13.53 ±1.80
홍두깨살	5.31 ±1.33	5.15 ±1.11	5.30 ±1.05	4.86 ±1.40	3.34 ±0.60
보섭살	12.47 ±2.52	11.89 ±2.58	12.35 ±2.27	10.63 ±3.32	7.67 ±0.60
설깃살	14.74 ±3.26	14.32 ±3.13	14.82 ±2.74	12.88 ±4.34	9.26 ±1.61
설깃머리살	4.83 ±1.09	4.70 ±1.07	4.85 ±0.94	4.27 ±1.60	3.39 ±0.49
도가니살	12.36 ±1.93	11.49 ±2.16	11.91 ±1.81	10.81 ±3.17	7.70 ±0.41

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
삼각살	3.00 ±0.58	2.93 ±0.70	3.04 ±0.61	2.61 ±0.83	1.85 ±0.06
양지머리	21.50 ±6.34	20.75 ±5.16	21.32 ±5.05	19.46 ±6.85	14.94 ±0.06
차돌박이	6.99 ±1.23	7.01 ±1.51	7.25 ±1.23	5.96 ±2.12	4.87 ±0.62
업진살	9.95 ±2.09	9.65 ±2.06	9.95 ±1.93	8.58 ±2.45	7.50 ±0.56
업진안살	1.89 ±0.46	1.89 ±0.45	1.96 ±0.42	1.61 ±0.41	1.21 ±0.06
치마양지	12.56 ±3.28	11.88 ±2.65	12.22 ±2.46	11.36 ±4.06	8.32 ±0.32
치마살	3.94 ±1.00	3.78 ±0.88	3.90 ±0.81	3.49 ±1.25	2.58 ±0.05
앞치마살	2.47 ±0.40	2.60 ±0.60	2.65 ±0.55	2.25 ±0.52	1.83 ±0.16
앞사태	8.26 ±1.78	8.12 ±1.41	8.25 ±1.34	7.88 ±2.12	6.28 ±0.42
뒷사태	9.44 ±1.64	9.33 ±1.61	9.58 ±1.40	8.52 ±2.12	6.51 ±0.04
뭉치사태	4.70 ±0.76	4.58 ±0.81	4.72 ±0.68	4.16 ±1.08	3.12 ±0.11
아롱사태	0.76 ±0.16	0.75 ±0.13	0.77 ±0.12	0.68 ±0.16	0.50 ±0.01
상박살	1.40 ±0.27	1.43 ±0.28	1.45 ±0.26	1.34 ±0.37	1.09 ±0.07
본갈비	8.24 ±1.98	7.72 ±1.75	7.91 ±1.63	7.49 ±2.68	6.06 ±1.25
꽃갈비	10.64 ±1.76	10.40 ±2.26	10.68 ±2.04	9.38 ±2.81	8.33 ±0.44
참갈비	9.40 ±1.79	9.31 ±2.22	9.60 ±1.95	8.33 ±2.72	5.94 ±0.40
갈비살	20.24 ±4.18	18.90 ±4.60	19.61 ±4.14	17.23 ±6.25	13.60 ±0.91
마구리	8.99 ±0.99	9.41 ±1.86	9.45 ±1.81	8.53 ±1.32	9.77 ±0.80
토시살	1.05 ±0.28	1.02 ±0.22	1.05 ±0.20	0.95 ±0.36	0.69 ±0.01
안창살	1.63 ±0.30	1.58 ±0.36	1.62 ±0.33	1.49 ±0.45	1.13 ±0.03
제비추리	0.99 ±0.19	1.07 ±0.26	1.09 ±0.25	0.90 ±0.19	0.83 ±0.11

*평균±표준편차

표 115 도체등급에 따른 한우 거세우의 소분할 39개 부위 생산량(단위: kg)

구분	육질등급				육량등급		
	1⁺⁺	1⁺	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
거래정육중 (소분할)	270.70 ±27.40	257.77 ±30.13	236.11 ±34.70	254.66 ±37.64	234.99 ±52.54	254.58 ±31.82	254.34 ±26.78
안심살	8.40 ±0.76	8.05 ±1.03	7.43 ±1.19	7.95 ±1.17	7.31 ±1.63	7.92 ±1.00	8.01 ±0.95
윗등심살	18.32 ±1.67	17.81 ±2.40	15.88 ±2.99	16.67 ±2.64	15.83 ±4.30	17.19 ±2.32	17.33 ±2.26
꽃등심살	12.28 ±1.77	11.41 ±1.61	10.34 ±1.62	10.68 ±1.95	10.38 ±2.31	11.17 ±1.89	11.19 ±1.45
아래등심살	8.57 ±1.03	8.25 ±1.17	7.41 ±1.35	7.65 ±1.51	7.39 ±1.67	8.12 ±1.26	7.92 ±1.22
살치살	4.83 ±0.71	4.83 ±0.77	4.35 ±0.97	4.55 ±0.93	4.27 ±1.08	4.64 ±0.86	4.72 ±0.81
채끝살	11.95 ±1.70	10.62 ±1.32	9.59 ±1.44	9.96 ±1.54	9.68 ±2.16	10.58 ±1.57	10.41 ±1.45
목심살	23.23 ±3.04	22.11 ±3.31	19.52 ±3.59	21.35 ±5.17	19.95 ±6.49	21.35 ±3.19	21.57 ±3.06
꾸리살	3.53 ±0.44	3.47 ±0.43	3.23 ±0.51	3.58 ±0.68	3.25 ±0.61	3.48 ±0.54	3.39 ±0.43
부채살	5.67 ±0.76	5.47 ±0.71	4.96 ±0.85	5.30 ±0.95	4.95 ±1.15	5.44 ±0.82	5.27 ±0.69
앞다리살	14.94 ±2.17	14.28 ±1.96	13.29 ±2.09	14.56 ±2.53	13.41 ±3.13	14.24 ±2.24	14.11 ±1.65
갈비덧살	2.50 ±0.56	2.50 ±0.52	2.38 ±0.52	2.57 ±0.64	2.44 ±0.52	2.48 ±0.62	2.46 ±0.48
부채덮개살	2.55 ±0.46	2.57 ±0.31	2.38 ±0.37	2.70 ±0.51	2.47 ±0.56	2.57 ±0.37	2.48 ±0.34
우둔살	20.25 ±2.20	19.87 ±2.34	18.66 ±2.91	19.98 ±2.88	18.54 ±3.96	19.61 ±2.51	19.73 ±2.15
홍두깨살	4.86 ±0.56	4.73 ±0.74	4.39 ±0.69	4.87 ±0.93	4.44 ±1.07	4.68 ±0.69	4.68 ±0.63
보섭살	12.41 ±1.52	11.93 ±1.49	11.23 ±1.83	11.87 ±1.92	11.33 ±2.75	11.83 ±1.62	11.80 ±1.29
설깃살	15.14 ±1.78	14.61 ±1.95	13.41 ±2.06	14.56 ±2.26	13.44 ±3.27	14.13 ±1.74	14.63 ±1.76
설깃머리살	5.47 ±0.92	5.05 ±0.80	4.56 ±0.85	4.96 ±0.85	4.59 ±1.38	4.90 ±0.78	5.05 ±0.73
도가니살	12.74 ±1.44	12.34 ±1.56	11.63 ±1.65	12.26 ±1.75	11.65 ±2.22	12.35 ±1.68	12.10 ±1.31

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
삼각살	3.19 ±0.54	2.98 ±0.44	2.73 ±0.45	2.98 ±0.50	2.74 ±0.76	2.97 ±0.47	2.94 ±0.37
양지머리	20.79 ±3.65	19.64 ±3.53	17.82 ±3.58	20.61 ±3.95	17.69 ±3.52	19.92 ±3.83	19.22 ±3.69
차돌박이	7.84 ±1.52	7.52 ±1.61	7.05 ±1.64	7.24 ±1.12	6.46 ±0.97	7.59 ±1.65	7.48 ±1.58
업진살	12.30 ±1.99	11.31 ±2.05	10.12 ±1.91	10.99 ±1.93	9.32 ±2.00	11.02 ±1.99	11.55 ±1.92
업진안살	1.96 ±0.39	1.77 ±0.38	1.59 ±0.34	1.87 ±0.48	1.57 ±0.39	1.83 ±0.39	1.73 ±0.39
치마양지	15.20 ±2.02	14.06 ±2.11	12.96 ±2.68	13.49 ±2.18	12.58 ±3.12	13.80 ±2.31	14.15 ±2.15
치마살	4.75 ±0.50	4.29 ±0.67	3.98 ±0.81	4.13 ±0.62	3.95 ±0.96	4.30 ±0.69	4.26 ±0.68
앞치마살	3.48 ±0.65	3.03 ±0.55	2.78 ±0.57	2.81 ±0.46	2.65 ±0.65	3.02 ±0.62	3.06 ±0.55
앞사태	8.38 ±1.06	8.08 ±0.95	7.65 ±1.01	8.49 ±1.17	7.67 ±1.48	8.18 ±1.12	8.00 ±0.76
뒷사태	9.52 ±1.17	9.14 ±1.07	8.71 ±1.18	9.48 ±1.18	8.64 ±1.77	9.25 ±1.13	9.09 ±0.89
뭉치사태	4.59 ±0.49	4.45 ±0.55	4.28 ±0.63	4.60 ±0.70	4.25 ±0.91	4.47 ±0.56	4.45 ±0.48
아롱사태	0.80 ±0.11	0.78 ±0.11	0.73 ±0.12	0.77 ±0.10	0.71 ±0.17	0.78 ±0.11	0.76 ±0.10
상박살	1.46 ±0.24	1.42 ±0.19	1.33 ±0.22	1.47 ±0.26	1.37 ±0.32	1.42 ±0.23	1.39 ±0.17
본갈비	7.91 ±0.93	8.01 ±1.13	7.06 ±1.00	7.55 ±1.44	7.26 ±1.65	7.67 ±1.11	7.63 ±0.99
꽃갈비	12.38 ±1.61	11.62 ±1.77	10.49 ±1.77	11.55 ±1.72	10.11 ±2.26	11.51 ±1.83	11.56 ±1.53
참갈비	11.52 ±1.42	10.84 ±2.06	10.06 ±2.07	11.07 ±2.51	9.74 ±2.65	10.77 ±1.73	10.96 ±2.09
갈비살	23.08 ±2.24	21.72 ±3.23	19.60 ±3.43	21.24 ±3.69	19.14 ±4.90	21.46 ±3.01	21.46 ±2.94
마구리	9.62 ±2.65	8.61 ±1.76	8.44 ±1.81	8.99 ±1.72	8.30 ±1.55	9.17 ±2.11	8.54 ±1.89
토시살	1.19 ±0.17	1.12 ±0.16	1.01 ±0.17	1.09 ±0.18	1.01 ±0.25	1.11 ±0.17	1.10 ±0.15
안창살	1.94 ±0.26	1.81 ±0.29	1.67 ±0.31	1.84 ±0.32	1.62 ±0.44	1.81 ±0.28	1.81 ±0.26
제비추리	0.95 ±0.18	0.89 ±0.13	0.83 ±0.14	0.93 ±0.17	0.86 ±0.19	0.89 ±0.16	0.88 ±0.13

*평균±표준편차

3) 절식체중 대비 소분할 부분육 생산율

표 116 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중 (kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중 (kg)	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
거래정육중 (소분할, kg)	159.65 ±20.06	164.38 ±17.96	173.20 ±10.62	191.98 ±14.23	208.32 ±17.21	225.65 ±15.34	242.94 ±20.79	259.63 ±20.11	280.07 ±21.69	308.65 ±26.72	307.47 ±23.35	233.99 ±44.63
안심살	1.13 ±0.13	1.13 ±0.08	1.09 ±0.09	1.08 ±0.07	1.07 ±0.08	1.07 ±0.06	1.06 ±0.08	1.04 ±0.06	1.06 ±0.08	1.07 ±0.06	1.01 ±0.09	1.07 ±0.08
윗등심살	2.31 ±0.59	2.15 ±0.28	2.17 ±0.25	2.23 ±0.27	2.28 ±0.37	2.26 ±0.25	2.33 ±0.37	2.33 ±0.27	2.37 ±0.28	2.49 ±0.32	2.13 ±0.14	2.29 ±0.32
꽃등심살	1.52 ±0.11	1.54 ±0.19	1.50 ±0.17	1.52 ±0.15	1.49 ±0.15	1.52 ±0.16	1.48 ±0.17	1.49 ±0.15	1.49 ±0.17	1.59 ±0.16	1.48 ±0.15	1.50 ±0.16
아래등심살	1.00 ±0.11	1.13 ±0.12	1.06 ±0.15	1.10 ±0.08	1.09 ±0.11	1.11 ±0.12	1.06 ±0.12	1.06 ±0.11	1.08 ±0.15	1.08 ±0.09	1.01 ±0.13	1.08 ±0.12
살치살	0.56 ±0.09	0.61 ±0.06	0.57 ±0.09	0.61 ±0.07	0.62 ±0.11	0.62 ±0.10	0.62 ±0.10	0.61 ±0.09	0.63 ±0.09	0.64 ±0.10	0.60 ±0.11	0.62 ±0.10
채끝살	1.28 ±0.17	1.47 ±0.17	1.40 ±0.08	1.42 ±0.10	1.44 ±0.11	1.43 ±0.12	1.39 ±0.13	1.37 ±0.12	1.35 ±0.12	1.42 ±0.14	1.38 ±0.14	1.40 ±0.12
목심살	3.62 ±1.11	2.74 ±0.91	2.80 ±0.51	2.87 ±0.65	2.92 ±0.68	3.00 ±0.57	3.08 ±0.85	3.05 ±0.66	3.26 ±0.92	3.58 ±1.11	2.76 ±0.39	3.04 ±0.76
꾸리살	0.52 ±0.04	0.47 ±0.05	0.49 ±0.05	0.48 ±0.05	0.46 ±0.05	0.46 ±0.03	0.46 ±0.04	0.45 ±0.04	0.47 ±0.06	0.48 ±0.05	0.46 ±0.04	0.47 ±0.05
부채살	0.74 ±0.04	0.74 ±0.06	0.69 ±0.07	0.69 ±0.05	0.68 ±0.08	0.68 ±0.07	0.70 ±0.07	0.69 ±0.06	0.73 ±0.08	0.70 ±0.08	0.69 ±0.08	0.70 ±0.07
앞다리살	2.15 ±0.33	1.89 ±0.24	1.87 ±0.20	1.87 ±0.23	1.85 ±0.24	1.88 ±0.16	1.91 ±0.23	1.87 ±0.17	1.99 ±0.24	2.04 ±0.28	1.92 ±0.13	1.90 ±0.22
갈비덧살	0.41 ±0.10	0.36 ±0.06	0.33 ±0.07	0.34 ±0.07	0.33 ±0.07	0.33 ±0.07	0.33 ±0.07	0.32 ±0.06	0.35 ±0.08	0.33 ±0.07	0.32 ±0.06	0.33 ±0.07
부채덮개살	0.43 ±0.06	0.38 ±0.05	0.37 ±0.05	0.38 ±0.06	0.36 ±0.07	0.36 ±0.04	0.36 ±0.07	0.34 ±0.06	0.37 ±0.08	0.39 ±0.09	0.35 ±0.04	0.36 ±0.07
우둔살	2.97 ±0.60	3.04 ±0.18	2.88 ±0.29	2.87 ±0.22	2.79 ±0.22	2.75 ±0.24	2.70 ±0.25	2.65 ±0.22	2.70 ±0.26	2.74 ±0.24	2.61 ±0.27	2.76 ±0.26
홍두깨살	0.79 ±0.23	0.74 ±0.09	0.68 ±0.11	0.69 ±0.08	0.68 ±0.09	0.69 ±0.10	0.65 ±0.09	0.64 ±0.08	0.67 ±0.11	0.68 ±0.09	0.65 ±0.09	0.67 ±0.10
보섭살	1.73 ±0.38	1.74 ±0.14	1.67 ±0.16	1.70 ±013	1.65 ±0.13	1.63 ±0.13	1.62 ±0.16	1.58 ±0.12	1.65 ±0.18	1.68 ±0.16	1.58 ±0.12	1.64 ±0.15
설깃살	2.03 ±0.44	2.04 ±0.18	1.94 ±0.19	1.98 ±0.16	1.9 9±0.15	1.99 ±0.13	1.96 ±0.17	1.92 ±0.17	1.99 ±0.21	2.05 ±0.17	1.89 ±0.17	1.97 ±0.17
설깃머리살	0.62 ±0.15	0.66 ±0.08	0.63 ±0.09	0.65 ±0.07	0.67 ±0.07	0.67 ±0.06	0.67 ±0.07	0.65 ±0.07	0.67 ±0.08	0.70 ±0.09	0.67 ±0.07	0.66 ±0.08

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
도가니살	1.83 ±0.31	1.77 ±0.11	1.71 ±0.16	1.71 ±0.16	1.63 ±0.13	1.64 ±0.10	1.63 ±0.13	1.62 ±0.12	1.66 ±0.13	1.63 ±0.11	1.60 ±0.12	1.65 ±0.14
삼각살	0.43 ±0.11	0.40 ±0.04	0.41 ±0.05	0.41 ±0.04	0.40 ±0.04	0.41 ±0.04	0.41 ±0.05	0.39 ±0.03	0.40 ±0.05	0.43 ±0.04	0.39 ±0.04	0.41 ±0.04
양지머리	2.80 ±0.55	2.55 ±0.29	2.65 ±0.24	2.56 ±0.28	2.56 ±0.33	2.58 ±0.31	2.65 ±0.41	2.55 ±0.36	2.69 ±0.47	2.95 ±0.44	2.92 ±0.35	2.63± 0.37
차돌박이	0.85 ±0.16	1.12 ±0.15	1.09 ±0.17	1.08 ±0.17	1.04 ±0.14	1.02 ±0.15	1.02 ±0.17	0.98 ±0.14	0.92 ±0.15	1.00 ±0.21	1.07 ±0.22	1.02 ±0.17
업진살	1.36 ±0.33	1.47 ±0.18	1.39 ±0.13	1.40 ±0.14	1.44 ±0.16	1.50 ±0.20	1.42 ±0.17	1.50 ±0.21	1.45 ±0.19	1.50 ±0.20	1.38 ±0.19	1.45 ±0.18
업진안살	0.26 ±0.08	0.27 ±0.03	0.25 ±0.03	0.27 ±0.03	0.26 ±0.04	0.26 ±0.04	0.25 ±0.04	0.25 ±0.05	0.25 ±0.04	0.26 ±0.05	0.24 ±0.04	0.26 ±0.04
치마양지	1.69 ±0.21	1.68 ±0.16	1.66 ±0.15	1.68 ±0.12	1.72 ±0.18	1.84 ±0.16	1.82 ±0.18	1.85 ±0.21	1.79 ±0.20	1.88 ±0.21	1.82 ±0.17	1.78 ±0.19
치마살	0.51 ±0.09	0.53 ±0.05	0.52 ±0.03	0.53 ±0.04	0.53 ±0.05	0.55 ±0.05	0.57 ±0.05	0.57 ±0.06	0.56 ±0.07	0.58 ±0.08	0.55 ±0.06	0.55 ±0.06
앞치마살	0.38 ±0.06	0.38 ±0.06	0.36 ±0.05	0.36 ±0.04	0.37 ±0.05	0.40 ±0.05	0.39 ±0.05	0.40 ±0.05	0.40 ±0.05	0.42 ±0.06	0.39 ±0.07	0.38 ±0.05
앞사태	1.34 ±0.13	1.17 ±0.07	1.14 ±0.12	1.09 ±0.09	1.09 ±0.11	1.09 ±0.08	1.09 ±0.10	1.07 ±0.08	1.11 ±0.12	1.08 ±0.10	1.10 ±0.09	1.10 ±0.11
뒷사태	1.47 ±0.21	1.43 ±0.12	1.33 ±0.15	1.32 ±0.12	1.28 ±0.13	1.27 ±0.11	1.25 ±0.11	1.22 ±0.10	1.26 ±0.12	1.25 ±0.11	1.19 ±0.08	1.27 ±0.12
뭉치사태	0.71 ±0.12	0.71 ±0.07	0.65 ±0.08	0.65 ±0.06	0.63 ±0.06	0.64 ±0.06	0.62 ±0.06	0.60 ±0.05	0.62 ±0.07	0.61 ±0.06	0.57 ±0.05	0.63 ±0.07
아롱사태	0.12 ±0.02	0.11 ±0.02	0.10 ±0.01	0.11 ±0.02	0.10 ±0.02	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.09 ±0.01	0.10 ±0.01
상박살	0.22 ±0.02	0.20 ±0.01	0.19 ±0.03	0.19 ±0.02	0.19 ±0.02	0.19 ±0.02	0.19 ±0.02	0.19 ±0.02	0.20 ±0.02	0.19 ±0.02	0.19 ±0.01	0.19 ±0.02
본갈비	1.13 ±0.16	1.02 ±0.11	0.99 ±0.13	1.00 ±0.12	0.97 ±0.15	1.02 ±0.11	1.00 ±0.15	1.01 ±0.13	1.05 ±0.11	1.11 ±0.13	1.05 ±0.10	1.01 ±0.13
꽃갈비	1.52 ±0.16	1.46 ±0.08	1.45 ±0.10	1.46 ±0.10	1.43 ±0.15	1.46 ±0.13	1.49 ±0.13	1.49 ±0.13	1.50 ±0.12	1.61 ±0.14	1.59 ±0.11	1.48 ±0.13
참갈비	1.30 ±0.16	1.32 ±0.13	1.27 ±0.15	1.27 ±0.15	1.36 ±0.18	1.33 ±0.16	1.40 ±0.19	1.40 ±0.14	1.44 ±0.17	1.44 ±0.28	1.41 ±0.23	1.37 ±0.18
갈비살	2.56 ±0.33	2.58 ±0.21	2.52 ±0.24	2.56 ±0.26	2.63 ±0.28	2.69 ±0.28	2.77 ±0.27	2.79 ±0.23	2.83 ±0.21	2.95 ±0.34	2.86 ±0.22	2.71 ±0.28
마구리	1.53 ±0.18	1.36 ±0.16	1.41 ±0.26	1.44 ±0.25	1.24 ±0.23	1.19 ±0.18	1.20 ±0.22	1.17 ±0.22	1.21 ±0.25	1.25 ±0.22	1.31 ±0.36	1.26 ±0.25
토시살	0.14 ±0.01	0.15 ±0.02	0.15 ±0.02	0.15 ±0.01	0.14 ±0.02	0.15 ±0.01	0.14 ±0.02	0.15 ±0.02	0.15 ±0.02	0.15 ±0.01	0.14 ±0.01	0.15 ±0.02
안창살	0.23 ±0.02	0.25 ±0.04	0.23 ±0.03	0.23 ±0.02	0.24 ±0.03	0.24 ±0.02	0.24 ±0.03	0.24 ±0.03	0.24 ±0.02	0.24 ±0.03	0.23 ±0.02	0.24 ±0.03
제비추리	0.15 ±0.02	0.13 ±0.02	0.13 ±0.02	0.13 ±0.02	0.13 ±0.03	0.12 ±0.02	0.12 ±0.03	0.12 ±0.02	0.13 ±0.02	0.13 ±0.03	0.11 ±0.02	0.13 ±0.02

*평균±표준편차

표 117 한우 암소 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중 (kg)	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
거래정육중 (소분할, kg)	157.66 ±13.43	169.60 ±9.68	187.36 ±11.71	199.70 ±9.73	219.39 ±13.13	230.71 ±12.25	244.81 ±11.16	286.35 ±24.20	204.44 ±30.50
안심살	1.14 ±0.08	1.11 ±0.11	1.08 ±0.06	1.05 ±0.07	1.08 ±0.06	1.07 ±0.08	1.00 ±0.05	1.00 ±0.05	1.07 ±0.08
윗등심살	2.04 ±0.15	2.06 ±0.16	2.14 ±0.19	2.11 ±0.23	2.15 ±0.20	2.11 ±0.26	2.06 ±0.14	2.08 ±0.08	2.11 ±0.20
꽃등심살	1.52 ±0.18	1.42 ±0.16	1.46 ±0.13	1.43 ±0.13	1.46 ±0.13	1.45 ±0.13	1.41 ±0.11	1.41 ±0.10	1.45 ±0.13
아래등심살	1.12 ±0.12	1.06 ±0.16	1.10 ±0.10	1.09 ±0.10	1.08 ±0.08	1.08 ±0.13	1.04 ±0.08	0.97 ±0.17	1.08 ±0.11
살치살	0.58 ±0.05	0.57 ±0.10	0.61 ±0.08	0.60 ±0.10	0.61 ±0.10	0.60 ±0.10	0.56 ±0.08	0.57 ±0.05	0.59 ±0.09
채끝살	1.48 ±0.17	1.43 ±0.08	1.43 ±0.11	1.45 ±0.11	1.44 ±0.12	1.42 ±0.13	1.40 ±0.09	1.37 ±0.19	1.44 ±0.12
목심살	2.53 ±0.26	2.63 ±0.36	2.60 ±0.32	2.56 ±0.29	2.72 ±0.19	2.56 ±0.45	2.51 ±0.37	2.69 ±0.09	2.60 ±0.31
꾸리살	0.47 ±0.05	0.47 ±0.04	0.47 ±0.05	0.43 ±0.04	0.45 ±0.03	0.45 ±0.05	0.45 ±0.04	0.44 ±0.03	0.45 ±0.04
부채살	0.72 ±0.05	0.68 ±0.08	0.69 ±0.05	0.66 ±0.07	0.65 ±0.08	0.66 ±0.06	0.66 ±0.04	0.68 ±0.08	0.67 ±0.07
앞다리살	1.82 ±0.16	1.78 ±0.16	1.76 ±0.14	1.73 ±0.15	1.80 ±0.10	1.75 ±0.12	1.69 ±0.07	1.76 ±0.10	1.76 ±0.14
갈비덧살	0.35 ±0.04	0.33 ±0.07	0.32 ±0.06	0.31 ±0.07	0.29 ±0.07	0.28 ±0.05	0.31 ±0.05	0.30 ±0.04	0.31 ±0.06
부채덮개살	0.36 ±0.03	0.35 ±0.05	0.36 ±0.04	0.33 ±0.03	0.34 ±0.03	0.34 ±0.05	0.31 ±0.02	0.32 ±0.05	0.34 ±0.04
우둔살	3.04 ±0.18	2.89 ±0.23	2.87 ±0.21	2.74 ±0.19	2.79 ±0.23	2.70 ±0.22	2.58 ±0.20	2.70 ±0.36	2.79 ±0.24
홍두깨살	0.71 ±0.08	0.68 ±0.12	0.68 ±0.06	0.65 ±0.06	0.71 ±0.11	0.64 ±0.06	0.65 ±0.09	0.69 ±0.06	0.67 ±0.08
보섭살	1.75 ±0.13	1.70 ±0.15	1.71 ±0.14	1.62 ±0.10	1.62 ±0.12	1.63 ±0.11	1.52 ±0.09	1.63 ±0.14	1.65 ±0.13
설깃살	2.01 ±0.17	1.95 ±0.19	1.97 ±0.15	1.95 ±0.13	2.01 ±0.12	1.96 ±0.11	1.84 ±0.12	1.93 ±0.22	1.96 ±0.14
설깃머리살	0.66 ±0.08	0.62 ±0.09	0.65 ±0.07	0.65 ±0.07	0.68 ±0.06	0.66 ±0.06	0.62 ±0.07	0.67 ±0.06	0.65 ±0.07
도가니살	1.79 ±0.14	1.70 ±0.14	1.69 ±0.18	1.58 ±0.10	1.63 ±0.11	1.61 ±0.14	1.55 ±0.13	1.58 ±0.13	1.64 ±0.14

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
삼각살	0.40 ±0.04	0.44 ±0.05	0.42 ±0.04	0.39 ±0.04	0.41 ±0.03	0.40 ±0.04	0.38 ±0.03	0.42 ±0.03	0.41 ±0.04
양지머리	2.45 ±0.26	2.58 ±0.25	2.45 ±0.23	2.44 ±0.21	2.49 ±0.29	2.44 ±0.25	2.36 ±0.23	2.51 ±0.45	2.46 ±0.25
차돌박이	1.11 ±0.16	1.09 ±0.21	1.06 ±0.18	1.02 ±0.16	1.03 ±0.18	0.96 ±0.14	1.01 ±0.11	1.02 ±0.19	1.03 ±0.17
업진살	1.43 ±0.21	1.41 ±0.12	1.43 ±0.11	1.42 ±0.19	1.45 ±0.20	1.39 ±0.18	1.58 ±0.19	1.33 ±0.14	1.43 ±0.18
업진안살	0.27 ±0.03	0.26 ±0.03	0.28 ±0.03	0.26 ±0.04	0.27 ±0.05	0.25 ±0.05	0.27 ±0.05	0.25 ±0.04	0.26 ±0.04
치마양지	1.66 ±0.16	1.64 ±0.17	1.68 ±0.12	1.71 ±0.20	1.82 ±0.16	1.80 ±0.20	1.71 ±0.15	1.71 ±0.21	1.72 ±0.18
치마살	0.53 ±0.05	0.52 ±0.04	0.53 ±0.03	0.52 ±0.04	0.54 ±0.04	0.55 ±0.04	0.54 ±0.05	0.57 ±0.03	0.53 ±0.04
앞치마살	0.37 ±0.06	0.35 ±0.05	0.36 ±0.03	0.36 ±0.06	0.40 ±0.06	0.38 ±0.06	0.39 ±0.03	0.35 ±0.04	0.37 ±0.05
앞사태	1.16 ±0.07	1.08 ±0.12	1.06 ±0.09	1.03 ±0.08	1.06 ±0.07	1.02 ±0.07	1.04 ±0.07	1.12 ±0.07	1.06 ±0.09
뒷사태	1.43 ±0.11	1.28 ±0.14	1.31 ±0.11	1.22 ±0.08	1.26 ±0.11	1.23 ±0.10	1.18 ±0.07	1.21 ±0.10	1.26 ±0.11
뭉치사태	0.71 ±0.07	0.64 ±0.08	0.65 ±0.06	0.60 ±0.04	0.64 ±0.06	0.62 ±0.06	0.57 ±0.04	0.58 ±0.05	0.63 ±0.07
아롱사태	0.12 ±0.02	0.10 ±0.01	0.10 ±0.02	0.09 ±0.01	0.10 ±0.01	0.10 ±0.01	0.09 ±0.01	0.10 ±0.01	0.10 ±0.01
상박살	0.20 ±0.01	0.18 ±0.03	0.19 ±0.02	0.18 ±0.02	0.19 ±0.02	0.18 ±0.02	0.18 ±0.01	0.19 ±0.01	0.18 ±0.02
본갈비	1.00 ±0.09	0.95 ±0.09	0.95 ±0.09	0.89 ±0.11	0.96 ±0.09	0.90 ±0.09	0.92 ±0.13	1.10 ±0.07	0.93 ±0.11
꽃갈비	1.46 ±0.08	1.43 ±0.10	1.44 ±0.09	1.36 ±0.13	1.41 ±0.13	1.42 ±0.10	1.46 ±0.15	1.57 ±0.06	1.42 ±0.12
참갈비	1.29 ±0.11	1.31 ±0.18	1.23 ±0.12	1.34 ±0.19	1.27 ±0.14	1.28 ±0.11	1.39 ±0.12	1.27 ±0.10	1.30 ±0.15
갈비살	2.56 ±0.21	2.52 ±0.28	2.49 ±0.22	2.52 ±0.27	2.58 ±0.26	2.55 ±0.20	2.67 ±0.30	2.68 ±0.08	2.55 ±0.25
마구리	1.36 ±0.16	1.34 ±0.25	1.45 ±0.30	1.18 ±0.24	1.14 ±0.19	1.20 ±0.27	1.24 ±0.25	1.44 ±0.51	1.26 ±0.28
토시살	0.15 ±0.02	0.14 ±0.02	0.14 ±0.01	0.14 ±0.01	0.15 ±0.02	0.14 ±0.02	0.14 ±0.02	0.14 ±0.01	0.14 ±0.02
안창살	0.26 ±0.03	0.25 ±0.04	0.23 ±0.02	0.24 ±0.03	0.25 ±0.02	0.24 ±0.03	0.23 ±0.02	0.22 ±0.02	0.24 ±0.03
제비추리	0.12 ±0.01	0.12 ±0.02	0.13 ±0.02	0.12 ±0.02	0.12 ±0.02	0.12 ±0.02	0.11 ±0.01	0.11 ±0.02	0.12 ±0.02

*평균±표준편차

표 118 한우 수소 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중 (kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중 (kg)	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
거래정육중 (소분할, kg)	180.08 ±17.14	210.06 ±9.76	229.71 ±18.74	244.83 ±10.70	270.06 ±21.58	293.87 ±14.63	307.46 ±17.28	332.60 ±24.60	258.52 ±52.42
안심살	1.10 ±0.08	1.11 ±0.05	1.08 ±0.06	1.10 ±0.07	1.10 ±0.09	1.02 ±0.07	1.04 ±0.08	1.06 ±0.07	1.08 ±0.07
윗등심살	2.54 ±0.31	2.59 ±0.28	2.75 ±0.44	2.56 ±0.20	2.79 ±0.39	2.55 ±0.23	2.72 ±0.19	2.68 ±0.30	2.66 ±0.32
꽃등심살	1.68 ±0.08	1.68 ±0.09	1.65 ±0.14	1.70 ±0.13	1.65 ±0.15	1.56 ±0.10	1.61 ±0.12	1.64 ±0.18	1.64 ±0.13
아래등심살	1.08 ±0.12	1.14 ±0.03	1.13 ±0.14	1.12 ±0.13	1.10 ±0.10	1.07 ±0.09	1.09 ±0.05	1.12 ±0.07	1.11 ±0.10
살치살	0.59 ±0.09	0.64 ±0.06	0.70 ±0.13	0.62 ±0.08	0.69 ±0.13	0.58 ±0.11	0.64 ±0.08	0.69 ±0.10	0.65 ±0.11
채끝살	1.34 ±0.07	1.40 ±0.07	1.36 ±0.09	1.41 ±0.15	1.36 ±0.12	1.35 ±0.14	1.34 ±0.11	1.29 ±0.05	1.35 ±0.10
목심살	3.87 ±0.81	3.98 ±0.52	4.00 ±0.69	4.14 ±0.22	4.48 ±0.71	4.32 ±0.44	4.81 ±0.61	4.36 ±1.11	4.24 ±0.73
꾸리살	0.54 ±0.04	0.53 ±0.04	0.51 ±0.04	0.49 ±0.03	0.50 ±0.04	0.48 ±0.04	0.53 ±0.04	0.50 ±0.04	0.51 ±0.04
부채살	0.73 ±0.06	0.73 ±0.06	0.73 ±0.08	0.72 ±0.02	0.74 ±0.09	0.68 ±0.07	0.74 ±0.05	0.70 ±0.07	0.72 ±0.07
앞다리살	2.23 ±0.18	2.24 ±0.17	2.20 ±0.21	2.14 ±0.08	2.24 ±0.20	2.11 ±0.15	2.26 ±0.21	2.21 ±0.25	2.20 ±0.19
갈비덧살	0.41 ±0.08	0.41 ±0.07	0.38 ±0.06	0.39 ±0.06	0.36 ±0.07	0.36 ±0.10	0.39 ±0.06	0.36 ±0.06	0.38 ±0.07
부채덮개살	0.45 ±0.04	0.47 ±0.05	0.44 ±0.09	0.43 ±0.03	0.46 ±0.09	0.45 ±0.07	0.50 ±0.06	0.46 ±0.08	0.46 ±0.07
우둔살	3.04 ±0.41	3.00 ±0.15	2.96 ±0.23	2.90 ±0.16	2.94 ±0.30	2.95 ±0.24	2.97 ±0.16	2.82 ±0.26	2.95 ±0.26
홍두깨살	0.78 ±0.15	0.77 ±0.08	0.78 ±0.10	0.75 ±0.07	0.77 ±0.12	0.73 ±0.10	0.79 ±0.11	0.73 ±0.09	0.76 ±0.10
보섭살	1.71 ±0.23	1.76 ±0.10	1.77 ±0.17	1.76 ±0.15	1.76 ±0.18	1.73 ±0.13	1.83 ±0.13	1.75 ±0.15	1.76 ±0.16
설깃살	2.06 ±0.28	2.11 ±0.15	2.10 ±0.17	2.08 ±0.17	2.09 ±0.20	2.14 ±0.19	2.20 ±0.13	2.13 ±0.16	2.11 ±0.18
설깃머리살	0.67 ±0.09	0.69 ±0.04	0.69 ±0.08	0.69 ±0.04	0.71 ±0.07	0.68 ±0.07	0.73 ±0.06	0.68 ±0.09	0.69 ±0.07
도가니살	1.77 ±0.21	1.79 ±0.15	1.74 ±0.12	1.73 ±0.08	1.71 ±0.09	1.72 ±0.13	1.67 ±0.12	1.66 ±0.10	1.72 ±0.13

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
삼각살	0.41 ±0.06	0.42 ±0.04	0.43 ±0.04	0.44 ±0.03	0.45 ±0.06	0.42 ±0.03	0.44 ±0.06	0.43 ±0.04	0.43 ±0.05
양지머리	2.98 ±0.22	2.89 ±0.22	2.93 ±0.38	2.94 ±0.20	3.17 ±0.36	3.01 ±0.32	3.25 ±0.51	3.28 ±0.31	3.06 ±0.35
차돌박이	1.01 ±0.17	1.13 ±0.18	1.04 ±0.10	1.04 ±0.10	1.10 ±0.12	1.01 ±0.10	0.97 ±0.16	0.98 ±0.13	1.03 ±0.14
업진살	1.40 ±0.20	1.41 ±0.08	1.45 ±0.12	1.53 ±0.14	1.44 ±0.16	1.39 ±0.19	1.38 ±0.11	1.45 ±0.13	1.43 ±0.15
업진안살	0.27 ±0.05	0.28 ±0.01	0.28 ±0.03	0.28 ±0.04	0.28 ±0.03	0.28 ±0.05	0.28 ±0.05	0.28 ±0.05	0.28 ±0.04
치마양지	1.70 ±0.10	1.74 ±0.12	1.73 ±0.11	1.91 ±0.17	1.78 ±0.15	1.67 ±0.24	1.75 ±0.11	1.83 ±0.19	1.76 ±0.16
치마살	0.52 ±0.05	0.57 ±0.05	0.55 ±0.03	0.59 ±0.06	0.57 ±0.06	0.54 ±0.09	0.56 ±0.03	0.58 ±0.05	0.56 ±0.06
앞치마살	0.37 ±0.04	0.38 ±0.05	0.37 ±0.02	0.40 ±0.04	0.38 ±0.04	0.36 ±0.03	0.40 ±0.04	0.39 ±0.06	0.38 ±0.04
앞사태	1.32 ±0.11	1.19 ±0.05	1.21 ±0.09	1.17 ±0.05	1.21 ±0.08	1.17 ±0.09	1.20 ±0.10	1.15 ±0.10	1.21 ±0.10
뒷사태	1.48 ±0.15	1.44 ±0.04	1.42 ±0.12	1.37 ±0.11	1.34 ±0.10	1.35 ±0.09	1.39 ±0.09	1.29 ±0.13	1.38 ±0.12
뭉치사태	0.72 ±0.08	0.71 ±0.01	0.70 ±0.05	0.69 ±0.07	0.66 ±0.07	0.66 ±0.06	0.69 ±0.06	0.63 ±0.06	0.68 ±0.07
아롱사태	0.12 ±0.01	0.12 ±0.01	0.12 ±0.02	0.11 ±0.02	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.10 ±0.01	0.11 ±0.01
상박살	0.22 ±0.02	0.21 ±0.01	0.21 ±0.02	0.20 ±0.02	0.21 ±0.03	0.21 ±0.02	0.22 ±0.02	0.20 ±0.02	0.21 ±0.02
본갈비	1.16 ±0.14	1.14 ±0.07	1.11 ±0.12	1.11 ±0.03	1.17 ±0.18	1.18 ±0.16	1.15 ±0.07	1.18 ±0.10	1.15 ±0.12
꽃갈비	1.54 ±0.11	1.54 ±0.15	1.52 ±0.13	1.52 ±0.06	1.60 ±0.16	1.50 ±0.13	1.50 ±0.10	1.59 ±0.17	1.54 ±0.13
참갈비	1.27 ±0.12	1.39 ±0.15	1.40 ±0.13	1.34 ±0.05	1.41 ±0.19	1.34 ±0.11	1.35 ±0.09	1.48 ±0.24	1.38 ±0.16
갈비살	2.60 ±0.19	2.75 ±0.33	2.75 ±0.21	2.78 ±0.17	2.95 ±0.33	2.83 ±0.16	2.78 ±0.19	3.00 ±0.35	2.81 ±0.27
마구리	1.60 ±0.25	1.40 ±0.10	1.37 ±0.13	1.34 ±0.08	1.34 ±0.10	1.31 ±0.17	1.39 ±0.16	1.29 ±0.21	1.38 ±0.18
토시살	0.15 ±0.01	0.16 ±0.01	0.14 ±0.02	0.15 ±0.01	0.15 ±0.01	0.15 ±0.02	0.15 ±0.01	0.15 ±0.01	0.15 ±0.02
안창살	0.23 ±0.02	0.24 ±0.02	0.23 ±0.02	0.23 ±0.02	0.23 ±0.03	0.24 ±0.05	0.23 ±0.01	0.22 ±0.03	0.23 ±0.03
제비추리	0.16 ±0.02	0.16 ±0.01	0.16 ±0.04	0.15 ±0.01	0.17 ±0.03	0.14 ±0.02	0.17 ±0.01	0.15 ±0.03	0.16 ±0.03

*평균±표준편차

표 119 한우 거세우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중 (kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중 (kg)	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
거래정육중 (소분할, kg)	178.30 ±13.67	214.95 ±12.88	226.76 ±12.00	239.62 ±14.44	255.58 ±12.54	272.97 ±15.98	295.06 ±19.29	304.46 ±12.91	251.29 ±34.52
안심살	1.40 ±0.09	1.43 ±0.14	1.42 ±0.09	1.38 ±0.08	1.38 ±0.11	1.38 ±0.10	1.40 ±0.13	1.42 ±0.03	1.39 ±0.10
윗등심살	2.21 ±0.19	2.36 ±0.19	2.33 ±0.23	2.32 ±0.27	2.41 ±0.24	2.33 ±0.21	2.37 ±0.24	2.17 ±0.17	2.34 ±0.23
꽃등심살	1.56 ±0.12	1.57 ±0.11	1.60 ±0.15	1.47 ±0.16	1.54 ±0.16	1.52 ±0.17	1.61 ±0.14	1.54 ±0.16	1.54 ±0.15
아래등심살	1.10 ±0.09	1.11 ±0.10	1.24 ±0.18	1.08 ±0.12	1.10 ±0.12	1.11 ±0.17	1.09 ±0.09	1.05 ±0.11	1.11 ±0.13
살치살	0.66 ±0.09	0.66 ±0.08	0.69 ±0.13	0.67 ±0.09	0.69 ±0.09	0.69 ±0.10	0.66 ±0.09	0.64 ±0.14	0.68 ±0.10
채끝살	1.77 ±0.13	1.93 ±0.11	1.87 ±0.12	1.85 ±0.19	1.84 ±0.16	1.84 ±0.20	1.99 ±0.23	1.81 ±0.28	1.86 ±0.18
목심살	2.78 ±0.24	3.34 ±0.21	3.23 ±0.34	3.24 ±0.41	3.31 ±0.32	3.22 ±0.38	3.38 ±0.62	2.82 ±0.21	3.22 ±0.40
꾸리살	0.51 ±0.04	0.49 ±0.02	0.48 ±0.04	0.47 ±0.04	0.46 ±0.03	0.47 ±0.05	0.47 ±0.06	0.51 ±0.05	0.47 ±0.04
부채살	0.72 ±0.09	0.75 ±0.05	0.75 ±0.06	0.72 ±0.06	0.72 ±0.07	0.74 ±0.09	0.70 ±0.09	0.74 ±0.09	0.73 ±0.07
앞다리살	1.95 ±0.13	1.94 ±0.11	1.92 ±0.12	1.92 ±0.15	1.91 ±0.12	1.96 ±0.18	1.95 ±0.20	2.06 ±0.08	1.94 ±0.15
갈비덧살	0.38 ±0.05	0.35 ±0.06	0.38 ±0.06	0.36 ±0.07	0.34 ±0.06	0.36 ±0.08	0.32 ±0.07	0.38 ±0.06	0.36 ±0.07
부채덮개살	0.38 ±0.05	0.37 ±0.04	0.36 ±0.04	0.35 ±0.04	0.33 ±0.04	0.34 ±0.04	0.35 ±0.05	0.37 ±0.03	0.35 ±0.04
우둔살	2.75 ±0.23	2.81 ±0.21	2.63 ±0.18	2.66 ±0.19	2.66 ±0.15	2.69 ±0.23	2.70 ±0.21	2.59 ±0.22	2.68 ±0.20
홍두깨살	0.66 ±0.09	0.70 ±0.07	0.63 ±0.05	0.64 ±0.06	0.66 ±0.06	0.67 ±0.09	0.68 ±0.07	0.64 ±0.08	0.66 ±0.07
보섭살	1.62 ±0.10	1.68 ±0.11	1.60 ±0.08	1.60 ±0.13	1.60 ±0.09	1.63 ±0.16	1.66 ±0.13	1.59 ±0.11	1.62 ±0.12
설깃살	1.93 ±0.15	2.05 ±0.14	1.96 ±0.08	1.97 ±0.17	1.95 ±0.13	1.99 ±0.18	2.03 ±0.15	1.87 ±0.11	1.97 ±0.15
설깃머리살	0.62 ±0.06	0.73 ±0.06	0.67 ±0.07	0.69 ±0.07	0.68 ±0.07	0.67 ±0.09	0.72 ±0.08	0.68 ±0.07	0.68 ±0.08
도가니살	1.83 ±0.11	1.75 ±0.14	1.67 ±0.08	1.67 ±0.14	1.67 ±0.10	1.72 ±0.14	1.67 ±0.12	1.66 ±0.13	1.70 ±0.13

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
삼각살	0.40 ±0.04	0.44 ±0.04	0.42 ±0.05	0.41 ±0.04	0.41 ±0.04	0.41 ±0.05	0.45 ±0.04	0.40 ±0.04	0.41 ±0.04
양지머리	5.57 ±0.45	5.66 ±0.39	5.72 ±0.61	5.78 ±0.60	5.97 ±0.61	5.81 ±0.77	6.23 ±0.73	6.71 ±0.62	5.89 ±0.66
차돌박이	1.12 ±0.10	1.18 ±0.09	1.10 ±0.07	1.18 ±0.17	1.14 ±0.17	1.09 ±0.16	1.13 ±0.28	1.27 ±0.10	1.14 ±0.17
업진살	2.70 ±0.48	3.01 ±0.36	3.24 ±0.33	3.04 ±0.43	3.29 ±0.44	3.06 ±0.44	3.29 ±0.72	3.03 ±0.41	3.12 ±0.48
업진안살	0.24 ±0.03	0.26 ±0.03	0.28 ±0.03	0.26 ±0.05	0.26 ±0.05	0.26 ±0.04	0.26 ±0.05	0.28 ±0.05	0.26 ±0.04
치마양지	4.69 ±0.48	4.98 ±0.39	5.17 ±0.56	5.26 ±0.75	5.54 ±0.48	5.31 ±0.81	5.61 ±0.97	5.04 ±0.56	5.29 ±0.70
치마살	0.57 ±0.04	0.63 ±0.07	0.63 ±0.07	0.64 ±0.06	0.65 ±0.05	0.63 ±0.08	0.62 ±0.10	0.61 ±0.07	0.63 ±0.07
앞치마살	0.41 ±0.06	0.43 ±0.07	0.44 ±0.06	0.42 ±0.05	0.46 ±0.08	0.44 ±0.06	0.48 ±0.09	0.47 ±0.08	0.44 ±0.07
앞사태	1.35 ±0.11	1.40 ±0.08	1.33 ±0.05	1.33 ±0.10	1.31 ±0.07	1.34 ±0.13	1.30 ±0.11	1.27 ±0.14	1.33 ±0.10
뒷사태	1.58 ±0.12	1.65 ±0.15	1.50 ±0.07	1.54 ±0.11	1.54 ±0.11	1.55 ±0.12	1.55 ±0.11	1.49 ±0.10	1.55 ±0.12
뭉치사태	0.64 ±0.06	0.64 ±0.06	0.62 ±0.05	0.62 ±0.06	0.61 ±0.05	0.61 ±0.06	0.61 ±0.05	0.58 ±0.05	0.61 ±0.05
아롱사태	0.12 ±0.01	0.12 ±0.02	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.10 ±0.01	0.11 ±0.01
상박살	0.21 ±0.02	0.20 ±0.02	0.19 ±0.02	0.20 ±0.02	0.19 ±0.02	0.20 ±0.02	0.20 ±0.02	0.21 ±0.02	0.20 ±0.02
본갈비	1.32 ±0.12	1.38 ±0.16	1.36 ±0.09	1.24 ±0.16	1.24 ±0.13	1.26 ±0.11	1.32 ±0.14	1.26 ±0.11	1.28 ±0.14
꽃갈비	1.88 ±0.10	2.21 ±0.25	2.04 ±0.17	2.04 ±0.20	2.07 ±0.27	2.05 ±0.24	2.20 ±0.29	2.17 ±0.07	2.07 ±0.24
참갈비	1.98 ±0.12	2.50 ±0.40	2.16 ±0.19	2.35 ±0.31	2.27 ±0.24	2.36 ±0.34	2.23 ±0.52	2.18 ±0.16	2.28 ±0.33
갈비살	2.58 ±0.18	2.89 ±0.10	2.88 ±0.28	2.83 ±0.20	2.81 ±0.21	2.86 ±0.22	2.91 ±0.33	2.94 ±0.25	2.83 ±0.23
마구리	1.38 ±0.06	1.30 ±0.20	1.19 ±0.17	1.13 ±0.21	1.11 ±0.20	1.13 ±0.20	1.21 ±0.24	1.38 ±0.33	1.18 ±0.22
토시살	0.36 ±0.05	0.34 ±0.06	0.36 ±0.07	0.38 ±0.11	0.37 ±0.11	0.35 ±0.07	0.35 ±0.09	0.33 ±0.05	0.36 ±0.09
안창살	0.39 ±0.03	0.46 ±0.07	0.49 ±0.12	0.49 ±0.08	0.47 ±0.07	0.47 ±0.07	0.51 ±0.06	0.50 ±0.07	0.47 ±0.08
제비추리	0.19 ±0.01	0.20 ±0.03	0.17 ±0.03	0.18 ±0.02	0.18 ±0.03	0.19 ±0.03	0.19 ±0.03	0.17 ±0.02	0.19 ±0.03

*평균±표준편차

4) 냉도체중 대비 소분할 부분육 생산율

표 120 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간 (kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중 (kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중 (kg)	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
거래정육중 (소분할, kg)	159.65 ±20.06	164.38 ±17.96	173.20 ±10.62	191.98 ±14.23	208.32 ±17.21	225.65 ±15.34	242.94 ±20.79	259.63 ±20.11	280.07 ±21.69	308.65 ±26.72	307.47 ±23.35	233.99 ±44.63
안심살	1.89 ±0.23	1.90 ±0.19	1.84 ±0.17	1.79 ±0.12	1.76 ±0.14	1.75 ±0.11	1.74 ±0.12	1.67 ±0.10	1.71 ±0.15	1.70 ±0.11	1.65 ±0.15	1.75 ±0.14
윗등심살	3.84 ±0.89	3.60 ±0.45	3.66 ±0.47	3.71 ±0.44	3.76 ±0.63	3.69 ±0.41	3.80 ±0.58	3.75 ±0.48	3.81 ±0.51	3.94 ±0.57	3.47 ±0.24	3.75 ±0.52
꽃등심살	2.53 ±0.17	2.58 ±0.25	2.53 ±0.32	2.52 ±0.23	2.46 ±0.25	2.48 ±0.22	2.42 ±0.28	2.39 ±0.24	2.40 ±0.28	2.51 ±0.26	2.40 ±0.23	2.46 ±0.26
아래등심살	1.66 ±0.19	1.89 ±0.14	1.79 ±0.27	1.83 ±0.13	1.81 ±0.18	1.81 ±0.18	1.74 ±0.20	1.70 ±0.18	1.73 ±0.25	1.71 ±0.16	1.63 ±0.22	1.77 ±0.20
살치살	0.94 ±0.14	1.02 ±0.13	0.96 ±0.16	1.02 ±0.13	1.03 ±0.18	1.01 ±0.16	1.02 ±0.17	0.97 ±0.15	1.02 ±0.16	1.02 ±0.17	0.97 ±0.19	1.01 ±0.16
채끝살	2.14 ±0.29	2.47 ±0.22	2.35 ±0.15	2.37 ±0.16	2.37 ±0.16	2.33 ±0.17	2.27 ±0.20	2.21 ±0.18	2.17 ±0.19	2.24 ±0.18	2.24 ±0.22	2.29 ±0.19
목심살	6.01 ±1.71	4.58 ±1.48	4.71 ±0.91	4.78 ±1.08	4.81 ±1.11	4.90 ±0.91	5.03 ±1.32	4.92 ±1.18	5.24 ±1.50	5.67 ±1.80	4.49 ±0.62	4.96 ±1.24
꾸리살	0.87 ±0.07	0.80 ±0.09	0.82 ±0.10	0.80 ±0.09	0.75 ±0.08	0.75 ±0.06	0.76 ±0.07	0.73 ±0.07	0.76 ±0.10	0.76 ±0.09	0.76 ±0.08	0.76 ±0.09
부채살	1.24 ±0.07	1.24 ±0.12	1.16 ±0.13	1.15 ±0.10	1.13 ±0.12	1.11 ±0.12	1.14 ±0.10	1.11 ±0.10	1.17 ±0.14	1.10 ±0.13	1.13 ±0.15	1.14 ±0.12
앞다리살	3.59 ±0.50	3.17 ±0.38	3.16 ±0.36	3.12 ±0.39	3.06 ±0.40	3.07 ±0.28	3.12 ±0.36	3.01 ±0.31	3.19 ±0.39	3.23 ±0.47	3.11 ±0.22	3.11 ±0.37
갈비덧살	0.69 ±0.16	0.60 ±0.08	0.57 ±0.12	0.57 ±0.12	0.54 ±0.11	0.53 ±0.11	0.53 ±0.10	0.52 ±0.10	0.57 ±0.12	0.52 ±0.11	0.53 ±0.10	0.55 ±0.11
부채덮개살	0.72 ±0.09	0.64 ±0.09	0.63 ±0.10	0.63 ±0.10	0.59 ±0.11	0.58 ±0.07	0.59 ±0.11	0.55 ±0.11	0.60 ±0.14	0.62 ±0.15	0.56 ±0.07	0.60 ±0.11
우둔살	4.95 ±1.00	5.11 ±0.35	4.86 ±0.58	4.77 ±0.41	4.61 ±0.40	4.50 ±0.41	4.42 ±0.43	4.27 ±0.41	4.35 ±0.49	4.33 ±0.41	4.25 ±0.54	4.52 ±0.49
홍두깨살	1.31 ±0.37	1.25 ±0.14	1.14 ±0.19	1.14 ±0.14	1.12 ±0.15	1.12 ±0.17	1.07 ±0.15	1.04 ±0.13	1.07 ±0.19	1.08 ±0.15	1.07 ±0.15	1.10 ±0.16
보섭살	2.89 ±0.64	2.93 ±0.26	2.81 ±0.31	2.83 ±0.25	2.73 ±0.23	2.66 ±0.21	2.65 ±0.26	2.54 ±0.23	2.65 ±0.32	2.66 ±0.27	2.58 ±0.26	2.69 ±0.27
설깃살	3.38 ±0.75	3.42 ±0.30	3.28 ±0.39	3.29 ±0.30	3.28 ±0.26	3.26 ±0.23	3.21 ±0.28	3.10 ±0.29	3.20 ±0.38	3.24 ±0.30	3.07 ±0.34	3.23 ±0.31
설깃머리살	1.04 ±0.26	1.11 ±0.14	1.06 ±0.16	1.08 ±0.12	1.10 ±0.11	1.10 ±0.10	1.10 ±0.11	1.05 ±0.12	1.08 ±0.15	1.10 ±0.13	1.09 ±0.12	1.09 ±0.12

구분	출하체중구간 (kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
도가니살	3.05 ±0.54	2.97 ±0.22	2.89 ±0.26	2.85 ±0.32	2.70 ±0.24	2.68 ±0.20	2.67 ±0.24	2.60 ±0.22	2.67 ±0.26	2.58 ±0.22	2.60 ±0.24	2.71 ±0.26
삼각살	0.72 ±0.18	0.67 ±0.06	0.69 ±0.10	0.69 ±0.06	0.67 ±0.07	0.67 ±0.06	0.66 ±0.07	0.63 ±0.06	0.64 ±0.09	0.68 ±0.06	0.64 ±0.08	0.66 ±0.08
양지머리	4.66 ±0.83	4.27 ±0.41	4.46 ±0.49	4.26 ±0.45	4.22 ±0.54	4.22 ±0.45	4.34 ±0.68	4.10 ±0.61	4.31 ±0.74	4.67 ±0.73	4.74 ±0.54	4.30 ±0.61
차돌박이	1.42 ±0.26	1.87 ±0.25	1.83 ±0.28	1.79 ±0.29	1.71 ±0.23	1.67 ±0.24	1.66 ±0.28	1.57 ±0.22	1.48 ±0.21	1.58 ±0.33	1.73 ±0.36	1.66 ±0.27
업진살	2.27 ±0.55	2.45 ±0.20	2.34 ±0.19	2.33 ±0.22	2.37 ±0.24	2.45 ±0.29	2.32 ±0.26	2.41 ±0.30	2.33 ±0.27	2.37 ±0.27	2.24 ±0.31	2.37 ±0.26
업진안살	0.44 ±0.13	0.45 ±0.03	0.42 ±0.07	0.45 ±0.05	0.43 ±0.06	0.43 ±0.07	0.40 ±0.07	0.40 ±0.08	0.4 ±0.07	0.41 ±0.09	0.40 ±0.08	0.42 ±0.07
치마양지	2.81 ±0.32	2.81 ±0.26	2.80 ±0.30	2.80 ±0.20	2.84 ±0.30	3.01 ±0.28	2.98 ±0.32	2.97 ±0.34	2.88 ±0.35	2.96 ±0.29	2.96 ±0.27	2.91 ±0.31
치마살	0.86 ±0.15	0.89 ±0.10	0.87 ±0.07	0.89 ±0.07	0.88 ±0.08	0.91 ±0.07	0.93 ±0.08	0.91 ±0.10	0.90 ±0.11	0.91 ±0.13	0.90 ±0.10	0.90 ±0.09
앞치마살	0.63 ±0.08	0.64 ±0.08	0.60 ±0.08	0.60 ±0.06	0.60 ±0.08	0.65 ±0.09	0.63 ±0.07	0.64 ±0.08	0.63 ±0.08	0.66 ±0.09	0.63 ±0.11	0.63 ±0.08
앞사태	2.23 ±0.24	1.97 ±0.16	1.92 ±0.24	1.82 ±0.16	1.79 ±0.18	1.78 ±0.14	1.79 ±0.17	1.73 ±0.15	1.78 ±0.20	1.71 ±0.18	1.79 ±0.18	1.80 ±0.19
뒷사태	2.46 ±0.37	2.39 ±0.20	2.25 ±0.27	2.20 ±0.22	2.10 ±0.20	2.08 ±0.18	2.05 ±0.18	1.96 ±0.18	2.02 ±0.22	1.98 ±0.20	1.94 ±0.16	2.08 ±0.23
뭉치사태	1.19 ±0.21	1.19 ±0.12	1.10 ±0.14	1.09 ±0.12	1.03 ±0.10	1.04 ±0.10	1.01 ±0.10	0.96 ±0.09	0.99 ±0.12	0.97 ±0.10	0.92 ±0.09	1.03 ±0.12
아롱사태	0.21 ±0.03	0.19 ±0.03	0.18 ±0.02	0.18 ±0.03	0.17 ±0.03	0.17 ±0.02	0.17 ±0.02	0.16 ±0.02	0.17 ±0.02	0.16 ±0.02	0.15 ±0.02	0.17 ±0.02
상박살	0.37 ±0.04	0.33 ±0.04	0.32 ±0.05	0.32 ±0.04	0.31 ±0.03	0.31 ±0.03	0.31 ±0.04	0.30 ±0.03	0.32 ±0.04	0.30 ±0.04	0.31 ±0.03	0.31 ±0.04
본갈비	1.89 ±0.24	1.70 ±0.18	1.67 ±0.24	1.67 ±0.21	1.60 ±0.24	1.67 ±0.19	1.64 ±0.23	1.63 ±0.23	1.68 ±0.19	1.75 ±0.22	1.70 ±0.16	1.66 ±0.22
꽃갈비	2.53 ±0.25	2.46 ±0.18	2.44 ±0.19	2.43 ±0.18	2.36 ±0.23	2.39 ±0.20	2.44 ±0.22	2.40 ±0.18	2.41 ±0.20	2.54 ±0.21	2.59 ±0.16	2.42 ±0.21
참갈비	2.17 ±0.27	2.21 ±0.22	2.14 ±0.27	2.12 ±0.24	2.25 ±0.27	2.17 ±0.25	2.30 ±0.30	2.25 ±0.24	2.32 ±0.29	2.28 ±0.46	2.29 ±0.37	2.24 ±0.29
갈비살	4.27 ±0.54	4.32 ±0.32	4.23 ±0.38	4.26 ±0.41	4.34 ±0.41	4.40 ±0.44	4.52 ±0.43	4.48 ±0.39	4.55 ±0.36	4.67 ±0.56	4.64 ±0.37	4.43 ±0.42
마구리	2.55 ±0.25	2.28 ±0.29	2.37 ±0.47	2.39 ±0.44	2.04 ±0.38	1.94 ±0.29	1.96 ±0.38	1.88 ±0.36	1.95 ±0.41	1.99 ±0.38	2.14 ±0.59	2.06 ±0.43
토시살	0.23 ±0.02	0.26 ±0.04	0.25 ±0.04	0.24 ±0.02	0.24 ±0.02	0.24 ±0.02	0.24 ±0.03	0.23 ±0.03	0.24 ±0.03	0.24 ±0.02	0.23 ±0.02	0.24 ±0.03
안창살	0.39 ±0.04	0.42 ±0.07	0.40 ±0.06	0.39 ±0.04	0.39 ±0.04	0.40 ±0.04	0.40 ±0.05	0.38 ±0.05	0.38 ±0.04	0.38 ±0.04	0.38 ±0.04	0.39 ±0.05
제비추리	0.26 ±0.02	0.21 ±0.03	0.22 ±0.04	0.22 ±0.03	0.22 ±0.04	0.20 ±0.03	0.20 ±0.05	0.19 ±0.03	0.21 ±0.04	0.21 ±0.05	0.18 ±0.03	0.21 ±0.04

*평균±표준편차

표 121 한우 암소 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중 (kg)	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
거래정육중 (소분할, kg)	157.66 ±13.43	169.60 ±9.68	187.36 ±11.71	199.70 ±9.73	219.39 ±13.13	230.71 ±12.25	244.81 ±11.16	286.35 ±24.20	204.44 ±30.50
안심살	1.92 ±0.20	1.88 ±0.21	1.80 ±0.12	1.75 ±0.13	1.77 ±0.11	1.78 ±0.11	1.62 ±0.09	1.65 ±0.10	1.78 ±0.15
윗등심살	3.43 ±0.25	3.46 ±0.31	3.56 ±0.31	3.52 ±0.40	3.55 ±0.34	3.52 ±0.40	3.32 ±0.26	3.43 ±0.21	3.50 ±0.34
꽃등심살	2.56 ±0.22	2.39 ±0.26	2.43 ±0.19	2.38 ±0.20	2.40 ±0.17	2.42 ±0.21	2.27 ±0.19	2.33 ±0.20	2.40 ±0.21
아래등심살	1.88 ±0.15	1.79 ±0.30	1.82 ±0.16	1.81 ±0.15	1.77 ±0.12	1.79 ±0.21	1.68 ±0.16	1.61 ±0.31	1.79 ±0.18
살치살	0.98 ±0.12	0.95 ±0.17	1.02 ±0.14	1.00 ±0.16	1.00 ±0.15	1.00 ±0.17	0.90 ±0.13	0.95 ±0.11	0.99 ±0.15
채끝살	2.49 ±0.22	2.40 ±0.17	2.38 ±0.18	2.42 ±0.13	2.37 ±0.15	2.36 ±0.18	2.25 ±0.17	2.27 ±0.34	2.38 ±0.17
목심살	4.25 ±0.40	4.41 ±0.60	4.33 ±0.55	4.25 ±0.49	4.47 ±0.30	4.25 ±0.69	4.05 ±0.63	4.45 ±0.19	4.31 ±0.51
꾸리살	0.79 ±0.09	0.79 ±0.08	0.78 ±0.09	0.72 ±0.07	0.74 ±0.06	0.75 ±0.09	0.72 ±0.06	0.73 ±0.05	0.75 ±0.08
부채살	1.22 ±0.11	1.14 ±0.13	1.15 ±0.10	1.10 ±0.12	1.07 ±0.13	1.10 ±0.08	1.07 ±0.09	1.12 ±0.15	1.11 ±0.12
앞다리살	3.06 ±0.25	3.00 ±0.29	2.93 ±0.26	2.88 ±0.26	2.97 ±0.22	2.91 ±0.18	2.73 ±0.14	2.90 ±0.23	2.92 ±0.25
갈비덧살	0.58 ±0.05	0.55 ±0.13	0.53 ±0.10	0.51 ±0.11	0.48 ±0.10	0.47 ±0.08	0.50 ±0.08	0.50 ±0.06	0.51 ±0.10
부채덮개살	0.61 ±0.07	0.60 ±0.10	0.60 ±0.07	0.55 ±0.06	0.56 ±0.06	0.56 ±0.08	0.49 ±0.04	0.53 ±0.09	0.56 ±0.07
우둔살	5.13 ±0.35	4.87 ±0.52	4.78 ±0.43	4.57 ±0.37	4.60 ±0.40	4.50 ±0.37	4.15 ±0.35	4.47 ±0.73	4.63 ±0.46
홍두깨살	1.19 ±0.13	1.14 ±0.23	1.13 ±0.12	1.08 ±0.11	1.16 ±0.18	1.07 ±0.10	1.05 ±0.15	1.14 ±0.12	1.11 ±0.14
보섭살	2.95 ±0.26	2.87 ±0.32	2.84 ±0.27	2.70 ±0.19	2.67 ±0.20	2.71 ±0.19	2.45 ±0.18	2.70 ±0.31	2.74 ±0.25
설깃살	3.39 ±0.29	3.29 ±0.40	3.27 ±0.29	3.25 ±0.23	3.31 ±0.23	3.26 ±0.18	2.97 ±0.23	3.20 ±0.45	3.25 ±0.28
설깃머리살	1.11 ±0.15	1.05 ±0.16	1.08 ±0.12	1.08 ±0.11	1.12 ±0.10	1.10 ±0.10	1.00 ±0.13	1.11 ±0.14	1.08 ±0.12
도가니살	3.01 ±0.28	2.86 ±0.24	2.81 ±0.36	2.64 ±0.21	2.69 ±0.22	2.69 ±0.23	2.49 ±0.24	2.61 ±0.28	2.72 ±0.28

구분	출하체중구간 (kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
삼각살	0.68 ±0.07	0.73 ±0.10	0.69 ±0.07	0.65 ±0.07	0.67 ±0.06	0.67 ±0.06	0.61 ±0.05	0.70 ±0.07	0.67 ±0.07
양지머리	4.12 ±0.37	4.35 ±0.53	4.06 ±0.35	4.06 ±0.35	4.09 ±0.44	4.06 ±0.43	3.80 ±0.37	4.15 ±0.80	4.08 ±0.42
차돌박이	1.87 ±0.24	1.83 ±0.34	1.76 ±0.30	1.70 ±0.27	1.69 ±0.29	1.60 ±0.23	1.62 ±0.19	1.68 ±0.35	1.72 ±0.28
업진살	2.40 ±0.25	2.37 ±0.18	2.37 ±0.16	2.36 ±0.28	2.38 ±0.29	2.30 ±0.28	2.55 ±0.30	2.21 ±0.28	2.37 ±0.26
업진안살	0.45 ±0.04	0.44 ±0.06	0.46 ±0.05	0.44 ±0.06	0.44 ±0.08	0.42 ±0.08	0.43 ±0.08	0.41 ±0.07	0.44 ±0.06
치마양지	2.80 ±0.26	2.77 ±0.35	2.80 ±0.19	2.85 ±0.33	3.00 ±0.30	3.00 ±0.32	2.76 ±0.25	2.83 ±0.37	2.86 ±0.30
치마살	0.89 ±0.09	0.87 ±0.07	0.88 ±0.06	0.86 ±0.08	0.89 ±0.06	0.91 ±0.06	0.86 ±0.08	0.94 ±0.08	0.88 ±0.07
앞치마살	0.63 ±0.08	0.59 ±0.08	0.59 ±0.05	0.59 ±0.09	0.66 ±0.11	0.64 ±0.10	0.63 ±0.05	0.58 ±0.08	0.61 ±0.09
앞사태	1.96 ±0.17	1.83 ±0.25	1.77 ±0.16	1.72 ±0.14	1.75 ±0.13	1.70 ±0.11	1.67 ±0.13	1.86 ±0.15	1.76 ±0.17
뒷사태	2.41 ±0.20	2.16 ±0.26	2.18 ±0.21	2.03 ±0.12	2.08 ±0.19	2.04 ±0.16	1.90 ±0.13	2.00 ±0.21	2.09 ±0.21
뭉치사태	1.20 ±0.11	1.07 ±0.15	1.08 ±0.12	1.00 ±0.06	1.05 ±0.10	1.03 ±0.09	0.92 ±0.08	0.96 ±0.10	1.04 ±0.12
아롱사태	0.20 ±0.03	0.17 ±0.02	0.17 ±0.03	0.16 ±0.02	0.17 ±0.02	0.16 ±0.02	0.15 ±0.02	0.16 ±0.02	0.17 ±0.02
상박살	0.33 ±0.04	0.30 ±0.05	0.31 ±0.04	0.30 ±0.03	0.31 ±0.03	0.30 ±0.03	0.29 ±0.02	0.31 ±0.03	0.30 ±0.03
본갈비	1.69 ±0.16	1.60 ±0.17	1.58 ±0.18	1.48 ±0.19	1.58 ±0.17	1.50 ±0.15	1.49 ±0.22	1.81 ±0.11	1.55 ±0.19
꽃갈비	2.46 ±0.20	2.41 ±0.15	2.40 ±0.18	2.27 ±0.21	2.32 ±0.21	2.36 ±0.17	2.35 ±0.26	2.60 ±0.07	2.35 ±0.21
참갈비	2.17 ±0.21	2.21 ±0.31	2.04 ±0.20	2.22 ±0.31	2.09 ±0.21	2.13 ±0.19	2.23 ±0.21	2.11 ±0.21	2.15 ±0.25
갈비살	4.31 ±0.33	4.23 ±0.42	4.14 ±0.37	4.20 ±0.41	4.25 ±0.43	4.25 ±0.31	4.31 ±0.51	4.43 ±0.19	4.23 ±0.39
마구리	2.30 ±0.29	2.26 ±0.47	2.42 ±0.53	1.96 ±0.41	1.87 ±0.29	2.00 ±0.47	1.99 ±0.40	2.38 ±0.83	2.10 ±0.47
토시살	0.26 ±0.03	0.24 ±0.05	0.24 ±0.02	0.24 ±0.02	0.24 ±0.03	0.24 ±0.03	0.22 ±0.03	0.23 ±0.02	0.24 ±0.03
안창살	0.44 ±0.06	0.42 ±0.08	0.39 ±0.04	0.40 ±0.05	0.41 ±0.04	0.41 ±0.06	0.38 ±0.04	0.37 ±0.04	0.40 ±0.05
제비추리	0.21 ±0.03	0.20 ±0.04	0.21 ±0.03	0.20 ±0.02	0.20 ±0.03	0.19 ±0.03	0.18 ±0.02	0.18 ±0.03	0.20 ±0.03

*평균±표준편차

표 122 한우 수소 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간 (kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중 (kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중 (kg)	180.08 ±17.14	210.06 ±9.76	229.71 ±18.74	244.83 ±10.70	270.06 ±21.58	293.87 ±14.63	307.46 ±17.28	332.60 ±24.60	258.52 ±52.42
거래정육중 (소분할, kg)	202.46 ±18.20	235.56 ±10.18	257.58 ±16.82	274.83 ±9.95	303.30 ±19.94	330.47 ±15.00	342.07 ±16.49	373.95 ±23.18	290.02 ±57.82
안심살	2.94 ±0.12	2.94 ±0.18	2.89 ±0.13	2.93 ±0.15	2.87 ±0.30	2.76 ±0.13	2.67 ±0.15	2.79 ±0.12	2.85 ±0.18
윗등심살	6.81 ±0.54	6.86 ±0.52	7.31 ±0.91	6.82 ±0.55	7.23 ±0.58	6.85 ±0.41	7.00 ±0.35	7.07 ±0.74	7.02 ±0.62
꽃등심살	4.52 ±0.37	4.46 ±0.14	4.39 ±0.32	4.51 ±0.27	4.28 ±0.31	4.21 ±0.13	4.14 ±0.15	4.31 ±0.31	4.35 ±0.29
아래등심살	2.91 ±0.36	3.01 ±0.10	3.00 ±0.29	2.97 ±0.25	2.86 ±0.24	2.88 ±0.11	2.82 ±0.18	2.97 ±0.23	2.93 ±0.24
살치살	1.58 ±0.20	1.70 ±0.14	1.85 ±0.29	1.66 ±0.22	1.78 ±0.25	1.55 ±0.23	1.64 ±0.23	1.82 ±0.31	1.71 ±0.26
채끝살	3.61 ±0.23	3.73 ±0.17	3.63 ±0.30	3.73 ±0.23	3.55 ±0.31	3.63 ±0.27	3.46 ±0.31	3.41 ±0.17	3.58 ±0.27
목심살	10.30 ±1.47	10.55 ±1.25	10.59 ±1.41	10.99 ±0.33	11.59 ±0.99	11.65 ±1.31	12.36 ±0.99	11.39 ±2.48	11.15 ±1.52
꾸리살	1.45 ±0.14	1.41 ±0.13	1.35 ±0.08	1.30 ±0.06	1.31 ±0.06	1.30 ±0.06	1.37 ±0.09	1.33 ±0.07	1.35 ±0.10
부채살	1.98 ±0.21	1.94 ±0.18	1.94 ±0.15	1.90 ±0.10	1.92 ±0.16	1.82 ±0.12	1.92 ±0.12	1.84 ±0.15	1.91 ±0.15
앞다리살	5.99 ±0.30	5.94 ±0.29	5.84 ±0.24	5.70 ±0.28	5.82 ±0.23	5.67 ±0.18	5.83 ±0.37	5.80 ±0.28	5.82 ±0.28
갈비덧살	1.08 ±0.16	1.10 ±0.17	1.03 ±0.19	1.03 ±0.15	0.95 ±0.17	0.98 ±0.25	1.02 ±0.15	0.95 ±0.16	1.01 ±0.18
부채덮개살	1.20 ±0.10	1.24 ±0.10	1.17 ±0.16	1.13 ±0.10	1.19 ±0.15	1.22 ±0.15	1.30 ±0.12	1.20 ±0.13	1.20 ±0.13
우둔살	8.12 ±0.79	7.96 ±0.24	7.88 ±0.35	7.70 ±0.22	7.63 ±0.41	7.92 ±0.38	7.67 ±0.44	7.42 ±0.44	7.79 ±0.48
홍두깨살	2.07 ±0.26	2.04 ±0.17	2.06 ±0.19	1.99 ±0.11	1.98 ±0.18	1.96 ±0.18	2.03 ±0.27	1.93 ±0.14	2.01 ±0.19
보섭살	4.57 ±0.35	4.67 ±0.18	4.71 ±0.28	4.68 ±0.22	4.58 ±0.25	4.66 ±0.14	4.73 ±0.28	4.61 ±0.29	4.65 ±0.26
설깃살	5.51 ±0.55	5.60 ±0.29	5.59 ±0.24	5.53 ±0.27	5.44 ±0.27	5.74 ±0.26	5.68 ±0.19	5.61 ±0.26	5.59 ±0.31
설깃머리살	1.80 ±0.26	1.83 ±0.11	1.83 ±0.14	1.82 ±0.12	1.84 ±0.13	1.83 ±0.11	1.89 ±0.17	1.79 ±0.14	1.83 ±0.15
도가니살	4.73 ±0.37	4.74 ±0.44	4.62 ±0.27	4.61 ±0.22	4.45 ±0.27	4.62 ±0.12	4.30 ±0.15	4.37 ±0.33	4.55 ±0.31

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
삼각살	1.09 ±0.10	1.11 ±0.06	1.15 ±0.08	1.18 ±0.04	1.16 ±0.07	1.13 ±0.07	1.15 ±0.13	1.14 ±0.07	1.14 ±0.08
양지머리	8.00 ±0.44	7.66 ±0.58	7.77 ±0.61	7.81 ±0.33	8.22 ±0.49	8.10 ±0.78	8.36 ±0.98	8.63 ±0.66	8.08 ±0.67
차돌박이	2.70 ±0.44	2.99 ±0.49	2.77 ±0.33	2.76 ±0.19	2.88 ±0.37	2.72 ±0.18	2.50 ±0.35	2.57 ±0.31	2.73 ±0.36
업진살	3.74 ±0.43	3.74 ±0.27	3.87 ±0.35	4.05 ±0.31	3.78 ±0.52	3.73 ±0.42	3.56 ±0.27	3.83 ±0.34	3.79 ±0.38
업진안살	0.71 ±0.11	0.74 ±0.03	0.75 ±0.08	0.75 ±0.09	0.72 ±0.08	0.75 ±0.10	0.73 ±0.12	0.73 ±0.08	0.74 ±0.09
치마양지	4.55 ±0.28	4.62 ±0.29	4.61 ±0.39	5.07 ±0.28	4.63 ±0.42	4.51 ±0.57	4.53 ±0.28	4.82 ±0.37	4.66 ±0.39
치마살	1.39 ±0.15	1.51 ±0.10	1.46 ±0.12	1.56 ±0.10	1.49 ±0.18	1.46 ±0.19	1.46 ±0.08	1.53 ±0.08	1.48 ±0.14
앞치마살	1.00 ±0.08	1.01 ±0.14	0.99 ±0.09	1.06 ±0.08	0.99 ±0.09	0.97 ±0.10	1.04 ±0.08	1.02 ±0.13	1.01 ±0.10
앞사태	3.54 ±0.36	3.16 ±0.17	3.23 ±0.17	3.12 ±0.24	3.15 ±0.19	3.13 ±0.13	3.08 ±0.09	3.03 ±0.19	3.19 ±0.25
뒷사태	3.98 ±0.32	3.83 ±0.19	3.77 ±0.22	3.63 ±0.17	3.49 ±0.21	3.63 ±0.18	3.58 ±0.10	3.40 ±0.29	3.66 ±0.28
뭉치사태	1.93 ±0.16	1.89 ±0.07	1.87 ±0.12	1.83 ±0.10	1.71 ±0.11	1.78 ±0.11	1.77 ±0.08	1.66 ±0.16	1.80 ±0.15
아롱사태	0.31 ±0.03	0.33 ±0.02	0.31 ±0.03	0.30 ±0.04	0.29 ±0.03	0.29 ±0.02	0.28 ±0.02	0.26 ±0.03	0.30 ±0.03
상박살	0.60 ±0.06	0.56 ±0.04	0.55 ±0.02	0.54 ±0.06	0.55 ±0.06	0.56 ±0.04	0.57 ±0.04	0.52 ±0.02	0.56 ±0.05
본갈비	3.10 ±0.31	3.01 ±0.16	2.96 ±0.18	2.95 ±0.19	3.04 ±0.35	3.17 ±0.40	2.96 ±0.15	3.12 ±0.30	3.04 ±0.27
꽃갈비	4.15 ±0.34	4.08 ±0.38	4.05 ±0.27	4.04 ±0.23	4.16 ±0.31	4.02 ±0.23	3.87 ±0.25	4.18 ±0.38	4.07 ±0.30
참갈비	3.40 ±0.27	3.69 ±0.34	3.72 ±0.19	3.57 ±0.19	3.65 ±0.34	3.59 ±0.23	3.50 ±0.33	3.91 ±0.70	3.64 ±0.38
갈비살	6.96 ±0.40	7.29 ±0.78	7.32 ±0.23	7.40 ±0.49	7.67 ±0.67	7.63 ±0.21	7.18 ±0.44	7.91 ±0.96	7.43 ±0.61
마구리	4.32 ±0.81	3.72 ±0.25	3.68 ±0.52	3.58 ±0.31	3.49 ±0.32	3.53 ±0.51	3.59 ±0.53	3.39 ±0.50	3.67 ±0.56
토시살	0.40 ±0.03	0.43 ±0.04	0.38 ±0.04	0.39 ±0.02	0.40 ±0.03	0.40 ±0.05	0.39 ±0.04	0.41 ±0.02	0.40 ±0.04
안창살	0.61 ±0.05	0.65 ±0.07	0.62 ±0.06	0.62 ±0.07	0.61 ±0.09	0.65 ±0.12	0.59 ±0.05	0.59 ±0.06	0.62 ±0.07
제비추리	0.42 ±0.05	0.42 ±0.04	0.42 ±0.07	0.40 ±0.03	0.43 ±0.05	0.37 ±0.04	0.44 ±0.01	0.39 ±0.07	0.41 ±0.05

*평균±표준편차

표 123 한우 거세우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중 (kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중 (kg)	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
거래정육중 (소분할, kg)	231.16 ±18.78	280.19 ±10.54	299.50 ±13.09	318.07 ±12.10	344.35 ±13.00	362.28 ±13.24	395.43 ±16.56	406.01 ±11.27	334.36 ±46.20
안심살	2.32 ±0.14	2.28 ±0.23	2.28 ±0.17	2.24 ±0.14	2.20 ±0.14	2.20 ±0.16	2.19 ±0.20	2.28 ±0.05	2.23 ±0.16
윗등심살	3.66 ±0.33	3.75 ±0.30	3.76 ±0.37	3.76 ±0.43	3.83 ±0.42	3.73 ±0.41	3.71 ±0.42	3.50 ±0.28	3.75 ±0.39
꽃등심살	2.58 ±0.20	2.49 ±0.21	2.57 ±0.21	2.39 ±0.26	2.45 ±0.24	2.43 ±0.28	2.52 ±0.23	2.48 ±0.23	2.47 ±0.25
아래등심살	1.83 ±0.15	1.78 ±0.19	2.01 ±0.33	1.75 ±0.22	1.75 ±0.20	1.78 ±0.27	1.71 ±0.15	1.68 ±0.20	1.77 ±0.23
살치살	1.10 ±0.15	1.05 ±0.13	1.12 ±0.21	1.08 ±0.15	1.10 ±0.16	1.11 ±0.18	1.04 ±0.14	1.03 ±0.23	1.09 ±0.16
채끝살	2.94 ±0.21	3.07 ±0.21	3.01 ±0.18	3.00 ±0.27	2.93 ±0.21	2.94 ±0.27	3.11 ±0.28	2.91 ±0.39	2.98 ±0.25
목심살	4.60 ±0.39	5.31 ±0.34	5.20 ±0.49	5.26 ±0.63	5.27 ±0.47	5.15 ±0.62	5.31 ±1.03	4.54 ±0.31	5.16 ±0.62
꾸리살	0.85 ±0.08	0.78 ±0.03	0.78 ±0.06	0.76 ±0.07	0.73 ±0.06	0.75 ±0.10	0.74 ±0.10	0.82 ±0.10	0.76 ±0.08
부채살	1.20 ±0.15	1.19 ±0.07	1.22 ±0.10	1.17 ±0.10	1.15 ±0.11	1.18 ±0.16	1.10 ±0.14	1.19 ±0.15	1.17 ±0.12
앞다리살	3.23 ±0.23	3.08 ±0.18	3.09 ±0.18	3.13 ±0.29	3.04 ±0.21	3.14 ±0.31	3.06 ±0.36	3.32 ±0.17	3.11 ±0.26
갈비덧살	0.64 ±0.09	0.56 ±0.09	0.61 ±0.10	0.58 ±0.11	0.55 ±0.09	0.58 ±0.13	0.51 ±0.10	0.62 ±0.12	0.57 ±0.11
부채덮개살	0.63 ±0.09	0.59 ±0.06	0.59 ±0.06	0.56 ±0.06	0.53 ±0.06	0.55 ±0.06	0.54 ±0.08	0.60 ±0.06	0.56 ±0.07
우둔살	4.57 ±0.40	4.47 ±0.34	4.24 ±0.30	4.33 ±0.38	4.23 ±0.29	4.31 ±0.43	4.24 ±0.35	4.16 ±0.40	4.30 ±0.37
홍두깨살	1.10 ±0.14	1.12 ±0.12	1.02 ±0.07	1.05 ±0.10	1.05 ±0.10	1.06 ±0.15	1.07 ±0.13	1.03 ±0.12	1.06 ±0.12
보섭살	2.69 ±0.17	2.68 ±0.17	2.58 ±0.15	2.60 ±0.24	2.55 ±0.18	2.61 ±0.29	2.61 ±0.23	2.56 ±0.20	2.60 ±0.22
설깃살	3.20 ±0.25	3.27 ±0.21	3.16 ±0.13	3.20 ±0.31	3.11 ±0.20	3.18 ±0.34	3.17 ±0.23	3.01 ±0.21	3.16 ±0.26
설깃머리살	1.02 ±0.09	1.16 ±0.08	1.08 ±0.10	1.11 ±0.12	1.08 ±0.12	1.08 ±0.15	1.13 ±0.13	1.10 ±0.12	1.09 ±0.12
도가니살	3.03 ±0.21	2.78 ±0.24	2.70 ±0.16	2.72 ±0.25	2.67 ±0.18	2.75 ±0.27	2.62 ±0.21	2.68 ±0.24	2.73 ±0.24

구분	출하체중구간 (kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
삼각살	0.67 ±0.07	0.69 ±0.06	0.67 ±0.07	0.66 ±0.07	0.65 ±0.06	0.65 ±0.07	0.70 ±0.07	0.64 ±0.08	0.66 ±0.07
양지머리	9.23 ±0.72	9.01 ±0.60	9.21 ±0.82	9.36 ±0.83	9.50 ±0.86	9.26 ±1.06	9.75 ±1.05	10.78 ±0.79	9.43 ±0.93
차돌박이	1.86 ±0.16	1.88 ±0.12	1.77 ±0.10	1.92 ±0.31	1.81 ±0.28	1.74 ±0.25	1.76 ±0.45	2.05 ±0.17	1.83 ±0.28
업진살	4.46 ±0.71	4.79 ±0.51	5.22 ±0.48	4.92 ±0.56	5.22 ±0.63	4.88 ±0.61	5.13 ±1.04	4.87 ±0.61	4.98 ±0.67
업진안살	0.41 ±0.06	0.41 ±0.05	0.46 ±0.05	0.42 ±0.08	0.41 ±0.08	0.42 ±0.06	0.40 ±0.08	0.46 ±0.09	0.42 ±0.07
치마양지	7.76 ±0.69	7.93 ±0.59	8.33 ±0.79	8.51 ±1.04	8.80 ±0.60	8.47 ±1.12	8.76 ±1.32	8.10 ±0.83	8.46 ±0.95
치마살	0.95 ±0.06	1.01 ±0.12	1.01 ±0.10	1.04 ±0.11	1.04 ±0.10	1.00 ±0.13	0.98 ±0.16	0.98 ±0.12	1.01 ±0.11
앞치마살	0.68 ±0.10	0.69 ±0.11	0.71 ±0.09	0.68 ±0.07	0.73 ±0.13	0.70 ±0.10	0.75 ±0.13	0.75 ±0.13	0.71 ±0.11
앞사태	2.24 ±0.17	2.23 ±0.12	2.15 ±0.09	2.17 ±0.20	2.09 ±0.12	2.14 ±0.22	2.03 ±0.16	2.05 ±0.25	2.13 ±0.18
뒷사태	2.62 ±0.21	2.62 ±0.23	2.41 ±0.14	2.50 ±0.21	2.45 ±0.20	2.48 ±0.23	2.42 ±0.19	2.39 ±0.17	2.48 ±0.21
뭉치사태	1.06 ±0.10	1.03 ±0.10	1.01 ±0.09	1.01 ±0.11	0.96 ±0.07	0.98 ±0.11	0.96 ±0.09	0.93 ±0.08	0.99 ±0.10
아롱사태	0.19 ±0.02	0.19 ±0.03	0.18 ±0.02	0.18 ±0.02	0.18 ±0.02	0.18 ±0.02	0.17 ±0.02	0.16 ±0.02	0.18 ±0.02
상박살	0.35 ±0.03	0.31 ±0.04	0.31 ±0.04	0.32 ±0.04	0.31 ±0.02	0.32 ±0.03	0.31 ±0.04	0.33 ±0.03	0.32 ±0.03
본갈비	2.19 ±0.23	2.20 ±0.25	2.19 ±0.17	2.01 ±0.25	1.98 ±0.22	2.01 ±0.18	2.06 ±0.22	2.03 ±0.17	2.05 ±0.22
꽃갈비	3.12 ±0.13	3.51 ±0.37	3.28 ±0.22	3.31 ±0.34	3.29 ±0.39	3.28 ±0.40	3.45 ±0.40	3.48 ±0.13	3.32 ±0.35
참갈비	3.28 ±0.22	3.97 ±0.58	3.48 ±0.31	3.81 ±0.52	3.62 ±0.37	3.77 ±0.56	3.48 ±0.75	3.50 ±0.30	3.66 ±0.51
갈비살	4.28 ±0.36	4.60 ±0.14	4.64 ±0.45	4.60 ±0.34	4.47 ±0.37	4.57 ±0.39	4.55 ±0.54	4.73 ±0.45	4.54 ±0.39
마구리	2.29 ±0.12	2.07 ±0.33	1.92 ±0.27	1.84 ±0.34	1.76 ±0.29	1.81 ±0.31	1.89 ±0.40	2.22 ±0.52	1.90 ±0.35
토시살	0.61 ±0.08	0.54 ±0.10	0.58 ±0.11	0.61 ±0.17	0.59 ±0.16	0.56 ±0.10	0.55 ±0.13	0.53 ±0.09	0.58 ±0.13
안창살	0.64 ±0.06	0.74 ±0.11	0.80 ±0.21	0.80 ±0.14	0.75 ±0.12	0.75 ±0.12	0.79 ±0.11	0.81 ±0.12	0.76 ±0.13
제비추리	0.32 ±0.03	0.32 ±0.05	0.27 ±0.05	0.30 ±0.04	0.29 ±0.04	0.30 ±0.04	0.29 ±0.05	0.28 ±0.02	0.30 ±0.04

*평균±표준편차

5) 도체등급에 따른 절식체중 대비 소분할 부분육 생산율

표 124 육질 1++등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중 (kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중 (kg)	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
거래정육중 (소분할, kg)	177.93 ±16.98	183.34 ±13.90	200.74 ±17.53	186.85 ±6.27	200.07 ±7.05	208.93 ±15.23
안심살	1.07 ±0.08	1.04 ±0.04	1.09 ±0.04	1.07 ±0.06	0.97 ±0.04	1.05 ±0.06
윗등심살	2.45 ±0.20	2.39 ±0.22	2.31 ±0.23	2.18 ±0.25	2.00 ±0.15	2.31 ±0.25
꽃등심살	1.49 ±0.14	1.61 ±0.18	1.45 ±0.21	1.61 ±0.21	1.43 ±0.10	1.53 ±0.17
아래등심살	1.09 ±0.09	1.09 ±0.11	1.18 ±0.10	1.04 ±0.13	0.98 ±0.11	1.08 ±0.11
살치살	0.64 ±0.06	0.64 ±0.07	0.67 ±0.08	0.56 ±0.12	0.51 ±0.08	0.62 ±0.09
채끝살	1.51 ±0.15	1.50 ±0.11	1.50 ±0.19	1.59 ±0.17	1.51 ±0.14	1.51 ±0.14
목심살	2.88 ±0.43	2.85 ±0.23	3.06 ±0.47	2.96 ±0.27	2.72 ±0.08	2.89 ±0.32
꾸리살	0.44 ±0.03	0.44 ±0.02	0.47 ±0.03	0.42 ±0.05	0.44 ±0.04	0.44 ±0.03
부채살	0.71 ±0.05	0.70 ±0.06	0.78 ±0.07	0.66 ±0.09	0.67 ±0.09	0.71 ±0.07
앞다리살	1.79 ±0.11	1.79 ±0.10	2.07 ±0.10	1.75 ±0.17	1.89 ±0.23	1.85 ±0.16
갈비덧살	0.30 ±0.03	0.29 ±0.05	0.39 ±0.05	0.29 ±0.04	0.30 ±0.04	0.31 ±0.06
부채덮개살	0.31 ±0.02	0.30 ±0.03	0.37 ±0.04	0.30 ±0.03	0.31 ±0.06	0.32 ±0.04
우둔살	2.56 ±0.11	2.51 ±0.19	2.68 ±0.12	2.55 ±0.29	2.39 ±0.08	2.54 ±0.18
홍두깨살	0.61 ±0.01	0.60 ±0.05	0.64 ±0.03	0.64 ±0.05	0.60 ±0.07	0.62 ±0.04
보섭살	1.48 ±0.09	1.55 ±0.11	1.63 ±0.11	1.58 ±0.11	1.52 ±0.02	1.55 ±0.10
설깃살	1.91 ±0.10	1.86 ±0.15	2.01 ±0.11	1.98 ±0.23	1.72 ±0.04	1.89 ±0.15
설깃머리살	0.66 ±0.06	0.66 ±0.09	0.69 ±0.04	0.73 ±0.12	0.68 ±0.08	0.68 ±0.08

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
도가니살	1.57 ±0.13	1.58 ±0.09	1.66 ±0.06	1.53 ±0.09	1.56 ±0.18	1.58 ±0.11
삼각살	0.37 ±0.02	0.39 ±0.04	0.41 ±0.05	0.44 ±0.06	0.40 ±0.03	0.40 ±0.04
양지머리	2.51 ±0.28	2.50 ±0.23	2.68 ±0.34	2.46 ±0.24	2.80 ±0.50	2.57 ±0.30
차돌박이	1.02 ±0.17	0.97 ±0.15	0.93 ±0.04	0.93 ±0.06	1.10 ±0.21	0.99 ±0.14
업진살	1.47 ±0.10	1.65 ±0.24	1.64 ±0.26	1.55 ±0.20	1.32 ±0.12	1.55 ±0.22
업진안살	0.26 ±0.05	0.27 ±0.05	0.27 ±0.02	0.20 ±0.06	0.22 ±0.05	0.25 ±0.05
치마양지	1.86 ±0.07	1.95 ±0.17	1.82 ±0.23	2.11 ±0.17	1.77 ±0.11	1.90 ±0.18
치마살	0.57 ±0.04	0.61 ±0.05	0.61 ±0.02	0.62 ±0.02	0.54 ±0.01	0.59 ±0.04
앞치마살	0.43 ±0.04	0.44 ±0.04	0.39 ±0.05	0.51 ±0.07	0.43 ±0.05	0.44 ±0.06
앞사태	1.01 ±0.05	1.03 ±0.09	1.12 ±0.09	1.01 ±0.07	1.05 ±0.08	1.04 ±0.08
뒷사태	1.16 ±0.08	1.17 ±0.08	1.27 ±0.10	1.17 ±0.05	1.16 ±0.07	1.18 ±0.08
뭉치사태	0.57 ±0.04	0.58 ±0.04	0.61 ±0.05	0.57 ±0.05	0.53 ±0.02	0.57 ±0.04
아롱사태	0.09 ±0.01	0.10 ±0.01	0.11 ±0.01	0.10 ±0.02	0.09 ±0.00	0.10 ±0.01
상박살	0.17 ±0.02	0.18 ±0.02	0.20 ±0.01	0.17 ±0.03	0.19 ±0.02	0.18 ±0.02
본갈비	1.00 ±0.10	0.99 ±0.07	1.02 ±0.02	1.01 ±0.11	1.01 ±0.03	1.00 ±0.07
꽃갈비	1.54 ±0.05	1.56 ±0.11	1.53 ±0.09	1.61 ±0.06	1.64 ±0.04	1.57 ±0.08
참갈비	1.50 ±0.24	1.50 ±0.14	1.52 ±0.10	1.24 ±0.11	1.36 ±0.06	1.45 ±0.17
갈비살	2.92 ±0.06	2.96 ±0.12	2.97 ±0.10	2.78 ±0.05	2.85 ±0.14	2.91 ±0.11
마구리	1.17 ±0.28	1.24 ±0.16	1.06 ±0.27	1.13 ±0.18	1.38 ±0.48	1.19 ±0.26
토시살	0.15 ±0.02	0.15 ±0.02	0.16 ±0.01	0.15 ±0.00	0.14 ±0.01	0.15 ±0.02
안창살	0.26 ±0.02	0.23 ±0.03	0.26 ±0.03	0.25 ±0.01	0.21 ±0.02	0.24 ±0.03
제비추리	0.11 ±0.01	0.12 ±0.01	0.14 ±0.01	0.10 ±0.01	0.12 ±0.03	0.12 ±0.02

*평균±표준편차

표 125 육질 1⁺등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간 (kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중 (kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중 (kg)	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
거래정육중 (소분할, kg)	179.50 ±19.18	187.37 ±18.19	191.53 ±8.47	204.08 ±5.96	209.33 ±16.82	216.11 ±10.00	225.61 ±15.87	236.19 ±16.54
안심살	1.04 ±0.11	1.10 ±0.06	1.08 ±0.04	1.08 ±0.08	1.05 ±0.07	1.09 ±0.09	1.08 ±0.08	1.07 ±0.07
윗등심살	2.25 ±0.24	2.25 ±0.24	2.38 ±0.20	2.25 ±0.21	2.36 ±0.24	2.35 ±0.21	2.37 ±0.20	2.33 ±0.22
꽃등심살	1.63 ±0.25	1.46 ±0.09	1.56 ±0.12	1.55 ±0.10	1.47 ±0.12	1.52 ±0.17	1.55 ±0.13	1.52 ±0.14
아래등심살	1.14 ±0.20	1.12 ±0.10	1.18 ±0.11	1.11 ±0.11	1.07 ±0.11	1.12 ±0.15	1.05 ±0.05	1.11 ±0.12
살치살	0.61 ±0.15	0.65 ±0.08	0.71 ±0.08	0.59 ±0.05	0.63 ±0.08	0.64 ±0.08	0.63 ±0.09	0.64 ±0.09
채끝살	1.54 ±0.22	1.50 ±0.12	1.45 ±0.05	1.55 ±0.14	1.37 ±0.10	1.37 ±0.11	1.46 ±0.14	1.44 ±0.13
목심살	2.58 ±0.12	2.68 ±0.40	2.76 ±0.24	3.00 ±0.17	2.94 ±0.28	2.90 ±0.22	3.00 ±0.48	2.86 ±0.32
꾸리살	0.48 ±0.03	0.45 ±0.03	0.46 ±0.04	0.47 ±0.03	0.45 ±0.03	0.46 ±0.03	0.47 ±0.02	0.46 ±0.03
부채살	0.71 ±0.06	0.69 ±0.06	0.72 ±0.09	0.71 ±0.05	0.72 ±0.07	0.73 ±0.06	0.71 ±0.04	0.71 ±0.06
앞다리살	1.77 ±0.14	1.83 ±0.12	1.83 ±0.12	1.84 ±0.06	1.87 ±0.15	1.90 ±0.16	1.96 ±0.12	1.86 ±0.14
갈비덧살	0.29 ±0.06	0.36 ±0.05	0.33 ±0.07	0.30 ±0.05	0.33 ±0.05	0.35 ±0.08	0.32 ±0.05	0.33 ±0.06
부채덮개살	0.33 ±0.03	0.34 ±0.04	0.34 ±0.04	0.35 ±0.03	0.33 ±0.03	0.33 ±0.03	0.34 ±0.02	0.34 ±0.03
우둔살	2.67 ±0.32	2.74 ±0.16	2.69 ±0.14	2.57 ±0.13	2.59 ±0.16	2.63 ±0.16	2.68 ±0.14	2.65 ±0.17
홍두깨살	0.63 ±0.13	0.65 ±0.05	0.67 ±0.11	0.60 ±0.05	0.62 ±0.04	0.65 ±0.08	0.65 ±0.07	0.64 ±0.07
보섭살	1.59 ±0.21	1.67 ±0.07	1.61 ±0.11	1.58 ±0.11	1.55 ±0.09	1.61 ±0.12	1.61 ±0.11	1.60 ±0.11
설깃살	1.85 ±0.27	2.00 ±0.12	1.95 ±0.11	1.94 ±0.12	1.92 ±0.15	1.92 ±0.15	2.01 ±0.13	1.95 ±0.15
설깃머리살	0.62 ±0.12	0.71 ±0.05	0.66 ±0.05	0.66 ±0.09	0.66 ±0.08	0.65 ±0.08	0.71 ±0.07	0.67 ±0.08
도가니살	1.73 ±0.11	1.62 ±0.11	1.60 ±0.09	1.62 ±0.10	1.60 ±0.11	1.67 ±0.14	1.67 ±0.08	1.63 ±0.11

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
삼각살	0.37 ±0.05	0.41 ±0.04	0.41 ±0.05	0.41 ±0.04	0.39 ±0.04	0.40 ±0.02	0.41 ±0.05	0.40 ±0.04
양지머리	2.45 ±0.20	2.48 ±0.15	2.42 ±0.14	2.72 ±0.35	2.56 ±0.35	2.60 ±0.32	2.74 ±0.32	2.56 ±0.29
차돌박이	1.12 ±0.10	1.00 ±0.12	0.94 ±0.06	1.07 ±0.29	1.00 ±0.17	0.92 ±0.19	1.01 ±0.24	1.00 ±0.18
업진살	1.58 ±0.18	1.46 ±0.16	1.56 ±0.23	1.49 ±0.11	1.49 ±0.21	1.43 ±0.16	1.65 ±0.23	1.51 ±0.19
업진안살	0.26 ±0.06	0.25 ±0.04	0.25 ±0.04	0.24 ±0.03	0.23 ±0.05	0.24 ±0.04	0.25 ±0.04	0.24 ±0.04
치마양지	1.72 ±0.19	1.83 ±0.17	1.86 ±0.20	1.79 ±0.16	1.90 ±0.17	1.89 ±0.19	1.86 ±0.23	1.85 ±0.18
치마살	0.53 ±0.04	0.58 ±0.05	0.55 ±0.04	0.55 ±0.02	0.58 ±0.05	0.58 ±0.05	0.55 ±0.14	0.57 ±0.06
앞치마살	0.39 ±0.08	0.38 ±0.06	0.42 ±0.06	0.38 ±0.05	0.39 ±0.06	0.42 ±0.06	0.41 ±0.06	0.40 ±0.06
앞사태	1.04 ±0.13	1.06 ±0.10	1.08 ±0.06	1.04 ±0.05	1.06 ±0.06	1.05 ±0.10	1.08 ±0.05	1.06 ±0.08
뒷사태	1.27 ±0.23	1.25 ±0.11	1.20 ±0.05	1.22 ±0.03	1.19 ±0.09	1.21 ±0.09	1.21 ±0.09	1.22 ±0.10
뭉치사태	0.62 ±0.12	0.60 ±0.06	0.60 ±0.05	0.60 ±0.02	0.58 ±0.05	0.60 ±0.05	0.58 ±0.05	0.59 ±0.05
아롱사태	0.10 ±0.02	0.10 ±0.02	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01
상박살	0.18 ±0.03	0.19 ±0.02	0.19 ±0.01	0.18 ±0.01	0.18 ±0.01	0.19 ±0.02	0.19 ±0.02	0.19 ±0.02
본갈비	1.00 ±0.06	0.97 ±0.15	1.08 ±0.12	1.06 ±0.09	1.01 ±0.09	1.06 ±0.10	1.11 ±0.07	1.04 ±0.11
꽃갈비	1.52 ±0.08	1.46 ±0.14	1.50 ±0.15	1.51 ±0.10	1.51 ±0.13	1.51 ±0.11	1.67 ±0.12	1.52 ±0.13
참갈비	1.32 ±0.19	1.41 ±0.17	1.43 ±0.22	1.33 ±0.12	1.38 ±0.10	1.48 ±0.20	1.54 ±0.36	1.41 ±0.19
갈비살	2.76 ±0.27	2.71 ±0.31	2.89 ±0.33	2.80 ±0.16	2.78 ±0.19	2.92 ±0.23	3.06 ±0.29	2.83 ±0.26
마구리	1.34 ±0.03	1.09 ±0.20	1.13 ±0.22	1.26 ±0.19	1.10 ±0.22	1.16 ±0.22	1.11 ±0.23	1.15 ±0.21
토시살	0.15 ±0.02	0.15 ±0.01	0.15 ±0.01	0.16 ±0.02	0.15 ±0.01	0.15 ±0.02	0.15 ±0.01	0.15 ±0.01
안창살	0.24 ±0.00	0.25 ±0.00	0.25 ±0.00	0.25 ±0.00	0.24 ±0.00	0.24 ±0.00	0.25 ±0.00	0.24 ±0.00
제비추리	0.12 ±0.00	0.12 ±0.00	0.12 ±0.00	0.13 ±0.00	0.11 ±0.00	0.12 ±0.00	0.12 ±0.00	0.12 ±0.00

*평균±표준편차

표 126 육질 1등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중 (kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중 (kg)	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
거래정육중 (소분할, kg)	175.19 ±15.50	195.05 ±15.47	197.56 ±10.03	200.27 ±10.70	217.14 ±15.83	221.37 ±13.23	219.55 ±10.82	231.38 ±15.63	245.63 ±17.76
안심살	1.11 ±0.04	1.05 ±0.08	1.04 ±0.12	1.03 ±0.06	1.06 ±0.07	1.04 ±0.07	1.04 ±0.10	1.03 ±0.09	1.05 ±0.08
윗등심살	2.15 ±0.21	2.18 ±0.17	2.20 ±0.22	2.12 ±0.16	2.22 ±0.29	2.25 ±0.28	2.26 ±0.25	2.35 ±0.32	2.21 ±0.24
꽃등심살	1.52 ±0.13	1.51 ±0.12	1.49 ±0.17	1.50 ±0.15	1.41 ±0.17	1.44 ±0.14	1.44 ±0.16	1.43 ±0.11	1.46 ±0.15
아래등심살	1.09 ±0.13	1.08 ±0.05	1.07 ±0.13	1.08 ±0.17	1.09 ±0.12	1.02 ±0.11	1.00 ±0.16	1.07 ±0.14	1.06 ±0.13
살치살	0.62 ±0.07	0.57 ±0.05	0.62 ±0.09	0.58 ±0.09	0.63 ±0.09	0.59 ±0.11	0.63 ±0.13	0.68 ±0.12	0.61 ±0.10
채끝살	1.43 ±0.12	1.42 ±0.07	1.47 ±0.14	1.38 ±0.13	1.39 ±0.11	1.32 ±0.13	1.30 ±0.08	1.37 ±0.10	1.39 ±0.12
목심살	2.61 ±0.37	2.65 ±0.34	2.66 ±0.28	2.80 ±0.33	2.66 ±0.39	2.77 ±0.28	2.74 ±0.37	2.50 ±0.23	2.68 ±0.32
꾸리살	0.48 ±0.04	0.48 ±0.03	0.44 ±0.04	0.46 ±0.04	0.45 ±0.03	0.43 ±0.03	0.44 ±0.07	0.48 ±0.04	0.45 ±0.04
부채살	0.73 ±0.10	0.66 ±0.03	0.66 ±0.08	0.71 ±0.07	0.68 ±0.08	0.69 ±0.05	0.68 ±0.09	0.72 ±0.08	0.69 ±0.08
앞다리살	1.88 ±0.18	1.85 ±0.19	1.77 ±0.18	1.82 ±0.14	1.83 ±0.17	1.83 ±0.13	1.84 ±0.17	1.90 ±0.12	1.83 ±0.16
갈비덧살	0.34 ±0.06	0.35 ±0.05	0.31 ±0.08	0.31 ±0.06	0.35 ±0.05	0.32 ±0.05	0.28 ±0.05	0.34 ±0.10	0.33 ±0.07
부채덮개살	0.36 ±0.07	0.36 ±0.03	0.33 ±0.05	0.34 ±0.03	0.33 ±0.05	0.32 ±0.03	0.31 ±0.03	0.35 ±0.02	0.33 ±0.04
우둔살	2.87 ±0.25	2.75 ±0.24	2.69 ±0.24	2.50 ±0.17	2.64 ±0.23	2.63 ±0.14	2.62 ±0.28	2.69 ±0.30	2.67 ±0.23
홍두깨살	0.70 ±0.11	0.65 ±0.09	0.63 ±0.07	0.59 ±0.05	0.63 ±0.07	0.61 ±0.06	0.60 ±0.08	0.62 ±0.09	0.63 ±0.08
보섭살	1.65 ±0.15	1.65 ±0.12	1.60 ±0.13	1.54 ±0.08	1.61 ±0.15	1.57 ±0.10	1.56 ±0.19	1.62 ±0.15	1.60 ±0.13
설깃살	1.96 ±0.17	1.92 ±0.19	1.93 ±0.16	1.88 ±0.07	1.94 ±0.16	1.84 ±0.11	1.91 ±0.21	1.91 ±0.14	1.91 ±0.15
설깃머리살	0.61 ±0.07	0.63 ±0.08	0.66 ±0.09	0.65 ±0.08	0.66 ±0.07	0.63 ±0.06	0.65 ±0.10	0.62 ±0.08	0.64 ±0.08
도가니살	1.76 ±0.14	1.69 ±0.12	1.57 ±0.15	1.58 ±0.13	1.62 ±0.16	1.61 ±0.10	1.66 ±0.15	1.58 ±0.12	1.63 ±0.14

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
삼각살	0.40 ±0.04	0.40 ±0.03	0.38 ±0.04	0.38 ±0.02	0.41 ±0.03	0.39 ±0.03	0.36 ±0.04	0.40 ±0.04	0.39 ±0.04
양지머리	2.62 ±0.16	2.62 ±0.19	2.48 ±0.32	2.52 ±0.33	2.38 ±0.21	2.33 ±0.21	2.33 ±0.27	2.97 ±0.35	2.49 ±0.30
차돌박이	1.13 ±0.13	1.05 ±0.11	1.04 ±0.14	1.05 ±0.13	0.95 ±0.10	0.92 ±0.13	0.89 ±0.16	1.10 ±0.34	1.00 ±0.16
업진살	1.49 ±0.12	1.36 ±0.24	1.49 ±0.16	1.57 ±0.22	1.38 ±0.19	1.47 ±0.16	1.43 ±0.23	1.32 ±0.15	1.44 ±0.19
업진안살	0.25 ±0.05	0.24 ±0.04	0.26 ±0.04	0.25 ±0.03	0.22 ±0.04	0.23 ±0.05	0.21 ±0.03	0.24 ±0.03	0.24 ±0.04
치마양지	1.75 ±0.14	1.65 ±0.16	1.68 ±0.27	1.76 ±0.17	1.88 ±0.20	1.88 ±0.22	1.76 ±0.21	1.81 ±0.23	1.78 ±0.22
치마살	0.54 ±0.04	0.52 ±0.04	0.52 ±0.06	0.57 ±0.04	0.57 ±0.05	0.56 ±0.08	0.52 ±0.11	0.57 ±0.05	0.55 ±0.06
앞치마살	0.41 ±0.05	0.34 ±0.04	0.35 ±0.07	0.38 ±0.05	0.40 ±0.06	0.40 ±0.04	0.38 ±0.02	0.40 ±0.06	0.38 ±0.05
앞사태	1.17 ±0.09	1.09 ±0.05	1.04 ±0.11	1.06 ±0.09	1.06 ±0.09	1.06 ±0.06	1.06 ±0.11	1.03 ±0.10	1.06 ±0.09
뒷사태	1.38 ±0.13	1.27 ±0.10	1.21 ±0.09	1.23 ±0.09	1.22 ±0.12	1.21 ±0.07	1.20 ±0.10	1.19 ±0.08	1.23 ±0.11
뭉치사태	0.66 ±0.07	0.61 ±0.05	0.59 ±0.05	0.61 ±0.04	0.61 ±0.07	0.60 ±0.04	0.59 ±0.06	0.58 ±0.04	0.61 ±0.05
아롱사태	0.11 ±0.01	0.10 ±0.01	0.10 ±0.02	0.11 ±0.01	0.10 ±0.01	0.10 ±0.01	0.11 ±0.02	0.09 ±0.01	0.10 ±0.01
상박살	0.19 ±0.02	0.19 ±0.01	0.18 ±0.02	0.18 ±0.02	0.18 ±0.02	0.19 ±0.01	0.19 ±0.02	0.18 ±0.02	0.18 ±0.02
본갈비	0.99 ±0.09	1.06 ±0.09	0.96 ±0.15	1.00 ±0.09	0.93 ±0.12	0.94 ±0.10	0.94 ±0.08	1.03 ±0.12	0.97 ±0.11
꽃갈비	1.43 ±0.08	1.44 ±0.06	1.45 ±0.15	1.47 ±0.13	1.42 ±0.09	1.46 ±0.11	1.48 ±0.18	1.53 ±0.06	1.46 ±0.12
참갈비	1.29 ±0.13	1.27 ±0.17	1.35 ±0.24	1.30 ±0.18	1.39 ±0.17	1.43 ±0.17	1.47 ±0.17	1.46 ±0.28	1.38 ±0.20
갈비살	2.57 ±0.17	2.60 ±0.14	2.67 ±0.31	2.65 ±0.20	2.69 ±0.25	2.77 ±0.24	2.75 ±0.23	2.89 ±0.33	2.70 ±0.25
마구리	1.37 ±0.09	1.32 ±0.18	1.16 ±0.19	1.19 ±0.13	1.08 ±0.19	1.12 ±0.20	1.13 ±0.19	1.29 ±0.28	1.18 ±0.20
토시살	0.15 ±0.02	0.14 ±0.01	0.14 ±0.02	0.15 ±0.02	0.14 ±0.01	0.14 ±0.02	0.14 ±0.01	0.15 ±0.01	0.14 ±0.01
안창살	0.24 ±0.03	0.23 ±0.02	0.23 ±0.03	0.24 ±0.02	0.25 ±0.02	0.24 ±0.02	0.23 ±0.02	0.24 ±0.02	0.24 ±0.02
제비추리	0.12 ±0.01	0.13 ±0.01	0.13 ±0.02	0.11 ±0.03	0.11 ±0.02	0.11 ±0.02	0.12 ±0.01	0.10 ±0.01	0.12 ±0.02

*평균±표준편차

표 127 육질 2등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중 (kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중 (kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
거래정육중 (소분할, kg)	177.99 ±16.39	191.92 ±13.98	201.17 ±9.01	210.04 ±16.68	217.93 ±11.40	229.27 ±11.20	222.22 ±12.89	225.71 ±18.98	243.98 ±17.98
안심살	1.15 ±0.09	1.06 ±0.05	1.04 ±0.07	1.06 ±0.07	1.05 ±0.07	1.01 ±0.05	1.07 ±0.08	1.04 ±0.08	1.06 ±0.08
윗등심살	2.04 ±0.11	2.07 ±0.14	2.25 ±0.42	2.31 ±0.30	2.17 ±0.20	2.09 ±0.18	2.23 ±0.30	2.24 ±0.23	2.17 ±0.27
꽃등심살	1.44 ±0.10	1.48 ±0.12	1.47 ±0.15	1.56 ±0.14	1.41 ±0.14	1.39 ±0.13	1.42 ±0.14	1.58 ±0.13	1.47 ±0.14
아래등심살	1.11 ±0.14	1.10 ±0.08	1.10 ±0.10	1.09 ±0.11	1.03 ±0.13	1.05 ±0.10	1.02 ±0.21	1.00 ±0.11	1.07 ±0.12
살치살	0.61 ±0.09	0.60 ±0.04	0.61 ±0.11	0.59 ±0.10	0.57 ±0.10	0.57 ±0.07	0.59 ±0.09	0.59 ±0.09	0.59 ±0.09
채끝살	1.43 ±0.08	1.44 ±0.11	1.38 ±0.08	1.42 ±0.13	1.31 ±0.08	1.37 ±0.09	1.30 ±0.07	1.34 ±0.12	1.38 ±0.10
목심살	2.49 ±0.37	2.55 ±0.30	2.72 ±0.54	3.10 ±0.61	2.83 ±0.41	2.61 ±0.58	3.08 ±1.01	3.46 ±1.06	2.81 ±0.63
꾸리살	0.48 ±0.05	0.46 ±0.06	0.45 ±0.05	0.45 ±0.02	0.46 ±0.03	0.45 ±0.04	0.49 ±0.05	0.48 ±0.07	0.46 ±0.05
부채살	0.72 ±0.06	0.69 ±0.07	0.68 ±0.09	0.65 ±0.06	0.68 ±0.05	0.64 ±0.03	0.73 ±0.12	0.66 ±0.11	0.68 ±0.08
앞다리살	1.83 ±0.17	1.75 ±0.20	1.79 ±0.24	1.89 ±0.18	1.83 ±0.16	1.76 ±0.16	1.95 ±0.22	1.99 ±0.20	1.83 ±0.20
갈비덧살	0.33 ±0.07	0.30 ±0.06	0.30 ±0.07	0.32 ±0.08	0.30 ±0.06	0.31 ±0.06	0.38 ±0.08	0.32 ±0.05	0.31 ±0.07
부채덮개살	0.36 ±0.04	0.34 ±0.04	0.36 ±0.07	0.35 ±0.02	0.35 ±0.02	0.33 ±0.04	0.39 ±0.08	0.39 ±0.05	0.35 ±0.05
우둔살	3.00 ±0.18	2.81 ±0.19	2.79 ±0.20	2.82 ±0.14	2.69 ±0.22	2.71 ±0.25	2.69 ±0.40	2.72 ±0.23	2.78 ±0.23
홍두깨살	0.67 ±0.11	0.66 ±0.07	0.67 ±0.07	0.70 ±0.09	0.63 ±0.06	0.71 ±0.10	0.70 ±0.15	0.70 ±0.08	0.67 ±0.09
보섭살	1.78 ±0.10	1.64 ±0.13	1.66 ±0.18	1.66 ±0.08	1.57 ±0.12	1.56 ±0.12	1.63 ±0.20	1.68 ±0.19	1.65 ±0.15
설깃살	2.00 ±0.17	1.93 ±0.14	1.96 ±0.12	2.02 ±0.12	1.93 ±0.16	1.93 ±0.19	1.97 ±0.27	2.01 ±0.12	1.97 ±0.15
설깃머리살	0.64 ±0.09	0.63 ±0.05	0.64 ±0.05	0.69 ±0.06	0.66 ±0.05	0.64 ±0.08	0.66 ±0.10	0.69 ±0.06	0.65 ±0.07
도가니살	1.79 ±0.12	1.69 ±0.23	1.65 ±0.11	1.68 ±0.05	1.63 ±0.13	1.59 ±0.14	1.63 ±0.19	1.63 ±0.10	1.66 ±0.14

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
삼각살	0.44 ±0.04	0.40 ±0.04	0.41 ±0.04	0.41 ±0.03	0.38 ±0.04	0.39 ±0.03	0.40 ±0.05	0.42 ±0.05	0.40 ±0.04
양지머리	2.54 ±0.34	2.53 ±0.33	2.43 ±0.26	2.63 ±0.30	2.61 ±0.35	2.54 ±0.50	2.74 ±0.32	3.07 ±0.31	2.60 ±0.36
차돌박이	1.12 ±0.18	1.18 ±0.22	1.05 ±0.18	1.06 ±0.22	1.05 ±0.17	0.99 ±0.12	0.88 ±0.09	0.97 ±0.19	1.05 ±0.19
업진살	1.35 ±0.14	1.44 ±0.09	1.36 ±0.19	1.48 ±0.19	1.41 ±0.20	1.48 ±0.28	1.50 ±0.07	1.41 ±0.17	1.42 ±0.18
업진안살	0.26 ±0.02	0.28 ±0.02	0.25 ±0.04	0.27 ±0.05	0.26 ±0.05	0.26 ±0.05	0.28 ±0.05	0.26 ±0.05	0.26 ±0.04
치마양지	1.60 ±0.14	1.63 ±0.09	1.68 ±0.14	1.87 ±0.14	1.81 ±0.23	1.75 ±0.12	1.66 ±0.23	1.79 ±0.14	1.72 ±0.17
치마살	0.51 ±0.05	0.51 ±0.02	0.50 ±0.04	0.54 ±0.05	0.57 ±0.05	0.55 ±0.04	0.55 ±0.03	0.55 ±0.08	0.53 ±0.05
앞치마살	0.34 ±0.04	0.36 ±0.04	0.37 ±0.04	0.40 ±0.05	0.36 ±0.04	0.39 ±0.03	0.36 ±0.05	0.35 ±0.06	0.37 ±0.04
앞사태	1.12 ±0.12	1.02 ±0.08	1.09 ±0.08	1.10 ±0.06	1.10 ±0.11	1.08 ±0.08	1.16 ±0.12	1.12 ±0.10	1.09 ±0.10
뒷사태	1.36 ±0.10	1.27 ±0.10	1.30 ±0.12	1.28 ±0.09	1.24 ±0.10	1.23 ±0.09	1.24 ±0.15	1.26 ±0.05	1.27 ±0.11
뭉치사태	0.68 ±0.06	0.63 ±0.06	0.64 ±0.06	0.65 ±0.05	0.61 ±0.05	0.59 ±0.06	0.60 ±0.09	0.63 ±0.03	0.63 ±0.06
아롱사태	0.11 ±0.01	0.10 ±0.02	0.10 ±0.02	0.10 ±0.01	0.10 ±0.01	0.10 ±0.02	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01
상박살	0.19 ±0.02	0.18 ±0.02	0.19 ±0.02	0.20 ±0.01	0.19 ±0.01	0.18 ±0.01	0.20 ±0.03	0.20 ±0.02	0.19 ±0.02
본갈비	0.98 ±0.08	0.93 ±0.12	0.95 ±0.15	0.98 ±0.12	0.97 ±0.06	0.97 ±0.15	1.10 ±0.13	1.10 ±0.17	0.98 ±0.13
꽃갈비	1.46 ±0.03	1.47 ±0.14	1.40 ±0.16	1.42 ±0.12	1.47 ±0.13	1.45 ±0.16	1.51 ±0.06	1.54 ±0.16	1.45 ±0.13
참갈비	1.34 ±0.17	1.30 ±0.11	1.34 ±0.19	1.30 ±0.13	1.41 ±0.22	1.33 ±0.11	1.39 ±0.21	1.36 ±0.33	1.34 ±0.18
갈비살	2.57 ±0.19	2.59 ±0.30	2.58 ±0.26	2.63 ±0.28	2.71 ±0.23	2.61 ±0.32	2.81 ±0.19	2.81 ±0.41	2.65 ±0.27
마구리	1.25 ±0.18	1.38 ±0.20	1.25 ±0.23	1.20 ±0.22	1.16 ±0.17	1.15 ±0.28	1.34 ±0.33	1.31 ±0.32	1.25 ±0.23
토시살	0.14 ±0.02	0.14 ±0.01	0.14 ±0.01	0.14 ±0.01	0.14 ±0.01	0.14 ±0.01	0.15 ±0.01	0.14 ±0.02	0.14 ±0.01
안창살	0.26 ±0.04	0.23 ±0.02	0.24 ±0.03	0.24 ±0.02	0.24 ±0.02	0.23 ±0.02	0.24 ±0.03	0.24 ±0.02	0.24 ±0.03
제비추리	0.12 ±0.01	0.12 ±0.02	0.13 ±0.03	0.13 ±0.02	0.11 ±0.02	0.12 ±0.01	0.14 ±0.02	0.13 ±0.02	0.12 ±0.02

*평균±표준편차

표 128 육질 3등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중 (kg)	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
거래정육중 (소분할, kg)	177.99 ±16.39	191.92 ±13.98	202.15 ±8.47	213.30 ±16.22	222.21 ±13.44	219.85 ±10.19	233.47 ±13.75	240.66 ±9.63	235.59 ±11.10	254.43 ±20.47
안심살	1.17 ±0.07	1.07 ±0.07	1.10 ±0.06	1.09 ±0.07	1.11 ±0.06	1.09 ±0.09	1.02 ±0.07	1.05 ±0.10	1.09 ±0.06	1.09 ±0.08
윗등심살	2.32 ±0.45	2.24 ±0.31	2.37 ±0.32	2.35 ±0.47	2.23 ±0.31	2.68 ±0.53	2.57 ±0.24	2.67 ±0.18	2.79 ±0.17	2.43 ±0.40
꽃등심살	1.57 ±0.11	1.52 ±0.23	1.53 ±0.18	1.51 ±0.18	1.47 ±0.20	1.62 ±0.16	1.57 ±0.11	1.59 ±0.12	1.66 ±0.21	1.55 ±0.18
아래등심살	1.06 ±0.07	1.05 ±0.16	1.10 ±0.10	1.08 ±0.11	1.10 ±0.08	1.06 ±0.14	1.08 ±0.10	1.09 ±0.03	1.15 ±0.06	1.08 ±0.10
살치살	0.58 ±0.07	0.55 ±0.10	0.63 ±0.07	0.63 ±0.13	0.60 ±0.09	0.68 ±0.13	0.58 ±0.12	0.62 ±0.05	0.71 ±0.05	0.62 ±0.11
채끝살	1.38 ±0.10	1.35 ±0.06	1.41 ±0.11	1.42 ±0.09	1.45 ±0.15	1.38 ±0.11	1.34 ±0.14	1.35 ±0.13	1.31 ±0.04	1.39 ±0.11
목심살	3.45 ±1.18	3.02 ±0.59	3.27 ±0.79	3.37 ±0.89	3.22 ±0.77	4.11 ±1.20	4.43 ±0.33	4.72 ±0.71	4.74 ±0.85	3.65 ±1.01
꾸리살	0.50 ±0.07	0.50 ±0.05	0.50 ±0.05	0.47 ±0.05	0.47 ±0.04	0.50 ±0.06	0.49 ±0.04	0.54 ±0.04	0.52 ±0.04	0.49 ±0.05
부채살	0.74 ±0.05	0.67 ±0.07	0.71 ±0.04	0.70 ±0.07	0.65 ±0.07	0.74 ±0.08	0.68 ±0.08	0.76 ±0.05	0.72 ±0.08	0.70 ±0.07
앞다리살	2.09 ±0.34	1.93 ±0.20	1.99 ±0.24	1.98 ±0.29	1.94 ±0.17	2.18 ±0.26	2.11 ±0.16	2.25 ±0.23	2.32 ±0.24	2.05 ±0.27
갈비덧살	0.40 ±0.08	0.36 ±0.05	0.38 ±0.07	0.35 ±0.07	0.33 ±0.09	0.34 ±0.09	0.38 ±0.10	0.39 ±0.06	0.37 ±0.06	0.36 ±0.07
부채덮개살	0.43 ±0.06	0.40 ±0.04	0.42 ±0.06	0.39 ±0.07	0.38 ±0.05	0.46 ±0.09	0.46 ±0.07	0.49 ±0.06	0.50 ±0.07	0.42 ±0.07
우둔살	3.07 ±0.33	2.96 ±0.29	2.97 ±0.19	2.88 ±0.22	2.93 ±0.25	2.94 ±0.27	2.92 ±0.25	2.91 ±0.13	2.91 ±0.23	2.94 ±0.24
홍두깨살	0.78 ±0.15	0.72 ±0.09	0.72 ±0.08	0.73 ±0.10	0.77 ±0.08	0.76 ±0.12	0.72 ±0.10	0.78 ±0.11	0.76 ±0.09	0.74 ±0.10
보섭살	1.76 ±0.23	1.68 ±0.13	1.78 ±0.11	1.68 ±0.10	1.70 ±0.15	1.76 ±0.17	1.73 ±0.14	1.86 ±0.15	1.79 ±0.13	1.74 ±0.15
설깃살	2.09 ±0.27	1.97 ±0.17	2.04 ±0.16	2.04 ±0.17	2.10 ±0.13	2.08 ±0.20	2.12 ±0.19	2.20 ±0.16	2.19 ±0.16	2.07 ±0.18
설깃머리살	0.66 ±0.09	0.65 ±0.08	0.67 ±0.07	0.67 ±0.08	0.69 ±0.06	0.70 ±0.07	0.68 ±0.08	0.74 ±0.07	0.71 ±0.08	0.68 ±0.08
도가니살	1.82 ±0.19	1.67 ±0.16	1.73 ±0.14	1.66 ±0.13	1.68 ±0.09	1.67 ±0.12	1.72 ±0.14	1.68 ±0.15	1.67 ±0.12	1.70 ±0.14

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
삼각살	0.42 ±0.08	0.41 ±0.04	0.43 ±0.03	0.41 ±0.04	0.43 ±0.04	0.44 ±0.06	0.42 ±0.03	0.45 ±0.07	0.45 ±0.04	0.43 ±0.05
양지머리	2.78 ±0.43	2.70 ±0.23	2.58 ±0.29	2.74 ±0.40	2.69 ±0.37	3.12 ±0.36	2.93 ±0.24	3.31 ±0.62	3.30 ±0.38	2.84 ±0.42
차돌박이	1.04 ±0.20	1.00 ±0.19	1.01 ±0.13	1.04 ±0.13	1.01 ±0.15	1.07 ±0.15	1.01 ±0.10	1.01 ±0.17	1.01 ±0.10	1.03 ±0.14
업진살	1.43 ±0.18	1.35 ±0.13	1.38 ±0.10	1.45 ±0.14	1.43 ±0.20	1.44 ±0.16	1.44 ±0.15	1.32 ±0.07	1.49 ±0.13	1.42 ±0.14
업진안살	0.27 ±0.05	0.26 ±0.03	0.27 ±0.03	0.28 ±0.03	0.28 ±0.05	0.27 ±0.03	0.29 ±0.04	0.26 ±0.03	0.29 ±0.05	0.28 ±0.04
치마양지	1.71 ±0.12	1.64 ±0.14	1.74 ±0.12	1.71 ±0.14	1.86 ±0.17	1.78 ±0.15	1.65 ±0.24	1.78 ±0.09	1.90 ±0.14	1.74 ±0.16
치마살	0.53 ±0.06	0.51 ±0.03	0.56 ±0.04	0.54 ±0.03	0.56 ±0.05	0.56 ±0.06	0.54 ±0.10	0.56 ±0.04	0.60 ±0.04	0.55 ±0.05
앞치마살	0.38 ±0.03	0.34 ±0.04	0.37 ±0.03	0.35 ±0.04	0.39 ±0.06	0.39 ±0.03	0.36 ±0.04	0.40 ±0.03	0.42 ±0.03	0.37 ±0.04
앞사태	1.29 ±0.14	1.17 ±0.11	1.15 ±0.08	1.14 ±0.12	1.12 ±0.07	1.19 ±0.10	1.16 ±0.10	1.20 ±0.12	1.18 ±0.10	1.17 ±0.11
뒷사태	1.49 ±0.13	1.36 ±0.14	1.39 ±0.10	1.32 ±0.14	1.36 ±0.12	1.34 ±0.10	1.34 ±0.10	1.38 ±0.11	1.34 ±0.13	1.36 ±0.12
뭉치사태	0.73 ±0.08	0.67 ±0.07	0.69 ±0.05	0.65 ±0.06	0.69 ±0.06	0.66 ±0.06	0.66 ±0.06	0.68 ±0.06	0.65 ±0.06	0.68 ±0.07
아롱사태	0.12 ±0.02	0.10 ±0.01	0.12 ±0.02	0.10 ±0.02	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.10 ±0.01	0.11 ±0.01
상박살	0.22 ±0.02	0.20 ±0.03	0.20 ±0.02	0.19 ±0.02	0.19 ±0.01	0.22 ±0.02	0.21 ±0.02	0.22 ±0.02	0.21 ±0.02	0.20 ±0.02
본갈비	1.11 ±0.14	1.00 ±0.17	1.03 ±0.11	0.98 ±0.15	1.01 ±0.09	1.12 ±0.22	1.18 ±0.17	1.13 ±0.08	1.19 ±0.08	1.06 ±0.16
꽃갈비	1.51 ±0.11	1.44 ±0.14	1.46 ±0.10	1.43 ±0.16	1.43 ±0.14	1.60 ±0.15	1.49 ±0.14	1.51 ±0.12	1.65 ±0.16	1.49 ±0.15
참갈비	1.35 ±0.10	1.18 ±0.07	1.27 ±0.18	1.37 ±0.11	1.32 ±0.11	1.39 ±0.19	1.33 ±0.12	1.36 ±0.10	1.50 ±0.17	1.33 ±0.15
갈비살	2.61 ±0.18	2.39 ±0.22	2.52 ±0.29	2.60 ±0.26	2.61 ±0.28	2.86 ±0.39	2.82 ±0.17	2.76 ±0.20	3.02 ±0.33	2.65 ±0.31
마구리	1.51 ±0.22	1.53 ±0.31	1.55 ±0.29	1.35 ±0.22	1.18 ±0.19	1.41 ±0.18	1.35 ±0.13	1.44 ±0.16	1.40 ±0.14	1.41 ±0.24
토시살	0.15 ±0.02	0.15 ±0.02	0.16 ±0.01	0.14 ±0.02	0.15 ±0.01	0.14 ±0.02	0.15 ±0.03	0.15 ±0.01	0.16 ±0.01	0.15 ±0.02
안창살	0.26 ±0.03	0.21 ±0.01	0.24 ±0.03	0.23 ±0.03	0.24 ±0.02	0.22 ±0.03	0.25 ±0.06	0.24 ±0.01	0.22 ±0.04	0.23 ±0.03
제비추리	0.15 ±0.02	0.14 ±0.02	0.15 ±0.02	0.14 ±0.03	0.13 ±0.02	0.16 ±0.03	0.14 ±0.02	0.17 ±0.02	0.17 ±0.02	0.15 ±0.03

*평균±표준편차

6) 도체등급에 따른 냉도체중 대비 소분할 부분육 생산율

표 129 육질 1++등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중 (kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중 (kg)	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
거래정육중 (소분할, kg)	230.10 ±16.52	260.33 ±9.58	286.39 ±17.76	291.09 ±18.79	295.73 ±18.96	267.22 ±28.33
안심살	1.72 ±0.11	1.66 ±0.08	1.71 ±0.12	1.66 ±0.09	1.55 ±0.04	1.67 ±0.10
윗등심살	3.93 ±0.22	3.81 ±0.40	3.63 ±0.44	3.39 ±0.31	3.19 ±0.19	3.66 ±0.40
꽃등심살	2.40 ±0.20	2.56 ±0.21	2.28 ±0.37	2.50 ±0.19	2.29 ±0.18	2.43 ±0.24
아래등심살	1.75 ±0.14	1.74 ±0.17	1.85 ±0.18	1.61 ±0.10	1.56 ±0.19	1.72 ±0.17
살치살	1.03 ±0.11	1.01 ±0.13	1.05 ±0.15	0.87 ±0.14	0.82 ±0.12	0.98 ±0.14
채끝살	2.42 ±0.21	2.37 ±0.14	2.35 ±0.28	2.47 ±0.17	2.42 ±0.17	2.40 ±0.18
목심살	4.62 ±0.60	4.53 ±0.38	4.80 ±0.70	4.60 ±0.31	4.34 ±0.04	4.58 ±0.46
꾸리살	0.71 ±0.04	0.70 ±0.05	0.74 ±0.06	0.65 ±0.07	0.70 ±0.08	0.70 ±0.06
부채살	1.13 ±0.06	1.11 ±0.12	1.23 ±0.13	1.02 ±0.13	1.07 ±0.14	1.12 ±0.12
앞다리살	2.87 ±0.15	2.85 ±0.18	3.25 ±0.22	2.72 ±0.19	3.02 ±0.40	2.93 ±0.26
갈비덧살	0.48 ±0.05	0.45 ±0.07	0.61 ±0.07	0.45 ±0.04	0.49 ±0.06	0.49 ±0.08
부채덮개살	0.49 ±0.04	0.48 ±0.04	0.59 ±0.08	0.46 ±0.02	0.50 ±0.10	0.50 ±0.07
우둔살	4.12 ±0.22	4.00 ±0.42	4.22 ±0.28	3.96 ±0.33	3.82 ±0.05	4.04 ±0.31
홍두깨살	0.98 ±0.03	0.96 ±0.08	1.00 ±0.04	1.00 ±0.04	0.96 ±0.11	0.98 ±0.06
보섭살	2.38 ±0.13	2.47 ±0.21	2.55 ±0.19	2.45 ±0.07	2.43 ±0.06	2.46 ±0.16
설깃살	3.07 ±0.10	2.96 ±0.28	3.15 ±0.19	3.07 ±0.30	2.74 ±0.09	3.01 ±0.24
설깃머리살	1.06 ±0.08	1.05 ±0.16	1.09 ±0.07	1.14 ±0.19	1.09 ±0.14	1.08 ±0.13

구분	출하체중구간 (kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
도가니살	2.53 ±0.17	2.51 ±0.18	2.61 ±0.16	2.39 ±0.17	2.49 ±0.34	2.51 ±0.19
삼각살	0.60 ±0.03	0.62 ±0.06	0.64 ±0.07	0.68 ±0.07	0.64 ±0.06	0.63 ±0.06
양지머리	4.03 ±0.42	3.97 ±0.37	4.20 ±0.47	3.83 ±0.36	4.48 ±0.79	4.08 ±0.46
차돌박이	1.64 ±0.28	1.54 ±0.21	1.46 ±0.03	1.45 ±0.04	1.77 ±0.35	1.57 ±0.22
업진살	2.36 ±0.18	2.61 ±0.31	2.56 ±0.33	2.41 ±0.26	2.11 ±0.21	2.45 ±0.30
업진안살	0.43 ±0.09	0.43 ±0.08	0.42 ±0.03	0.32 ±0.10	0.36 ±0.10	0.40 ±0.08
치마양지	2.99 ±0.11	3.10 ±0.27	2.87 ±0.40	3.28 ±0.10	2.82 ±0.18	3.02 ±0.27
치마살	0.91 ±0.06	0.97 ±0.06	0.95 ±0.05	0.97 ±0.03	0.86 ±0.03	0.94 ±0.06
앞치마살	0.68 ±0.07	0.70 ±0.06	0.62 ±0.09	0.79 ±0.07	0.69 ±0.09	0.69 ±0.08
앞사태	1.63 ±0.08	1.64 ±0.15	1.77 ±0.13	1.57 ±0.01	1.69 ±0.18	1.66 ±0.13
뒷사태	1.86 ±0.16	1.86 ±0.14	2.00 ±0.18	1.82 ±0.06	1.86 ±0.12	1.88 ±0.14
뭉치사태	0.91 ±0.09	0.92 ±0.06	0.96 ±0.09	0.88 ±0.06	0.85 ±0.01	0.91 ±0.07
아롱사태	0.15 ±0.02	0.16 ±0.01	0.17 ±0.01	0.15 ±0.01	0.15 ±0.01	0.16 ±0.02
상박살	0.28 ±0.04	0.28 ±0.04	0.31 ±0.02	0.27 ±0.03	0.30 ±0.03	0.29 ±0.03
본갈비	1.60 ±0.15	1.58 ±0.17	1.60 ±0.08	1.56 ±0.10	1.62 ±0.08	1.59 ±0.12
꽃갈비	2.48 ±0.10	2.47 ±0.15	2.41 ±0.19	2.51 ±0.21	2.62 ±0.11	2.49 ±0.15
참갈비	2.41 ±0.35	2.38 ±0.26	2.38 ±0.18	1.94 ±0.29	2.17 ±0.12	2.30 ±0.29
갈비살	4.69 ±0.15	4.70 ±0.29	4.68 ±0.26	4.35 ±0.33	4.56 ±0.33	4.63 ±0.27
마구리	1.87 ±0.46	1.97 ±0.21	1.66 ±0.43	1.77 ±0.34	2.20 ±0.77	1.90 ±0.42
토시살	0.24 ±0.04	0.23 ±0.03	0.26 ±0.03	0.24 ±0.01	0.22 ±0.03	0.24 ±0.03
안창살	0.41 ±0.03	0.37 ±0.05	0.41 ±0.06	0.39 ±0.02	0.34 ±0.04	0.39 ±0.05
제비추리	0.18 ±0.02	0.19 ±0.02	0.22 ±0.02	0.16 ±0.00	0.19 ±0.04	0.19 ±0.02

*평균±표준편차

표 130 육질 1⁺등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중 (kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중 (kg)	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
거래정육중 (소분할, kg)	172.14 ±24.08	208.25 ±11.47	226.53 ±13.59	242.74 ±6.10	255.78 ±13.17	277.77 ±9.48	300.03 ±6.78	244.93 ±36.18
안심살	1.66 ±0.23	1.78 ±0.13	1.76 ±0.07	1.76 ±0.17	1.66 ±0.11	1.74 ±0.15	1.68 ±0.14	1.72 ±0.14
윗등심살	3.60 ±0.50	3.65 ±0.44	3.87 ±0.30	3.66 ±0.43	3.75 ±0.40	3.77 ±0.40	3.66 ±0.38	3.72 ±0.39
꽃등심살	2.61 ±0.43	2.37 ±0.16	2.53 ±0.19	2.52 ±0.22	2.34 ±0.16	2.44 ±0.27	2.40 ±0.26	2.43 ±0.23
아래등심살	1.81 ±0.35	1.82 ±0.15	1.92 ±0.19	1.80 ±0.18	1.70 ±0.19	1.78 ±0.23	1.62 ±0.11	1.77 ±0.20
살치살	0.98 ±0.28	1.06 ±0.15	1.15 ±0.12	0.96 ±0.11	1.01 ±0.14	1.02 ±0.15	0.97 ±0.13	1.03 ±0.15
채끝살	2.45 ±0.31	2.42 ±0.09	2.36 ±0.09	2.52 ±0.24	2.18 ±0.12	2.19 ±0.15	2.25 ±0.16	2.31 ±0.19
목심살	4.11 ±0.34	4.33 ±0.57	4.48 ±0.36	4.88 ±0.42	4.67 ±0.32	4.64 ±0.38	4.64 ±0.76	4.56 ±0.47
꾸리살	0.77 ±0.08	0.72 ±0.05	0.75 ±0.06	0.76 ±0.06	0.72 ±0.05	0.74 ±0.07	0.73 ±0.04	0.73 ±0.06
부채살	1.13 ±0.11	1.12 ±0.11	1.17 ±0.14	1.15 ±0.04	1.15 ±0.11	1.17 ±0.10	1.10 ±0.05	1.14 ±0.10
앞다리살	2.83 ±0.36	2.95 ±0.21	2.97 ±0.21	2.98 ±0.07	2.97 ±0.23	3.04 ±0.31	3.03 ±0.25	2.98 ±0.23
갈비덧살	0.47 ±0.11	0.58 ±0.08	0.53 ±0.12	0.49 ±0.06	0.52 ±0.07	0.56 ±0.13	0.49 ±0.08	0.53 ±0.09
부채덮개살	0.52 ±0.08	0.55 ±0.06	0.56 ±0.07	0.56 ±0.04	0.53 ±0.05	0.53 ±0.05	0.52 ±0.03	0.54 ±0.05
우둔살	4.27 ±0.59	4.44 ±0.22	4.37 ±0.24	4.17 ±0.18	4.12 ±0.24	4.20 ±0.32	4.14 ±0.28	4.24 ±0.29
홍두깨살	1.01 ±0.23	1.05 ±0.10	1.09 ±0.20	0.97 ±0.08	0.99 ±0.05	1.04 ±0.11	1.01 ±0.13	1.02 ±0.12
보섭살	2.54 ±0.37	2.70 ±0.10	2.62 ±0.19	2.57 ±0.18	2.46 ±0.16	2.58 ±0.23	2.49 ±0.18	2.56 ±0.20
설깃살	2.96 ±0.48	3.24 ±0.17	3.18 ±0.21	3.15 ±0.16	3.05 ±0.21	3.07 ±0.28	3.10 ±0.22	3.11 ±0.24
설깃머리살	0.99 ±0.20	1.15 ±0.06	1.07 ±0.09	1.07 ±0.13	1.05 ±0.13	1.04 ±0.13	1.10 ±0.10	1.07 ±0.12
도가니살	2.77 ±0.28	2.62 ±0.15	2.61 ±0.17	2.63 ±0.17	2.55 ±0.19	2.68 ±0.27	2.58 ±0.17	2.62 ±0.20

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
삼각살	0.59 ±0.08	0.67 ±0.05	0.67 ±0.08	0.66 ±0.07	0.61 ±0.06	0.63 ±0.04	0.64 ±0.08	0.64 ±0.06
양지머리	3.91 ±0.41	4.01 ±0.27	3.93 ±0.19	4.42 ±0.65	4.07 ±0.54	4.15 ±0.44	4.23 ±0.49	4.09 ±0.45
차돌박이	1.78 ±0.20	1.61 ±0.18	1.54 ±0.10	1.74 ±0.49	1.59 ±0.27	1.47 ±0.27	1.56 ±0.36	1.59 ±0.28
업진살	2.51 ±0.26	2.37 ±0.29	2.53 ±0.34	2.42 ±0.16	2.37 ±0.30	2.28 ±0.25	2.55 ±0.31	2.41 ±0.28
업진안살	0.41 ±0.10	0.41 ±0.06	0.40 ±0.06	0.40 ±0.05	0.36 ±0.07	0.39 ±0.05	0.38 ±0.07	0.39 ±0.07
치마양지	2.74 ±0.37	2.96 ±0.34	3.02 ±0.34	2.91 ±0.30	3.03 ±0.32	3.02 ±0.35	2.87 ±0.36	2.97 ±0.33
치마살	0.85 ±0.08	0.93 ±0.09	0.89 ±0.06	0.90 ±0.05	0.92 ±0.08	0.92 ±0.07	0.86 ±0.22	0.90 ±0.10
앞치마살	0.63 ±0.14	0.61 ±0.11	0.68 ±0.10	0.62 ±0.08	0.63 ±0.09	0.68 ±0.10	0.63 ±0.09	0.64 ±0.10
앞사태	1.66 ±0.27	1.71 ±0.14	1.75 ±0.10	1.70 ±0.11	1.69 ±0.11	1.68 ±0.19	1.68 ±0.11	1.70 ±0.14
뒷사태	2.03 ±0.42	2.01 ±0.15	1.95 ±0.10	1.98 ±0.06	1.89 ±0.13	1.94 ±0.16	1.87 ±0.16	1.94 ±0.16
뭉치사태	0.99 ±0.22	0.98 ±0.08	0.97 ±0.08	0.98 ±0.03	0.92 ±0.06	0.95 ±0.10	0.90 ±0.09	0.95 ±0.09
아롱사태	0.17 ±0.04	0.17 ±0.02	0.16 ±0.02	0.17 ±0.01	0.16 ±0.02	0.17 ±0.02	0.15 ±0.02	0.16 ±0.02
상박살	0.29 ±0.06	0.30 ±0.02	0.31 ±0.02	0.30 ±0.02	0.29 ±0.02	0.30 ±0.03	0.30 ±0.04	0.30 ±0.03
본갈비	1.60 ±0.13	1.57 ±0.22	1.76 ±0.21	1.72 ±0.15	1.61 ±0.15	1.70 ±0.17	1.72 ±0.13	1.66 ±0.18
꽃갈비	2.42 ±0.12	2.35 ±0.18	2.43 ±0.22	2.45 ±0.19	2.39 ±0.17	2.41 ±0.18	2.59 ±0.17	2.42 ±0.18
참갈비	2.09 ±0.19	2.28 ±0.28	2.32 ±0.34	2.16 ±0.16	2.20 ±0.18	2.37 ±0.35	2.37 ±0.55	2.26 ±0.30
갈비살	4.39 ±0.29	4.38 ±0.42	4.70 ±0.49	4.54 ±0.31	4.42 ±0.31	4.67 ±0.41	4.73 ±0.44	4.53 ±0.39
마구리	2.13 ±0.11	1.76 ±0.32	1.84 ±0.36	2.04 ±0.28	1.74 ±0.31	1.85 ±0.32	1.72 ±0.36	1.83 ±0.32
토시살	0.23 ±0.04	0.24 ±0.02	0.24 ±0.02	0.25 ±0.03	0.23 ±0.02	0.24 ±0.03	0.23 ±0.02	0.24 ±0.03
안창살	0.39 ±0.06	0.40 ±0.03	0.41 ±0.05	0.41 ±0.06	0.38 ±0.04	0.39 ±0.04	0.39 ±0.05	0.39 ±0.04
제비추리	0.19 ±0.04	0.20 ±0.03	0.20 ±0.02	0.21 ±0.03	0.18 ±0.02	0.18 ±0.02	0.18 ±0.03	0.19 ±0.03

*평균±표준편차

표 131 육질 1등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중 (kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중 (kg)	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
거래정육중 (소분할, kg)	173.70 ±6.52	190.67 ±14.85	204.15 ±15.11	218.58 ±16.66	235.30 ±15.08	248.56 ±12.52	261.52 ±13.92	294.65 ±10.39	228.19 ±35.50
안심살	1.81 ±0.08	1.74 ±0.11	1.70 ±0.19	1.67 ±0.14	1.72 ±0.10	1.67 ±0.11	1.67 ±0.19	1.69 ±0.16	1.71 ±0.14
윗등심살	3.52 ±0.42	3.62 ±0.25	3.58 ±0.33	3.42 ±0.18	3.61 ±0.42	3.61 ±0.49	3.63 ±0.49	3.86 ±0.52	3.60 ±0.40
꽃등심살	2.48 ±0.25	2.52 ±0.17	2.42 ±0.27	2.41 ±0.19	2.30 ±0.25	2.32 ±0.26	2.32 ±0.31	2.35 ±0.16	2.38 ±0.25
아래등심살	1.78 ±0.23	1.80 ±0.07	1.75 ±0.21	1.75 ±0.29	1.77 ±0.20	1.64 ±0.20	1.60 ±0.28	1.76 ±0.25	1.73 ±0.22
살치살	1.02 ±0.14	0.95 ±0.09	1.01 ±0.14	0.94 ±0.13	1.03 ±0.16	0.95 ±0.18	1.02 ±0.22	1.11 ±0.21	1.00 ±0.16
채끝살	2.33 ±0.22	2.36 ±0.11	2.40 ±0.22	2.23 ±0.19	2.26 ±0.14	2.12 ±0.23	2.10 ±0.18	2.25 ±0.19	2.25 ±0.21
목심살	4.26 ±0.61	4.41 ±0.49	4.33 ±0.41	4.52 ±0.44	4.33 ±0.54	4.44 ±0.47	4.40 ±0.60	4.10 ±0.41	4.36 ±0.49
꾸리살	0.79 ±0.08	0.79 ±0.07	0.71 ±0.06	0.74 ±0.07	0.73 ±0.06	0.70 ±0.06	0.70 ±0.13	0.78 ±0.06	0.73 ±0.08
부채살	1.19 ±0.18	1.10 ±0.05	1.07 ±0.11	1.15 ±0.13	1.11 ±0.11	1.10 ±0.09	1.10 ±0.18	1.19 ±0.14	1.12 ±0.13
앞다리살	3.07 ±0.31	3.07 ±0.30	2.88 ±0.27	2.95 ±0.24	2.99 ±0.26	2.94 ±0.24	2.96 ±0.30	3.11 ±0.19	2.98 ±0.26
갈비덧살	0.55 ±0.09	0.59 ±0.08	0.51 ±0.14	0.51 ±0.10	0.57 ±0.08	0.51 ±0.09	0.45 ±0.08	0.56 ±0.17	0.53 ±0.11
부채덮개살	0.58 ±0.12	0.60 ±0.06	0.53 ±0.08	0.55 ±0.05	0.53 ±0.08	0.51 ±0.06	0.50 ±0.05	0.57 ±0.03	0.54 ±0.07
우둔살	4.69 ±0.43	4.57 ±0.39	4.39 ±0.39	4.05 ±0.35	4.30 ±0.38	4.23 ±0.28	4.22 ±0.55	4.41 ±0.56	4.34 ±0.42
홍두깨살	1.13 ±0.17	1.08 ±0.13	1.03 ±0.12	0.95 ±0.07	1.03 ±0.11	0.99 ±0.10	0.97 ±0.14	1.03 ±0.16	1.02 ±0.13
보섭살	2.69 ±0.27	2.74 ±0.17	2.61 ±0.21	2.49 ±0.12	2.63 ±0.26	2.52 ±0.16	2.52 ±0.38	2.66 ±0.29	2.60 ±0.24
설깃살	3.20 ±0.31	3.20 ±0.29	3.15 ±0.26	3.04 ±0.13	3.16 ±0.28	2.96 ±0.19	3.08 ±0.42	3.13 ±0.30	3.11 ±0.28
설깃머리살	1.00 ±0.13	1.04 ±0.12	1.08 ±0.15	1.05 ±0.12	1.08 ±0.11	1.02 ±0.09	1.05 ±0.19	1.02 ±0.15	1.05 ±0.13
도가니살	2.87 ±0.27	2.81 ±0.20	2.56 ±0.26	2.56 ±0.28	2.65 ±0.28	2.58 ±0.17	2.67 ±0.31	2.59 ±0.24	2.65 ±0.26

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
삼각살	0.65 ±0.07	0.66 ±0.05	0.62 ±0.06	0.62 ±0.02	0.66 ±0.06	0.62 ±0.05	0.58 ±0.08	0.66 ±0.08	0.64 ±0.06
양지머리	4.28 ±0.36	4.36 ±0.28	4.05 ±0.53	4.07 ±0.48	3.87 ±0.32	3.74 ±0.33	3.73 ±0.39	4.87 ±0.48	4.05 ±0.50
차돌박이	1.84 ±0.23	1.74 ±0.17	1.69 ±0.20	1.69 ±0.22	1.55 ±0.15	1.48 ±0.19	1.42 ±0.20	1.80 ±0.54	1.63 ±0.26
업진살	2.43 ±0.16	2.26 ±0.37	2.42 ±0.25	2.52 ±0.31	2.24 ±0.27	2.36 ±0.27	2.30 ±0.32	2.16 ±0.28	2.34 ±0.29
업진안살	0.41 ±0.09	0.40 ±0.06	0.42 ±0.07	0.40 ±0.05	0.36 ±0.06	0.37 ±0.08	0.34 ±0.04	0.39 ±0.05	0.38 ±0.07
치마양지	2.85 ±0.28	2.75 ±0.24	2.75 ±0.43	2.84 ±0.20	3.06 ±0.34	3.02 ±0.39	2.83 ±0.41	2.96 ±0.35	2.90 ±0.35
치마살	0.89 ±0.06	0.86 ±0.07	0.84 ±0.09	0.92 ±0.07	0.93 ±0.08	0.90 ±0.13	0.84 ±0.19	0.93 ±0.08	0.89 ±0.11
앞치마살	0.67 ±0.09	0.56 ±0.06	0.57 ±0.10	0.62 ±0.06	0.65 ±0.09	0.64 ±0.07	0.61 ±0.05	0.65 ±0.09	0.62 ±0.09
앞사태	1.91 ±0.15	1.81 ±0.06	1.69 ±0.14	1.71 ±0.15	1.72 ±0.16	1.69 ±0.10	1.70 ±0.18	1.69 ±0.19	1.73 ±0.15
뒷사태	2.26 ±0.21	2.11 ±0.18	1.98 ±0.12	1.99 ±0.18	1.99 ±0.20	1.95 ±0.13	1.94 ±0.20	1.95 ±0.16	2.01 ±0.19
뭉치사태	1.08 ±0.10	1.02 ±0.09	0.97 ±0.07	0.99 ±0.09	0.99 ±0.11	0.97 ±0.08	0.96 ±0.12	0.95 ±0.08	0.99 ±0.10
아롱사태	0.18 ±0.02	0.16 ±0.01	0.16 ±0.02	0.17 ±0.02	0.16 ±0.02	0.16 ±0.01	0.17 ±0.03	0.15 ±0.02	0.16 ±0.02
상박살	0.31 ±0.03	0.31 ±0.02	0.29 ±0.04	0.29 ±0.03	0.29 ±0.04	0.30 ±0.01	0.30 ±0.03	0.30 ±0.03	0.30 ±0.03
본갈비	1.62 ±0.15	1.77 ±0.17	1.57 ±0.23	1.61 ±0.17	1.51 ±0.16	1.51 ±0.16	1.51 ±0.15	1.69 ±0.21	1.58 ±0.19
꽃갈비	2.33 ±0.13	2.40 ±0.13	2.36 ±0.23	2.38 ±0.20	2.31 ±0.15	2.34 ±0.19	2.38 ±0.30	2.51 ±0.10	2.37 ±0.19
참갈비	2.11 ±0.25	2.12 ±0.31	2.20 ±0.39	2.10 ±0.30	2.27 ±0.27	2.30 ±0.31	2.37 ±0.30	2.39 ±0.48	2.24 ±0.32
갈비살	4.19 ±0.32	4.33 ±0.31	4.35 ±0.46	4.29 ±0.35	4.38 ±0.35	4.46 ±0.44	4.43 ±0.43	4.74 ±0.57	4.39 ±0.41
마구리	2.24 ±0.18	2.20 ±0.32	1.90 ±0.31	1.93 ±0.20	1.76 ±0.32	1.80 ±0.33	1.81 ±0.28	2.11 ±0.43	1.93 ±0.34
토시살	0.24 ±0.03	0.23 ±0.01	0.23 ±0.02	0.24 ±0.02	0.23 ±0.02	0.22 ±0.03	0.22 ±0.03	0.24 ±0.02	0.23 ±0.02
안창살	0.39 ±0.06	0.38 ±0.03	0.38 ±0.04	0.39 ±0.04	0.40 ±0.04	0.38 ±0.04	0.37 ±0.04	0.39 ±0.04	0.39 ±0.04
제비추리	0.20 ±0.02	0.21 ±0.02	0.20 ±0.03	0.18 ±0.04	0.18 ±0.03	0.18 ±0.03	0.19 ±0.01	0.17 ±0.02	0.19 ±0.03

*평균±표준편차

표 132 육질 2등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	74
절식체중 (kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중 (kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
거래정육중 (소분할, kg)	163.86 ±15.14	185.41 ±9.48	200.64 ±12.87	225.47 ±13.06	236.33 ±14.59	251.66 ±19.68	275.84 ±23.46	316.21 ±33.87	223.27 ±45.06
안심살	1.95 ±0.17	1.75 ±0.10	1.75 ±0.09	1.74 ±0.08	1.74 ±0.15	1.64 ±0.10	1.74 ±0.14	1.68 ±0.15	1.75 ±0.14
윗등심살	3.45 ±0.25	3.42 ±0.24	3.79 ±0.74	3.78 ±0.50	3.60 ±0.36	3.37 ±0.34	3.64 ±0.58	3.62 ±0.41	3.60 ±0.48
꽃등심살	2.43 ±0.14	2.45 ±0.19	2.47 ±0.26	2.56 ±0.20	2.34 ±0.27	2.24 ±0.23	2.32 ±0.25	2.55 ±0.25	2.42 ±0.24
아래등심살	1.89 ±0.27	1.82 ±0.12	1.85 ±0.17	1.79 ±0.15	1.71 ±0.25	1.69 ±0.19	1.67 ±0.35	1.61 ±0.17	1.77 ±0.22
살치살	1.03 ±0.17	0.99 ±0.07	1.03 ±0.20	0.97 ±0.16	0.95 ±0.17	0.92 ±0.12	0.95 ±0.14	0.95 ±0.15	0.98 ±0.15
채끝살	2.42 ±0.10	2.38 ±0.19	2.32 ±0.12	2.33 ±0.16	2.18 ±0.17	2.20 ±0.16	2.11 ±0.14	2.16 ±0.21	2.28 ±0.18
목심살	4.21 ±0.49	4.23 ±0.55	4.56 ±0.86	5.09 ±1.08	4.70 ±0.72	4.22 ±0.98	5.05 ±1.82	5.56 ±1.68	4.64 ±1.03
꾸리살	0.82 ±0.08	0.77 ±0.11	0.76 ±0.10	0.74 ±0.05	0.77 ±0.06	0.73 ±0.08	0.80 ±0.09	0.78 ±0.11	0.77 ±0.09
부채살	1.23 ±0.11	1.14 ±0.13	1.14 ±0.14	1.07 ±0.10	1.14 ±0.10	1.03 ±0.06	1.19 ±0.19	1.06 ±0.18	1.13 ±0.13
앞다리살	3.10 ±0.24	2.89 ±0.38	3.00 ±0.41	3.10 ±0.34	3.04 ±0.29	2.84 ±0.28	3.18 ±0.42	3.21 ±0.36	3.03 ±0.35
갈비덧살	0.56 ±0.11	0.49 ±0.09	0.50 ±0.11	0.53 ±0.11	0.50 ±0.10	0.50 ±0.10	0.62 ±0.13	0.51 ±0.08	0.52 ±0.10
부채덮개살	0.61 ±0.07	0.57 ±0.07	0.60 ±0.12	0.58 ±0.05	0.58 ±0.05	0.52 ±0.07	0.64 ±0.15	0.63 ±0.09	0.59 ±0.09
우둔살	5.08 ±0.31	4.65 ±0.40	4.70 ±0.38	4.63 ±0.21	4.48 ±0.46	4.36 ±0.44	4.38 ±0.73	4.39 ±0.43	4.61 ±0.45
홍두깨살	1.14 ±0.19	1.10 ±0.14	1.12 ±0.10	1.14 ±0.13	1.06 ±0.12	1.14 ±0.17	1.14 ±0.28	1.13 ±0.14	1.12 ±0.15
보섭살	3.02 ±0.20	2.71 ±0.25	2.80 ±0.31	2.73 ±0.12	2.61 ±0.25	2.51 ±0.23	2.66 ±0.38	2.70 ±0.32	2.73 ±0.29
설깃살	3.39 ±0.28	3.21 ±0.31	3.30 ±0.23	3.32 ±0.15	3.21 ±0.33	3.12 ±0.34	3.21 ±0.50	3.25 ±0.26	3.25 ±0.29
설깃머리살	1.09 ±0.15	1.04 ±0.11	1.08 ±0.07	1.13 ±0.10	1.10 ±0.11	1.03 ±0.15	1.08 ±0.18	1.11 ±0.12	1.08 ±0.12
도가니살	3.03 ±0.21	2.80 ±0.43	2.78 ±0.22	2.76 ±0.13	2.71 ±0.28	2.57 ±0.27	2.65 ±0.34	2.62 ±0.21	2.75 ±0.29

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	74
삼각살	0.74 ±0.07	0.66 ±0.07	0.69 ±0.08	0.68 ±0.05	0.63 ±0.07	0.62 ±0.05	0.66 ±0.10	0.67 ±0.08	0.67 ±0.08
양지머리	4.29 ±0.53	4.18 ±0.56	4.08 ±0.37	4.31 ±0.48	4.35 ±0.64	4.10 ±0.83	4.47 ±0.59	4.95 ±0.53	4.29 ±0.58
차돌박이	1.89 ±0.27	1.96 ±0.37	1.75 ±0.28	1.74 ±0.35	1.74 ±0.29	1.60 ±0.20	1.42 ±0.13	1.56 ±0.33	1.74 ±0.32
업진살	2.28 ±0.19	2.38 ±0.12	2.28 ±0.28	2.43 ±0.28	2.35 ±0.31	2.39 ±0.44	2.44 ±0.15	2.27 ±0.25	2.34 ±0.26
업진안살	0.44 ±0.03	0.46 ±0.04	0.42 ±0.07	0.44 ±0.07	0.43 ±0.09	0.42 ±0.09	0.45 ±0.09	0.43 ±0.08	0.43 ±0.07
치마양지	2.70 ±0.24	2.70 ±0.12	2.82 ±0.22	3.07 ±0.23	3.01 ±0.42	2.82 ±0.25	2.69 ±0.37	2.88 ±0.23	2.85 ±0.29
치마살	0.87 ±0.10	0.84 ±0.05	0.84 ±0.05	0.89 ±0.08	0.95 ±0.10	0.88 ±0.06	0.90 ±0.06	0.88 ±0.13	0.88 ±0.08
앞치마살	0.58 ±0.06	0.59 ±0.05	0.63 ±0.06	0.65 ±0.08	0.60 ±0.07	0.62 ±0.05	0.58 ±0.08	0.57 ±0.09	0.61 ±0.07
앞사태	1.90 ±0.22	1.69 ±0.15	1.83 ±0.13	1.80 ±0.12	1.82 ±0.20	1.74 ±0.14	1.88 ±0.22	1.81 ±0.20	1.81 ±0.17
뒷사태	2.30 ±0.17	2.10 ±0.21	2.17 ±0.16	2.10 ±0.11	2.07 ±0.19	1.98 ±0.16	2.03 ±0.29	2.03 ±0.12	2.11 ±0.19
뭉치사태	1.15 ±0.09	1.05 ±0.12	1.07 ±0.08	1.06 ±0.07	1.01 ±0.10	0.96 ±0.11	0.98 ±0.16	1.01 ±0.06	1.04 ±0.11
아롱사태	0.19 ±0.03	0.16 ±0.03	0.18 ±0.03	0.17 ±0.02	0.17 ±0.02	0.16 ±0.03	0.16 ±0.02	0.17 ±0.01	0.17 ±0.02
상박살	0.33 ±0.05	0.30 ±0.04	0.32 ±0.03	0.32 ±0.02	0.31 ±0.02	0.30 ±0.02	0.33 ±0.05	0.32 ±0.04	0.31 ±0.04
본갈비	1.66 ±0.17	1.54 ±0.22	1.60 ±0.28	1.61 ±0.22	1.61 ±0.10	1.56 ±0.26	1.79 ±0.25	1.77 ±0.30	1.62 ±0.23
꽃갈비	2.48 ±0.18	2.44 ±0.26	2.34 ±0.25	2.32 ±0.20	2.43 ±0.22	2.34 ±0.27	2.45 ±0.10	2.48 ±0.30	2.40 ±0.23
참갈비	2.28 ±0.35	2.14 ±0.19	2.24 ±0.26	2.13 ±0.21	2.34 ±0.39	2.14 ±0.20	2.26 ±0.37	2.19 ±0.54	2.22 ±0.31
갈비살	4.37 ±0.44	4.29 ±0.51	4.33 ±0.38	4.32 ±0.47	4.51 ±0.42	4.21 ±0.55	4.58 ±0.41	4.53 ±0.71	4.38 ±0.47
마구리	2.12 ±0.30	2.29 ±0.34	2.09 ±0.38	1.97 ±0.35	1.93 ±0.29	1.85 ±0.43	2.18 ±0.53	2.12 ±0.55	2.07 ±0.39
토시살	0.24 ±0.03	0.23 ±0.02	0.24 ±0.03	0.23 ±0.02	0.24 ±0.03	0.23 ±0.03	0.25 ±0.02	0.23 ±0.03	0.24 ±0.02
안창살	0.44 ±0.07	0.39 ±0.04	0.40 ±0.05	0.40 ±0.04	0.41 ±0.04	0.37 ±0.05	0.39 ±0.05	0.38 ±0.04	0.40 ±0.05
제비추리	0.20 ±0.02	0.20 ±0.03	0.22 ±0.04	0.21 ±0.04	0.19 ±0.03	0.19 ±0.01	0.22 ±0.04	0.20 ±0.03	0.20 ±0.03

*평균±표준편차

표 133 육질 3등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중 (kg)	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
거래정육중 (소분할, kg)	166.30 ±20.87	175.20 ±11.67	196.73 ±15.90	216.60 ±21.24	229.95 ±17.60	263.72 ±27.78	294.69 ±15.60	305.55 ±20.46	336.99 ±21.67	230.90 ±53.71
안심살	1.99 ±0.15	1.85 ±0.10	1.83 ±0.12	1.81 ±0.11	1.83 ±0.09	1.77 ±0.11	1.70 ±0.07	1.69 ±0.15	1.75 ±0.07	1.81 ±0.13
윗등심살	3.91 ±0.67	3.87 ±0.50	3.95 ±0.50	3.90 ±0.77	3.69 ±0.50	4.35 ±0.80	4.31 ±0.38	4.31 ±0.29	4.48 ±0.22	4.03 ±0.62
꽃등심살	2.66 ±0.17	2.63 ±0.37	2.55 ±0.29	2.51 ±0.26	2.42 ±0.26	2.64 ±0.25	2.63 ±0.13	2.57 ±0.19	2.67 ±0.29	2.57 ±0.26
아래등심살	1.79 ±0.12	1.81 ±0.24	1.83 ±0.16	1.80 ±0.18	1.82 ±0.09	1.72 ±0.19	1.80 ±0.12	1.77 ±0.07	1.84 ±0.09	1.80 ±0.16
살치살	0.99 ±0.11	0.95 ±0.16	1.05 ±0.13	1.04 ±0.21	1.00 ±0.16	1.11 ±0.20	0.96 ±0.17	1.00 ±0.05	1.14 ±0.08	1.03 ±0.16
채끝살	2.35 ±0.20	2.35 ±0.14	2.36 ±0.16	2.35 ±0.17	2.39 ±0.18	2.24 ±0.16	2.24 ±0.18	2.18 ±0.19	2.11 ±0.07	2.31 ±0.18
목심살	5.81 ±1.87	5.23 ±0.99	5.45 ±1.30	5.59 ±1.44	5.29 ±1.11	6.64 ±1.84	7.44 ±0.74	7.63 ±1.01	7.60 ±1.34	6.04 ±1.57
꾸리살	0.84 ±0.11	0.87 ±0.09	0.83 ±0.09	0.79 ±0.08	0.77 ±0.05	0.80 ±0.10	0.81 ±0.07	0.88 ±0.06	0.83 ±0.06	0.82 ±0.08
부채살	1.26 ±0.11	1.16 ±0.11	1.19 ±0.08	1.16 ±0.12	1.08 ±0.12	1.20 ±0.12	1.14 ±0.07	1.23 ±0.06	1.15 ±0.11	1.17 ±0.11
앞다리살	3.54 ±0.52	3.34 ±0.31	3.31 ±0.38	3.29 ±0.47	3.21 ±0.25	3.55 ±0.38	3.53 ±0.24	3.64 ±0.30	3.72 ±0.31	3.41 ±0.39
갈비덧살	0.68 ±0.11	0.62 ±0.09	0.63 ±0.12	0.57 ±0.11	0.55 ±0.13	0.55 ±0.14	0.64 ±0.15	0.64 ±0.10	0.59 ±0.10	0.60 ±0.12
부채덮개살	0.72 ±0.08	0.70 ±0.06	0.70 ±0.09	0.65 ±0.12	0.62 ±0.08	0.74 ±0.13	0.76 ±0.10	0.79 ±0.10	0.79 ±0.11	0.70 ±0.11
우둔살	5.20 ±0.50	5.13 ±0.48	4.96 ±0.39	4.79 ±0.41	4.84 ±0.34	4.78 ±0.37	4.88 ±0.33	4.71 ±0.34	4.68 ±0.37	4.89 ±0.41
홍두깨살	1.32 ±0.23	1.25 ±0.13	1.20 ±0.14	1.22 ±0.17	1.26 ±0.10	1.23 ±0.18	1.21 ±0.12	1.27 ±0.21	1.21 ±0.13	1.24 ±0.16
보섭살	2.97 ±0.34	2.91 ±0.22	2.97 ±0.23	2.80 ±0.19	2.81 ±0.21	2.86 ±0.22	2.90 ±0.19	3.01 ±0.25	2.88 ±0.21	2.89 ±0.23
설깃살	3.53 ±0.43	3.42 ±0.30	3.40 ±0.29	3.39 ±0.29	3.48 ±0.18	3.38 ±0.26	3.54 ±0.17	3.56 ±0.29	3.52 ±0.25	3.45 ±0.28
설깃머리살	1.12 ±0.16	1.12 ±0.14	1.12 ±0.12	1.12 ±0.14	1.14 ±0.09	1.14 ±0.09	1.13 ±0.08	1.20 ±0.15	1.14 ±0.11	1.13 ±0.12
도가니살	3.08 ±0.28	2.89 ±0.24	2.89 ±0.29	2.76 ±0.24	2.78 ±0.11	2.72 ±0.18	2.87 ±0.13	2.72 ±0.23	2.69 ±0.23	2.82 ±0.24

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	13	18	10	10	7	5	6	87
삼각살	0.71 ±0.11	0.71 ±0.08	0.72 ±0.06	0.68 ±0.07	0.71 ±0.06	0.71 ±0.09	0.71 ±0.07	0.72 ±0.11	0.73 ±0.05	0.71 ±0.08
양지머리	4.69 ±0.66	4.68 ±0.34	4.30 ±0.45	4.55 ±0.65	4.43 ±0.47	5.08 ±0.54	4.91 ±0.43	5.34 ±0.92	5.28 ±0.52	4.71 ±0.62
차돌박이	1.77 ±0.36	1.74 ±0.31	1.69 ±0.21	1.73 ±0.23	1.67 ±0.23	1.75 ±0.22	1.69 ±0.13	1.64 ±0.25	1.63 ±0.15	1.71 ±0.24
업진살	2.42 ±0.29	2.34 ±0.21	2.31 ±0.16	2.41 ±0.17	2.36 ±0.28	2.34 ±0.24	2.40 ±0.17	2.14 ±0.13	2.40 ±0.22	2.36 ±0.21
업진안살	0.46 ±0.08	0.45 ±0.06	0.45 ±0.05	0.47 ±0.05	0.46 ±0.08	0.44 ±0.05	0.48 ±0.04	0.42 ±0.05	0.47 ±0.07	0.46 ±0.06
치마양지	2.90 ±0.22	2.86 ±0.29	2.90 ±0.19	2.84 ±0.22	3.09 ±0.33	2.89 ±0.20	2.76 ±0.39	2.88 ±0.17	3.05 ±0.19	2.90 ±0.26
치마살	0.89 ±0.10	0.89 ±0.07	0.94 ±0.06	0.90 ±0.06	0.93 ±0.08	0.92 ±0.09	0.91 ±0.14	0.91 ±0.08	0.96 ±0.06	0.91 ±0.08
앞치마살	0.64 ±0.05	0.59 ±0.06	0.62 ±0.06	0.59 ±0.06	0.65 ±0.12	0.64 ±0.05	0.60 ±0.08	0.65 ±0.05	0.67 ±0.03	0.62 ±0.07
앞사태	2.18 ±0.25	2.03 ±0.17	1.93 ±0.15	1.89 ±0.19	1.85 ±0.11	1.93 ±0.13	1.94 ±0.12	1.94 ±0.17	1.89 ±0.15	1.95 ±0.18
뒷사태	2.51 ±0.20	2.36 ±0.23	2.32 ±0.20	2.20 ±0.22	2.24 ±0.14	2.17 ±0.15	2.24 ±0.08	2.24 ±0.19	2.15 ±0.23	2.27 ±0.21
뭉치사태	1.24 ±0.12	1.16 ±0.12	1.15 ±0.10	1.09 ±0.10	1.14 ±0.08	1.07 ±0.10	1.10 ±0.06	1.10 ±0.11	1.04 ±0.11	1.12 ±0.11
아롱사태	0.20 ±0.03	0.18 ±0.02	0.19 ±0.03	0.17 ±0.03	0.18 ±0.02	0.18 ±0.02	0.18 ±0.02	0.18 ±0.02	0.16 ±0.02	0.18 ±0.02
상박살	0.37 ±0.04	0.34 ±0.05	0.34 ±0.03	0.32 ±0.03	0.32 ±0.03	0.35 ±0.04	0.35 ±0.02	0.36 ±0.03	0.33 ±0.02	0.34 ±0.04
본갈비	1.88 ±0.23	1.74 ±0.28	1.72 ±0.19	1.62 ±0.24	1.67 ±0.16	1.82 ±0.34	1.98 ±0.24	1.82 ±0.08	1.90 ±0.10	1.76 ±0.25
꽃갈비	2.56 ±0.17	2.50 ±0.22	2.44 ±0.14	2.37 ±0.25	2.37 ±0.22	2.60 ±0.26	2.49 ±0.08	2.45 ±0.17	2.64 ±0.20	2.47 ±0.22
참갈비	2.28 ±0.16	2.04 ±0.14	2.11 ±0.26	2.28 ±0.19	2.17 ±0.18	2.27 ±0.28	2.24 ±0.20	2.19 ±0.09	2.40 ±0.25	2.21 ±0.22
갈비살	4.42 ±0.27	4.14 ±0.35	4.20 ±0.40	4.32 ±0.43	4.32 ±0.46	4.66 ±0.61	4.73 ±0.21	4.46 ±0.20	4.84 ±0.42	4.40 ±0.45
마구리	2.55 ±0.36	2.65 ±0.53	2.59 ±0.51	2.24 ±0.36	1.95 ±0.27	2.31 ±0.35	2.26 ±0.31	2.34 ±0.34	2.25 ±0.25	2.35 ±0.43
토시살	0.26 ±0.04	0.26 ±0.03	0.26 ±0.02	0.24 ±0.03	0.24 ±0.02	0.24 ±0.03	0.26 ±0.03	0.24 ±0.02	0.25 ±0.02	0.25 ±0.03
안창살	0.43 ±0.06	0.37 ±0.02	0.40 ±0.04	0.39 ±0.05	0.39 ±0.04	0.36 ±0.05	0.41 ±0.08	0.38 ±0.02	0.36 ±0.05	0.39 ±0.05
제비추리	0.25 ±0.04	0.24 ±0.04	0.25 ±0.03	0.23 ±0.05	0.22 ±0.03	0.26 ±0.05	0.23 ±0.03	0.28 ±0.03	0.27 ±0.04	0.24 ±0.04

*평균±표준편차

표 134 육량 A등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중 (kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중 (kg)	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20± 18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
거래정육중 (소분할, kg)	171.93 ±15.62	176.52 ±11.53	198.75 ±13.72	220.43 ±21.09	233.97 ±18.29	262.22 ±26.17	288.09 ±18.14	305.63 ±14.35	330.03 ±21.99	238.72 ±53.19
안심살	1.16 ±0.08	1.11 ±0.09	1.09 ±0.07	1.09 ±0.07	1.09 ±0.08	1.12 ±0.07	1.04 ±0.07	1.10 ±0.05	1.10 ±0.06	1.10 ±0.07
윗등심살	2.22 ±0.31	2.25 ±0.15	2.38 ±0.27	2.51 ±0.51	2.42 ±0.28	2.67 ±0.46	2.53 ±0.25	2.66 ±0.17	2.69 ±0.25	2.48 ±0.35
꽃등심살	1.61 ±0.18	1.60 ±0.11	1.59 ±0.14	1.57 ±0.16	1.54 ±0.20	1.60 ±0.18	1.54 ±0.11	1.61 ±0.07	1.66 ±0.18	1.59 ±0.15
아래등심살	1.16 ±0.12	1.12 ±0.09	1.12 ±0.07	1.13 ±0.10	1.11 ±0.16	1.11 ±0.11	1.07 ±0.11	1.11 ±0.07	1.12 ±0.07	1.12 ±0.10
살치살	0.62 ±0.05	0.61 ±0.07	0.64 ±0.07	0.65 ±0.12	0.63 ±0.09	0.70 ±0.11	0.60 ±0.11	0.64 ±0.07	0.66 ±0.09	0.64 ±0.09
채끝살	1.52 ±0.18	1.40 ±0.10	1.43 ±0.08	1.40 ±0.10	1.42 ±0.16	1.38 ±0.12	1.36 ±0.14	1.41 ±0.15	1.34 ±0.09	1.40 ±0.12
목심살	2.90 ±1.05	2.88 ±0.42	3.15 ±0.73	3.52 ±0.84	3.55 ±0.74	3.99 ±1.12	4.01 ±0.78	4.19 ±1.07	4.56 ±0.83	3.60 ±0.96
꾸리살	0.49 ±0.04	0.50 ±0.05	0.51 ±0.04	0.49 ±0.05	0.47 ±0.03	0.49 ±0.04	0.48 ±0.04	0.52 ±0.04	0.51 ±0.04	0.50 ±0.04
부채살	0.75 ±0.07	0.72 ±0.06	0.70 ±0.06	0.70 ±0.08	0.70 ±0.07	0.72 ±0.08	0.69 ±0.07	0.78 ±0.06	0.71 ±0.07	0.71 ±0.07
앞다리살	1.97 ±0.23	1.98 ±0.16	2.01 ±0.22	2.06 ±0.25	2.02 ±0.17	2.14 ±0.26	2.07 ±0.15	2.20 ±0.20	2.26 ±0.22	2.07 ±0.22
갈비덧살	0.38 ±0.05	0.36 ±0.06	0.38 ±0.06	0.36 ±0.07	0.36 ±0.08	0.37 ±0.07	0.36 ±0.09	0.38 ±0.05	0.36 ±0.05	0.37 ±0.07
부채덮개살	0.39 ±0.06	0.38 ±0.04	0.41 ±0.06	0.41 ±0.09	0.38 ±0.05	0.43 ±0.10	0.42 ±0.09	0.46 ±0.08	0.47 ±0.08	0.41 ±0.08
우둔살	3.11 ±0.15	3.03 ±0.31	2.93 ±0.23	2.92 ±0.20	2.79 ±0.23	2.90 ±0.29	2.91 ±0.23	2.95 ±0.12	2.90 ±0.18	2.93 ±0.23
홍두깨살	0.79 ±0.06	0.72 ±0.12	0.70 ±0.10	0.74 ±0.09	0.71 ±0.09	0.74 ±0.13	0.72 ±0.10	0.77 ±0.12	0.75 ±0.08	0.73 ±0.10
보섭살	1.80 ±0.10	1.74 ±0.15	1.73 ±0.14	1.73 ±0.16	1.69 ±0.16	1.78 ±0.17	1.72 ±0.13	1.85 ±0.11	1.80 ±0.11	1.75 ±0.14
설깃살	2.14 ±0.11	2.03 ±0.18	2.02 ±0.16	2.07 ±0.16	2.05 ±0.15	2.08 ±0.20	2.12 ±0.17	2.21 ±0.12	2.16 ±0.14	2.09 ±0.16
설깃머리살	0.69 ±0.07	0.67 ±0.09	0.66 ±0.06	0.68 ±0.08	0.67 ±0.06	0.70 ±0.08	0.69 ±0.08	0.76 ±0.06	0.72 ±0.08	0.69 ±0.08
도가니살	1.81 ±0.09	1.82 ±0.15	1.77 ±0.14	1.72 ±0.11	1.67 ±0.10	1.68 ±0.14	1.71 ±0.11	1.73 ±0.08	1.69 ±0.11	1.73 ±0.13

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
삼각살	0.42 ±0.02	0.41 ±0.05	0.41 ±0.04	0.42 ±0.04	0.44 ±0.03	0.44 ±0.05	0.42 ±0.03	0.45 ±0.05	0.45 ±0.04	0.43 ±0.04
양지머리	2.70 ±0.15	2.72 ±0.22	2.65 ±0.31	2.78 ±0.36	2.72 ±0.36	2.98 ±0.46	2.92 ±0.34	3.08 ±0.60	3.17 ±0.42	2.84 ±0.39
차돌박이	1.17 ±0.12	1.18 ±0.12	1.07 ±0.15	1.03 ±0.11	1.03 ±0.13	1.04 ±0.14	1.00 ±0.11	0.94 ±0.17	0.98 ±0.13	1.05 ±0.14
업진살	1.54 ±0.12	1.36 ±0.13	1.37 ±0.16	1.41 ±0.16	1.48 ±0.21	1.39 ±0.20	1.37 ±0.19	1.42 ±0.09	1.45 ±0.13	1.41 ±0.16
업진안살	0.28 ±0.03	0.26 ±0.03	0.26 ±0.03	0.27 ±0.03	0.27 ±0.06	0.27 ±0.05	0.27 ±0.05	0.27 ±0.04	0.29 ±0.05	0.27 ±0.04
치마양지	1.75 ±0.12	1.67 ±0.17	1.70 ±0.13	1.73 ±0.11	1.96 ±0.14	1.85 ±0.18	1.77 ±0.29	1.82 ±0.16	1.87 ±0.13	1.78 ±0.18
치마살	0.55 ±0.05	0.53 ±0.03	0.55 ±0.04	0.54 ±0.05	0.58 ±0.06	0.58 ±0.06	0.56 ±0.09	0.58 ±0.03	0.60 ±0.04	0.56 ±0.05
앞치마살	0.39 ±0.06	0.37 ±0.06	0.36 ±0.04	0.37 ±0.03	0.42 ±0.04	0.40 ±0.05	0.36 ±0.06	0.40 ±0.03	0.41 ±0.03	0.38 ±0.05
앞사태	1.20 ±0.06	1.17 ±0.10	1.13 ±0.08	1.17 ±0.11	1.13 ±0.07	1.17 ±0.09	1.16 ±0.08	1.19 ±0.09	1.16 ±0.09	1.16 ±0.09
뒷사태	1.47 ±0.11	1.44 ±0.13	1.36 ±0.11	1.37 ±0.14	1.29 ±0.13	1.32 ±0.10	1.32 ±0.10	1.39 ±0.07	1.32 ±0.11	1.36 ±0.12
뭉치사태	0.74 ±0.05	0.71 ±0.07	0.67 ±0.06	0.68 ±0.07	0.66 ±0.07	0.66 ±0.06	0.65 ±0.06	0.68 ±0.04	0.65 ±0.05	0.67 ±0.06
아롱사태	0.12 ±0.01	0.11 ±0.01	0.11 ±0.02	0.11 ±0.02	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.11 ±0.01	0.10 ±0.01	0.11 ±0.01
상박살	0.20 ±0.01	0.20 ±0.03	0.20 ±0.02	0.20 ±0.02	0.20 ±0.01	0.21 ±0.03	0.20 ±0.02	0.22 ±0.02	0.21 ±0.02	0.20 ±0.02
본갈비	1.05 ±0.10	0.98 ±0.13	1.06 ±0.11	1.07 ±0.16	1.08 ±0.07	1.10 ±0.19	1.14 ±0.16	1.13 ±0.10	1.17 ±0.10	1.08 ±0.14
꽃갈비	1.48 ±0.09	1.43 ±0.07	1.48 ±0.10	1.47 ±0.15	1.50 ±0.13	1.57 ±0.15	1.47 ±0.14	1.54 ±0.09	1.61 ±0.17	1.50 ±0.13
참갈비	1.33 ±0.14	1.23 ±0.09	1.30 ±0.15	1.33 ±0.14	1.36 ±0.12	1.46 ±0.18	1.39 ±0.15	1.43 ±0.12	1.48 ±0.18	1.36 ±0.16
갈비살	2.64 ±0.22	2.44 ±0.18	2.62 ±0.25	2.67 ±0.26	2.78 ±0.25	2.90 ±0.36	2.85 ±0.15	2.91 ±0.19	3.00 ±0.32	2.74 ±0.29
마구리	1.33 ±0.08	1.44 ±0.10	1.40 ±0.21	1.33 ±0.21	1.20 ±0.22	1.26 ±0.21	1.24 ±0.21	1.32 ±0.22	1.35 ±0.16	1.32 ±0.20
토시살	0.16 ±0.02	0.15 ±0.02	0.15 ±0.01	0.14 ±0.02	0.15 ±0.02	0.15 ±0.01	0.15 ±0.02	0.15 ±0.02	0.16 ±0.01	0.15 ±0.02
안창살	0.26 ±0.04	0.23 ±0.03	0.24 ±0.02	0.23 ±0.02	0.25 ±0.03	0.24 ±0.03	0.24 ±0.05	0.24 ±0.02	0.24 ±0.04	0.24 ±0.03
제비추리	0.13 ±0.02	0.14 ±0.01	0.14 ±0.02	0.14 ±0.04	0.13 ±0.03	0.15 ±0.04	0.13 ±0.02	0.16 ±0.03	0.16 ±0.03	0.14 ±0.03

*평균±표준편차

표 135 육량 B등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중 (kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중 (kg)	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
거래정육중 (소분할, kg)	154.12 ±16.33	170.36 ±5.68	185.55 ±10.90	206.94 ±10.87	223.30 ±12.56	244.46 ±11.64	255.68 ±11.76	278.79 ±10.69	306.88 ±23.67	228.17 ±44.63
안심살	1.13 ±0.07	1.10 ±0.08	1.08 ±0.04	1.08 ±0.07	1.08 ±0.05	1.07 ±0.07	1.04 ±0.08	1.07 ±0.09	1.03 ±0.07	1.07 ±0.07
윗등심살	2.22 ±0.44	1.99 ±0.17	2.06 ±0.13	2.27 ±0.23	2.21 ±0.28	2.33 ±0.20	2.31 ±0.20	2.32 ±0.15	2.16 ±0.21	2.23 ±0.24
꽃등심살	1.49 ±0.13	1.36 ±0.13	1.42 ±0.09	1.47 ±0.14	1.46 ±0.12	1.51 ±0.13	1.49 ±0.17	1.46 ±0.18	1.53 ±0.18	1.47 ±0.15
아래등심살	1.04 ±0.03	1.02 ±0.18	1.08 ±0.08	1.08 ±0.12	1.12 ±0.13	1.09 ±0.11	1.08 ±0.11	1.11 ±0.17	1.03 ±0.11	1.08 ±0.12
살치살	0.58 ±0.07	0.55 ±0.11	0.59 ±0.06	0.63 ±0.10	0.62 ±0.11	0.63 ±0.08	0.61 ±0.09	0.65 ±0.09	0.57 ±0.12	0.61 ±0.10
채끝살	1.35 ±0.09	1.40 ±0.04	1.44 ±0.13	1.43 ±0.11	1.43 ±0.06	1.44 ±0.15	1.38 ±0.10	1.36 ±0.12	1.45 ±0.18	1.41 ±0.12
목심살	3.15 ±1.07	2.51 ±0.31	2.61 ±0.30	2.76 ±0.53	2.81 ±0.19	2.94 ±0.46	2.85 ±0.25	3.10 ±0.51	2.84 ±0.38	2.83 ±0.48
꾸리살	0.50 ±0.07	0.46 ±0.03	0.46 ±0.04	0.45 ±0.03	0.47 ±0.03	0.48 ±0.04	0.46 ±0.04	0.50 ±0.05	0.46 ±0.05	0.47 ±0.04
부채살	0.75 ±0.05	0.65 ±0.07	0.69 ±0.04	0.70 ±0.07	0.71 ±0.09	0.73 ±0.06	0.72 ±0.08	0.76 ±0.09	0.68 ±0.08	0.71 ±0.07
앞다리살	2.00 ±0.37	1.73 ±0.08	1.75 ±0.13	1.83 ±0.19	1.84 ±0.12	1.92 ±0.16	1.86 ±0.14	1.99 ±0.16	1.91 ±0.16	1.87 ±0.18
갈비덧살	0.38 ±0.09	0.32 ±0.06	0.32 ±0.06	0.34 ±0.09	0.32 ±0.07	0.31 ±0.07	0.32 ±0.06	0.36 ±0.08	0.33 ±0.07	0.33 ±0.07
부채덮개살	0.41 ±0.07	0.36 ±0.05	0.36 ±0.02	0.34 ±0.05	0.36 ±0.03	0.37 ±0.04	0.33 ±0.03	0.35 ±0.04	0.34 ±0.04	0.35 ±0.04
우둔살	2.98 ±0.33	2.83 ±0.17	2.87 ±0.14	2.77 ±0.17	2.80 ±0.26	2.71 ±0.21	2.60 ±0.14	2.71 ±0.21	2.61 ±0.28	2.74 ±0.23
홍두깨살	0.74 ±0.17	0.65 ±0.07	0.68 ±0.06	0.66 ±0.09	0.65 ±0.11	0.63 ±0.06	0.64 ±0.06	0.65 ±0.06	0.65 ±0.08	0.66 ±0.08
보섭살	1.71 ±0.24	1.65 ±0.12	1.71 ±0.07	1.66 ±0.09	1.64 ±0.12	1.61 ±0.10	1.56 ±0.09	1.64 ±0.13	1.61 ±0.14	1.63 ±0.12
설깃살	1.97 ±0.27	1.92 ±0.14	1.97 ±0.14	2.00 ±0.10	2.01 ±0.14	1.97 ±0.15	1.86 ±0.11	1.93 ±0.18	1.88 ±0.14	1.94 ±0.15
설깃머리살	0.62 ±0.09	0.59 ±0.07	0.65 ±0.08	0.68 ±0.06	0.67 ±0.07	0.68 ±0.06	0.64 ±0.06	0.66 ±0.07	0.68 ±0.05	0.66 ±0.07
도가니살	1.80 ±0.19	1.65 ±0.08	1.70 ±0.15	1.64 ±0.09	1.67 ±0.07	1.66 ±0.10	1.62 ±0.09	1.74 ±0.17	1.61 ±0.10	1.67 ±0.12

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
삼각살	0.41 ±0.08	0.43 ±0.05	0.42 ±0.04	0.40 ±0.04	0.39 ±0.04	0.40 ±0.04	0.39 ±0.03	0.40 ±0.03	0.41 ±0.05	0.40 ±0.04
양지머리	2.61 ±0.55	2.54 ±0.18	2.47 ±0.21	2.52 ±0.28	2.41 ±0.24	2.73 ±0.35	2.58 ±0.33	2.55 ±0.23	2.89 ±0.32	2.59 ±0.33
차돌박이	0.93 ±0.15	1.03 ±0.20	1.09 ±0.21	1.03 ±0.16	0.96 ±0.14	1.07 ±0.20	1.01 ±0.16	0.85 ±0.10	1.02 ±0.21	1.01 ±0.18
업진살	1.36 ±0.23	1.39 ±0.13	1.45 ±0.09	1.41 ±0.11	1.45 ±0.15	1.43 ±0.18	1.53 ±0.21	1.40 ±0.19	1.42 ±0.21	1.44 ±0.17
업진안살	0.26 ±0.05	0.25 ±0.04	0.28 ±0.03	0.26 ±0.04	0.26 ±0.04	0.25 ±0.03	0.25 ±0.05	0.24 ±0.04	0.24 ±0.03	0.25 ±0.04
치마양지	1.65 ±0.17	1.68 ±0.14	1.65 ±0.13	1.73 ±0.23	1.76 ±0.17	1.81 ±0.22	1.87 ±0.14	1.84 ±0.15	1.87 ±0.16	1.77 ±0.19
치마살	0.51 ±0.06	0.52 ±0.04	0.52 ±0.02	0.54 ±0.04	0.54 ±0.04	0.57 ±0.05	0.58 ±0.06	0.56 ±0.04	0.58 ±0.03	0.55 ±0.05
앞치마살	0.37 ±0.04	0.35 ±0.04	0.35 ±0.04	0.36 ±0.07	0.39 ±0.06	0.37 ±0.05	0.40 ±0.04	0.42 ±0.03	0.42 ±0.07	0.38 ±0.06
앞사태	1.27 ±0.17	1.12 ±0.12	1.06 ±0.07	1.07 ±0.09	1.11 ±0.06	1.11 ±0.11	1.08 ±0.05	1.11 ±0.14	1.08 ±0.09	1.10 ±0.11
뒷사태	1.43 ±0.14	1.28 ±0.05	1.31 ±0.10	1.24 ±0.10	1.31 ±0.12	1.28 ±0.09	1.21 ±0.07	1.27 ±0.08	1.20 ±0.05	1.27 ±0.10
뭉치사태	0.69 ±0.08	0.62 ±0.03	0.65 ±0.06	0.61 ±0.05	0.66 ±0.07	0.62 ±0.06	0.59 ±0.04	0.63 ±0.05	0.57 ±0.04	0.62 ±0.06
아롱사태	0.12 ±0.02	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.11 ±0.01	0.11 ±0.01	0.10 ±0.01	0.11 ±0.01	0.10 ±0.01	0.10 ±0.01
상박살	0.22 ±0.02	0.18 ±0.01	0.18 ±0.02	0.18 ±0.02	0.19 ±0.01	0.19 ±0.02	0.19 ±0.01	0.20 ±0.02	0.19 ±0.02	0.19 ±0.02
본갈비	1.08 ±0.16	0.97 ±0.08	0.95 ±0.08	0.96 ±0.14	1.02 ±0.14	1.02 ±0.13	1.03 ±0.09	1.02 ±0.08	1.04 ±0.12	1.01 ±0.12
꽃갈비	1.51 ±0.10	1.41 ±0.11	1.47 ±0.09	1.45 ±0.15	1.43 ±0.15	1.51 ±0.14	1.54 ±0.12	1.45 ±0.09	1.60 ±0.11	1.49 ±0.13
참갈비	1.32 ±0.10	1.30 ±0.19	1.24 ±0.15	1.43 ±0.23	1.42 ±0.19	1.37 ±0.19	1.40 ±0.12	1.50 ±0.21	1.35 ±0.15	1.38 ±0.18
갈비살	2.56 ±0.19	2.52 ±0.28	2.52 ±0.24	2.68 ±0.30	2.70 ±0.40	2.76 ±0.25	2.84 ±0.19	2.80 ±0.20	2.87 ±0.11	2.71 ±0.27
마구리	1.52 ±0.23	1.27 ±0.28	1.52 ±0.32	1.17 ±0.26	1.18 ±0.19	1.22 ±0.21	1.18 ±0.18	1.19 ±0.18	1.33 ±0.26	1.26 ±0.26
토시살	0.14 ±0.01	0.15 ±0.02	0.14 ±0.01	0.14 ±0.01	0.14 ±0.01	0.15 ±0.02	0.15 ±0.02	0.15 ±0.02	0.15 ±0.01	0.15 ±0.01
안창살	0.23 ±0.01	0.25 ±0.04	0.23 ±0.03	0.24 ±0.02	0.24 ±0.03	0.25 ±0.03	0.24 ±0.02	0.25 ±0.02	0.24 ±0.02	0.24 ±0.03
제비추리	0.14 ±0.03	0.12 ±0.02	0.12 ±0.01	0.13 ±0.02	0.12 ±0.02	0.12 ±0.02	0.11 ±0.02	0.13 ±0.01	0.11 ±0.02	0.12 ±0.02

*평균±표준편차

표 136 육량 C등급 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중 (kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중 (kg)	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
거래정육중 (소분할, kg)	175.58 ±12.87	200.64 ±13.69	220.53 ±12.71	228.93 ±12.58	249.46 ±13.33	264.62 ±12.34	291.29 ±14.75	296.29 ±21.99	234.43 ±34.68
안심살	1.00 ±0.05	1.04 ±0.10	1.06 ±0.06	1.03 ±0.07	1.03 ±0.05	1.05 ±0.09	1.06 ±0.07	1.01 ±0.11	1.04 ±0.08
윗등심살	2.20 ±0.33	2.11 ±0.25	2.18 ±0.19	2.11 ±0.29	2.25 ±0.29	2.21 ±0.21	2.36 ±0.29	2.12 ±0.08	2.18 ±0.26
꽃등심살	1.51 ±0.19	1.45 ±0.14	1.52 ±0.14	1.38 ±0.14	1.47 ±0.14	1.43 ±0.16	1.50 ±0.08	1.43 ±0.10	1.46 ±0.14
아래등심살	1.04 ±0.15	1.08 ±0.10	1.11 ±0.08	1.01 ±0.12	1.03 ±0.11	1.03 ±0.17	1.07 ±0.08	0.95 ±0.15	1.05 ±0.12
살치살	0.55 ±0.10	0.60 ±0.10	0.61 ±0.11	0.57 ±0.08	0.60 ±0.09	0.61 ±0.10	0.66 ±0.10	0.61 ±0.07	0.60 ±0.10
채끝살	1.38 ±0.11	1.47 ±0.12	1.44 ±0.12	1.35 ±0.10	1.37 ±0.14	1.32 ±0.11	1.45 ±0.12	1.37 ±0.14	1.40 ±0.13
목심살	2.79 ±0.76	2.61 ±0.30	2.70 ±0.19	2.65 ±0.42	2.76 ±0.38	2.73 ±0.30	2.78 ±0.54	2.61 ±0.25	2.70 ±0.38
꾸리살	0.46 ±0.07	0.43 ±0.04	0.44 ±0.03	0.43 ±0.04	0.43 ±0.03	0.44 ±0.04	0.46 ±0.04	0.46 ±0.06	0.44 ±0.04
부채살	0.68 ±0.06	0.66 ±0.08	0.65 ±0.06	0.66 ±0.05	0.68 ±0.05	0.69 ±0.07	0.70 ±0.10	0.66 ±0.10	0.67 ±0.07
앞다리살	1.74 ±0.26	1.72 ±0.16	1.79 ±0.10	1.75 ±0.11	1.78 ±0.13	1.84 ±0.16	1.88 ±0.12	1.85 ±0.17	1.78 ±0.15
갈비덧살	0.27 ±0.07	0.30 ±0.05	0.30 ±0.06	0.31 ±0.05	0.31 ±0.05	0.33 ±0.08	0.30 ±0.08	0.32 ±0.04	0.31 ±0.06
부채덮개살	0.35 ±0.07	0.33 ±0.04	0.33 ±0.03	0.32 ±0.04	0.31 ±0.03	0.32 ±0.03	0.33 ±0.02	0.34 ±0.07	0.32 ±0.04
우둔살	2.58 ±0.18	2.71 ±0.23	2.69 ±0.24	2.56 ±0.18	2.58 ±0.17	2.54 ±0.19	2.60 ±0.15	2.61 ±0.31	2.62 ±0.21
홍두깨살	0.62 ±0.08	0.64 ±0.06	0.69 ±0.11	0.61 ±0.06	0.61 ±0.06	0.62 ±0.09	0.62 ±0.06	0.65 ±0.10	0.63 ±0.08
보섭살	1.51 ±0.09	1.60 ±0.11	1.58 ±0.11	1.53 ±0.10	1.53 ±0.08	1.53 ±0.13	1.57 ±0.10	1.57 ±0.13	1.55 ±0.11
설깃살	1.78 ±0.18	1.92 ±0.14	1.96 ±0.12	1.89 ±0.13	1.89 ±0.15	1.89 ±0.16	1.99 ±0.14	1.88 ±0.22	1.90 ±0.15
설깃머리살	0.61 ±0.07	0.65 ±0.08	0.68 ±0.07	0.64 ±0.05	0.65 ±0.08	0.63 ±0.07	0.69 ±0.11	0.63 ±0.08	0.65 ±0.07
도가니살	1.50 ±0.08	1.56 ±0.12	1.59 ±0.11	1.58 ±0.15	1.57 ±0.12	1.58 ±0.10	1.60 ±0.09	1.52 ±0.14	1.57 ±0.12

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
삼각살	0.38 ±0.02	0.39 ±0.04	0.40 ±0.03	0.39 ±0.03	0.38 ±0.03	0.37 ±0.04	0.41 ±0.03	0.39 ±0.04	0.39 ±0.03
양지머리	2.55 ±0.31	2.43 ±0.28	2.57 ±0.27	2.36 ±0.19	2.34 ±0.21	2.53 ±0.38	2.77 ±0.42	2.89 ±0.46	2.48 ±0.32
차돌박이	1.03 ±0.16	1.05 ±0.16	1.05 ±0.17	0.94 ±0.13	0.95 ±0.13	0.95 ±0.16	1.05 ±0.30	1.08 ±0.22	1.00 ±0.17
업진살	1.46 ±0.13	1.47 ±0.20	1.55 ±0.22	1.44 ±0.15	1.54 ±0.20	1.49 ±0.23	1.56 ±0.24	1.38 ±0.21	1.50 ±0.20
업진안살	0.25 ±0.03	0.26 ±0.04	0.26 ±0.04	0.23 ±0.05	0.23 ±0.05	0.24 ±0.04	0.23 ±0.05	0.24 ±0.06	0.24 ±0.05
치마양지	1.64 ±0.11	1.71 ±0.19	1.81 ±0.15	1.82 ±0.15	1.86 ±0.21	1.75 ±0.24	1.84 ±0.27	1.85 ±0.26	1.78 ±0.20
치마살	0.50 ±0.02	0.52 ±0.06	0.55 ±0.04	0.56 ±0.04	0.56 ±0.05	0.55 ±0.09	0.54 ±0.12	0.53 ±0.08	0.54 ±0.06
앞치마살	0.35 ±0.03	0.37 ±0.05	0.39 ±0.06	0.39 ±0.05	0.41 ±0.05	0.38 ±0.06	0.42 ±0.08	0.38 ±0.08	0.38 ±0.06
앞사태	1.06 ±0.17	1.04 ±0.09	1.04 ±0.07	1.03 ±0.06	1.03 ±0.06	1.05 ±0.09	1.03 ±0.07	1.07 ±0.12	1.04 ±0.08
뒷사태	1.19 ±0.14	1.24 ±0.10	1.24 ±0.09	1.18 ±0.07	1.17 ±0.08	1.17 ±0.07	1.19 ±0.07	1.18 ±0.12	1.20 ±0.09
뭉치사태	0.58 ±0.07	0.61 ±0.05	0.62 ±0.06	0.58 ±0.04	0.58 ±0.04	0.57 ±0.04	0.59 ±0.04	0.57 ±0.07	0.59 ±0.05
아롱사태	0.09 ±0.01	0.10 ±0.02	0.10 ±0.01	0.09 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.09 ±0.02	0.10 ±0.01
상박살	0.18 ±0.04	0.18 ±0.02	0.18 ±0.02	0.18 ±0.02	0.18 ±0.01	0.19 ±0.02	0.18 ±0.01	0.19 ±0.02	0.18 ±0.02
본갈비	0.98 ±0.19	0.90 ±0.11	0.97 ±0.10	0.92 ±0.09	0.94 ±0.09	1.01 ±0.11	1.07 ±0.13	1.04 ±0.05	0.96 ±0.12
꽃갈비	1.49 ±0.15	1.39 ±0.15	1.44 ±0.13	1.42 ±0.06	1.46 ±0.13	1.51 ±0.14	1.60 ±0.13	1.60 ±0.08	1.46 ±0.14
참갈비	1.26 ±0.16	1.33 ±0.14	1.26 ±0.14	1.40 ±0.20	1.39 ±0.15	1.43 ±0.17	1.47 ±0.40	1.43 ±0.34	1.37 ±0.20
갈비살	2.57 ±0.29	2.57 ±0.27	2.64 ±0.23	2.69 ±0.20	2.71 ±0.27	2.82 ±0.23	2.94 ±0.44	2.81 ±0.34	2.69 ±0.28
마구리	1.53 ±0.33	1.23 ±0.21	1.17 ±0.17	1.13 ±0.24	1.13 ±0.25	1.16 ±0.29	1.11 ±0.23	1.32 ±0.49	1.19 ±0.26
토시살	0.13 ±0.01	0.14 ±0.02	0.15 ±0.02	0.14 ±0.02	0.14 ±0.02	0.14 ±0.01	0.14 ±0.01	0.13 ±0.00	0.14 ±0.02
안창살	0.22 ±0.01	0.23 ±0.03	0.25 ±0.02	0.23 ±0.02	0.24 ±0.03	0.23 ±0.03	0.24 ±0.02	0.23 ±0.02	0.24 ±0.02
제비추리	0.13 ±0.03	0.13 ±0.02	0.12 ±0.02	0.11 ±0.02	0.11 ±0.01	0.12 ±0.01	0.11 ±0.02	0.11 ±0.02	0.12 ±0.02

*평균±표준편차

표 137 육량 A등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중 (kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중 (kg)	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
거래정육중 (소분할, kg)	171.93 ±15.62	176.52 ±11.53	198.75 ±13.72	220.43 ±21.09	233.97 ±18.29	262.22 ±26.17	288.09 ±18.14	305.63 ±14.35	330.03 ±21.99	238.72 ±53.19
안심살	1.92 ±0.21	1.87 ±0.11	1.82 ±0.12	1.82 ±0.10	1.80 ±0.13	1.82 ±0.09	1.72 ±0.07	1.79 ±0.09	1.76 ±0.10	1.81 ±0.12
윗등심살	3.66 ±0.52	3.80 ±0.32	3.97 ±0.41	4.20 ±0.84	4.00 ±0.42	4.35 ±0.68	4.20 ±0.41	4.34 ±0.28	4.32 ±0.40	4.10 ±0.56
꽃등심살	2.66 ±0.27	2.70 ±0.24	2.65 ±0.19	2.63 ±0.25	2.55 ±0.26	2.61 ±0.29	2.56 ±0.17	2.63 ±0.10	2.67 ±0.26	2.63 ±0.23
아래등심살	1.91 ±0.16	1.88 ±0.14	1.87 ±0.10	1.90 ±0.17	1.84 ±0.24	1.82 ±0.18	1.79 ±0.17	1.81 ±0.11	1.79 ±0.12	1.85 ±0.16
살치살	1.03 ±0.10	1.02 ±0.09	1.07 ±0.12	1.08 ±0.20	1.04 ±0.15	1.15 ±0.19	0.99 ±0.15	1.05 ±0.10	1.07 ±0.15	1.06 ±0.15
채끝살	2.50 ±0.26	2.36 ±0.16	2.38 ±0.12	2.35 ±0.18	2.34 ±0.19	2.26 ±0.17	2.26 ±0.17	2.30 ±0.22	2.15 ±0.17	2.32 ±0.19
목심살	4.79 ±1.76	4.85 ±0.74	5.25 ±1.17	5.87 ±1.31	5.85 ±1.08	6.48 ±1.69	6.69 ±1.41	6.82 ±1.70	7.31 ±1.30	5.94 ±1.52
꾸리살	0.81 ±0.06	0.85 ±0.08	0.85 ±0.07	0.81 ±0.08	0.78 ±0.03	0.80 ±0.04	0.80 ±0.06	0.85 ±0.07	0.82 ±0.06	0.82 ±0.07
부채살	1.23 ±0.13	1.22 ±0.10	1.17 ±0.10	1.17 ±0.12	1.16 ±0.09	1.17 ±0.11	1.14 ±0.08	1.27 ±0.07	1.14 ±0.10	1.18 ±0.10
앞다리살	3.26 ±0.39	3.33 ±0.26	3.35 ±0.32	3.45 ±0.39	3.35 ±0.24	3.50 ±0.36	3.44 ±0.25	3.58 ±0.25	3.63 ±0.33	3.43 ±0.32
갈비덧살	0.63 ±0.08	0.61 ±0.10	0.63 ±0.10	0.59 ±0.11	0.59 ±0.12	0.60 ±0.11	0.60 ±0.15	0.62 ±0.08	0.58 ±0.08	0.61 ±0.10
부채덮개살	0.64 ±0.11	0.64 ±0.07	0.68 ±0.10	0.68 ±0.14	0.64 ±0.06	0.70 ±0.14	0.71 ±0.14	0.74 ±0.14	0.75 ±0.12	0.69 ±0.12
우둔살	5.14 ±0.34	5.09 ±0.51	4.89 ±0.41	4.89 ±0.35	4.62 ±0.36	4.74 ±0.39	4.83 ±0.32	4.81 ±0.31	4.65 ±0.30	4.85 ±0.39
홍두깨살	1.30 ±0.10	1.21 ±0.18	1.17 ±0.16	1.24 ±0.15	1.18 ±0.15	1.21 ±0.18	1.19 ±0.12	1.25 ±0.22	1.21 ±0.12	1.21 ±0.16
보섭살	2.97 ±0.16	2.92 ±0.23	2.90 ±0.25	2.89 ±0.27	2.80 ±0.19	2.92 ±0.24	2.86 ±0.17	3.02 ±0.18	2.89 ±0.18	2.90 ±0.22
설깃살	3.53 ±0.24	3.42 ±0.28	3.38 ±0.28	3.47 ±0.26	3.39 ±0.21	3.39 ±0.28	3.52 ±0.17	3.60 ±0.23	3.46 ±0.24	3.45 ±0.25
설깃머리살	1.14 ±0.12	1.13 ±0.14	1.10 ±0.10	1.14 ±0.13	1.12 ±0.10	1.15 ±0.13	1.14 ±0.09	1.24 ±0.13	1.15 ±0.12	1.14 ±0.12
도가니살	2.98 ±0.13	3.06 ±0.18	2.96 ±0.25	2.88 ±0.21	2.77 ±0.17	2.74 ±0.21	2.84 ±0.12	2.82 ±0.11	2.71 ±0.22	2.87 ±0.22

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
삼각살	0.68 ±0.03	0.69 ±0.08	0.69 ±0.07	0.71 ±0.07	0.72 ±0.05	0.73 ±0.08	0.70 ±0.06	0.73 ±0.08	0.72 ±0.06	0.71 ±0.07
양지머리	4.46 ±0.34	4.58 ±0.41	4.42 ±0.48	4.64 ±0.55	4.49 ±0.46	4.85 ±0.67	4.86 ±0.57	5.01 ±0.90	5.08 ±0.61	4.68 ±0.59
차돌박이	1.94 ±0.25	1.98 ±0.20	1.78 ±0.24	1.72 ±0.16	1.71 ±0.21	1.70 ±0.20	1.66 ±0.18	1.52 ±0.25	1.57 ±0.19	1.73 ±0.24
업진살	2.53 ±0.13	2.29 ±0.17	2.28 ±0.25	2.36 ±0.22	2.45 ±0.30	2.26 ±0.29	2.27 ±0.28	2.33 ±0.18	2.32 ±0.21	2.33 ±0.24
업진안살	0.46 ±0.03	0.44 ±0.06	0.44 ±0.06	0.45 ±0.05	0.45 ±0.09	0.43 ±0.08	0.44 ±0.08	0.44 ±0.08	0.46 ±0.08	0.45 ±0.07
치마양지	2.89 ±0.23	2.81 ±0.29	2.85 ±0.20	2.90 ±0.17	3.24 ±0.21	3.02 ±0.31	2.94 ±0.46	2.97 ±0.25	3.00 ±0.20	2.95 ±0.28
치마살	0.91 ±0.09	0.88 ±0.07	0.92 ±0.07	0.91 ±0.07	0.96 ±0.06	0.95 ±0.10	0.93 ±0.13	0.94 ±0.06	0.96 ±0.06	0.93 ±0.08
앞치마살	0.65 ±0.09	0.63 ±0.09	0.60 ±0.07	0.61 ±0.05	0.69 ±0.07	0.65 ±0.09	0.60 ±0.10	0.66 ±0.05	0.65 ±0.05	0.63 ±0.08
앞사태	1.99 ±0.16	1.96 ±0.17	1.88 ±0.13	1.96 ±0.14	1.88 ±0.09	1.91 ±0.09	1.93 ±0.10	1.94 ±0.13	1.86 ±0.14	1.92 ±0.13
뒷사태	2.43 ±0.17	2.41 ±0.22	2.27 ±0.20	2.28 ±0.22	2.13 ±0.17	2.16 ±0.13	2.20 ±0.12	2.27 ±0.13	2.12 ±0.19	2.25 ±0.20
뭉치사태	1.23 ±0.10	1.19 ±0.11	1.12 ±0.11	1.13 ±0.11	1.09 ±0.10	1.07 ±0.09	1.07 ±0.08	1.11 ±0.08	1.04 ±0.09	1.12 ±0.11
아롱사태	0.20 ±0.02	0.19 ±0.02	0.19 ±0.03	0.19 ±0.03	0.17 ±0.02	0.18 ±0.01	0.18 ±0.02	0.18 ±0.02	0.17 ±0.02	0.18 ±0.02
상박살	0.33 ±0.03	0.33 ±0.05	0.33 ±0.03	0.33 ±0.03	0.32 ±0.03	0.34 ±0.04	0.34 ±0.03	0.35 ±0.03	0.34 ±0.03	0.33 ±0.03
본갈비	1.73 ±0.19	1.65 ±0.22	1.77 ±0.17	1.78 ±0.24	1.79 ±0.11	1.79 ±0.29	1.90 ±0.25	1.84 ±0.16	1.88 ±0.17	1.79 ±0.21
꽃갈비	2.44 ±0.16	2.41 ±0.13	2.46 ±0.16	2.46 ±0.22	2.49 ±0.18	2.57 ±0.25	2.44 ±0.13	2.52 ±0.10	2.58 ±0.25	2.48 ±0.19
참갈비	2.20 ±0.23	2.07 ±0.16	2.17 ±0.25	2.23 ±0.21	2.26 ±0.19	2.38 ±0.28	2.31 ±0.24	2.33 ±0.19	2.37 ±0.28	2.25 ±0.24
갈비살	4.35 ±0.35	4.11 ±0.31	4.38 ±0.38	4.46 ±0.37	4.60 ±0.37	4.73 ±0.56	4.74 ±0.18	4.74 ±0.28	4.82 ±0.49	4.53 ±0.43
마구리	2.20 ±0.13	2.42 ±0.21	2.35 ±0.36	2.23 ±0.34	1.98 ±0.32	2.05 ±0.32	2.06 ±0.41	2.16 ±0.39	2.17 ±0.28	2.19 ±0.34
토시살	0.26 ±0.04	0.25 ±0.03	0.26 ±0.02	0.24 ±0.02	0.25 ±0.03	0.24 ±0.02	0.25 ±0.03	0.25 ±0.02	0.25 ±0.02	0.25 ±0.03
안창살	0.44 ±0.08	0.38 ±0.05	0.40 ±0.04	0.39 ±0.04	0.41 ±0.05	0.39 ±0.05	0.40 ±0.07	0.39 ±0.02	0.38 ±0.06	0.40 ±0.05
제비추리	0.21 ±0.04	0.23 ±0.02	0.24 ±0.03	0.24 ±0.06	0.22 ±0.04	0.25 ±0.06	0.22 ±0.04	0.26 ±0.04	0.25 ±0.05	0.24 ±0.04

*평균±표준편차

표 138 육량 B등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중 (kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중 (kg)	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
거래정육중 (소분할, kg)	154.12 ±16.33	170.36 ±5.68	185.55 ±10.90	206.94 ±10.87	223.30 ±12.56	244.46 ±11.64	255.68 ±11.76	278.79 ±10.69	306.88 ±23.67	228.17 ±44.63
안심살	1.93 ±0.14	1.87 ±0.17	1.80 ±0.06	1.78 ±0.10	1.78 ±0.08	1.76 ±0.11	1.66 ±0.11	1.71 ±0.16	1.66 ±0.12	1.76 ±0.14
윗등심살	3.78 ±0.64	3.39 ±0.32	3.44 ±0.17	3.75 ±0.36	3.64 ±0.43	3.84 ±0.29	3.71 ±0.36	3.73 ±0.28	3.48 ±0.33	3.66 ±0.37
꽃등심살	2.55 ±0.16	2.31 ±0.20	2.37 ±0.12	2.42 ±0.22	2.41 ±0.17	2.48 ±0.20	2.38 ±0.28	2.35 ±0.30	2.46 ±0.23	2.41 ±0.22
아래등심살	1.78 ±0.10	1.74 ±0.34	1.80 ±0.12	1.78 ±0.18	1.84 ±0.22	1.80 ±0.17	1.74 ±0.18	1.79 ±0.30	1.65 ±0.19	1.77 ±0.20
살치살	0.99 ±0.14	0.93 ±0.19	0.98 ±0.10	1.03 ±0.16	1.03 ±0.17	1.04 ±0.13	0.99 ±0.16	1.05 ±0.17	0.92 ±0.20	1.00 ±0.16
채끝살	2.30 ±0.13	2.38 ±0.16	2.39 ±0.20	2.36 ±0.11	2.37 ±0.10	2.37 ±0.21	2.22 ±0.16	2.19 ±0.14	2.33 ±0.24	2.32 ±0.18
목심살	5.33 ±1.62	4.27 ±0.54	4.36 ±0.52	4.55 ±0.84	4.63 ±0.29	4.84 ±0.74	4.57 ±0.39	4.98 ±0.79	4.55 ±0.57	4.65 ±0.76
꾸리살	0.85 ±0.12	0.78 ±0.08	0.78 ±0.08	0.75 ±0.07	0.78 ±0.04	0.79 ±0.06	0.73 ±0.06	0.80 ±0.10	0.73 ±0.09	0.77 ±0.08
부채살	1.28 ±0.09	1.11 ±0.14	1.16 ±0.08	1.15 ±0.12	1.18 ±0.14	1.20 ±0.09	1.15 ±0.11	1.22 ±0.16	1.10 ±0.15	1.17 ±0.12
앞다리살	3.41 ±0.57	2.95 ±0.21	2.93 ±0.22	3.01 ±0.30	3.04 ±0.19	3.16 ±0.24	2.99 ±0.21	3.20 ±0.25	3.07 ±0.28	3.07 ±0.30
갈비덧살	0.64 ±0.13	0.55 ±0.11	0.54 ±0.10	0.55 ±0.13	0.53 ±0.11	0.51 ±0.10	0.52 ±0.09	0.58 ±0.14	0.53 ±0.11	0.54 ±0.11
부채덮개살	0.70 ±0.10	0.61 ±0.11	0.60 ±0.05	0.57 ±0.08	0.60 ±0.05	0.60 ±0.07	0.53 ±0.04	0.57 ±0.07	0.55 ±0.07	0.58 ±0.08
우둔살	5.09 ±0.51	4.83 ±0.49	4.79 ±0.25	4.58 ±0.34	4.62 ±0.42	4.48 ±0.38	4.17 ±0.29	4.36 ±0.39	4.20 ±0.54	4.52 ±0.46
홍두깨살	1.25 ±0.26	1.11 ±0.17	1.14 ±0.11	1.09 ±0.13	1.07 ±0.18	1.05 ±0.10	1.03 ±0.11	1.05 ±0.10	1.04 ±0.14	1.08 ±0.15
보섭살	2.93 ±0.41	2.82 ±0.31	2.86 ±0.16	2.74 ±0.16	2.70 ±0.21	2.65 ±0.17	2.51 ±0.15	2.64 ±0.24	2.58 ±0.27	2.69 ±0.24
설깃살	3.36 ±0.45	3.27 ±0.36	3.29 ±0.24	3.30 ±0.18	3.31 ±0.24	3.24 ±0.27	2.98 ±0.18	3.11 ±0.31	3.02 ±0.29	3.20 ±0.29
설깃머리살	1.06 ±0.17	1.00 ±0.14	1.09 ±0.13	1.12 ±0.09	1.10 ±0.12	1.12 ±0.10	1.03 ±0.11	1.05 ±0.11	1.09 ±0.11	1.08 ±0.12
도가니살	3.08 ±0.34	2.81 ±0.18	2.85 ±0.30	2.71 ±0.18	2.76 ±0.13	2.74 ±0.19	2.60 ±0.17	2.80 ±0.31	2.60 ±0.24	2.74 ±0.25

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
삼각살	0.70 ±0.13	0.73 ±0.10	0.70 ±0.06	0.66 ±0.07	0.65 ±0.07	0.66 ±0.06	0.62 ±0.05	0.64 ±0.05	0.66 ±0.09	0.66 ±0.08
양지머리	4.44 ±0.80	4.34 ±0.43	4.12 ±0.31	4.15 ±0.42	3.97 ±0.39	4.51 ±0.63	4.13 ±0.49	4.10 ±0.36	4.64 ±0.48	4.26 ±0.52
차돌박이	1.58 ±0.22	1.75 ±0.32	1.82 ±0.35	1.69 ±0.26	1.59 ±0.22	1.77 ±0.35	1.61 ±0.24	1.36 ±0.14	1.63 ±0.33	1.66 ±0.30
업진살	2.31 ±0.33	2.36 ±0.20	2.42 ±0.12	2.33 ±0.17	2.40 ±0.23	2.35 ±0.26	2.45 ±0.30	2.25 ±0.27	2.28 ±0.32	2.36 ±0.25
업진안살	0.44 ±0.08	0.42 ±0.09	0.47 ±0.04	0.43 ±0.07	0.43 ±0.06	0.42 ±0.05	0.41 ±0.08	0.38 ±0.06	0.39 ±0.06	0.42 ±0.07
치마양지	2.81 ±0.25	2.86 ±0.29	2.75 ±0.19	2.85 ±0.37	2.90 ±0.27	3.00 ±0.39	3.00 ±0.26	2.96 ±0.26	3.00 ±0.19	2.91 ±0.30
치마살	0.88 ±0.11	0.88 ±0.07	0.86 ±0.04	0.90 ±0.06	0.89 ±0.07	0.93 ±0.08	0.93 ±0.11	0.91 ±0.07	0.94 ±0.06	0.91 ±0.08
앞치마살	0.63 ±0.06	0.59 ±0.06	0.59 ±0.06	0.60 ±0.11	0.65 ±0.09	0.62 ±0.07	0.65 ±0.06	0.67 ±0.05	0.67 ±0.10	0.63 ±0.08
앞사태	2.16 ±0.29	1.90 ±0.23	1.77 ±0.14	1.76 ±0.15	1.83 ±0.10	1.83 ±0.19	1.73 ±0.09	1.79 ±0.24	1.74 ±0.18	1.81 ±0.20
뒷사태	2.45 ±0.25	2.18 ±0.10	2.18 ±0.20	2.05 ±0.15	2.16 ±0.21	2.11 ±0.16	1.95 ±0.13	2.04 ±0.15	1.93 ±0.13	2.09 ±0.20
뭉치사태	1.18 ±0.13	1.06 ±0.07	1.08 ±0.11	1.00 ±0.08	1.09 ±0.12	1.03 ±0.10	0.95 ±0.08	1.01 ±0.10	0.91 ±0.08	1.02 ±0.11
아롱사태	0.20 ±0.03	0.17 ±0.02	0.17 ±0.02	0.16 ±0.02	0.18 ±0.02	0.18 ±0.02	0.16 ±0.02	0.17 ±0.02	0.15 ±0.01	0.17 ±0.02
상박살	0.37 ±0.05	0.31 ±0.04	0.30 ±0.03	0.30 ±0.03	0.32 ±0.02	0.32 ±0.04	0.30 ±0.02	0.32 ±0.04	0.30 ±0.03	0.31 ±0.04
본갈비	1.83 ±0.22	1.64 ±0.16	1.59 ±0.16	1.59 ±0.23	1.68 ±0.22	1.68 ±0.19	1.64 ±0.15	1.64 ±0.13	1.67 ±0.18	1.65 ±0.19
꽃갈비	2.59 ±0.18	2.41 ±0.19	2.45 ±0.16	2.39 ±0.22	2.35 ±0.22	2.49 ±0.21	2.46 ±0.17	2.33 ±0.15	2.57 ±0.18	2.45 ±0.20
참갈비	2.25 ±0.17	2.22 ±0.36	2.07 ±0.24	2.35 ±0.36	2.35 ±0.29	2.26 ±0.32	2.25 ±0.17	2.42 ±0.37	2.17 ±0.30	2.26 ±0.30
갈비살	4.37 ±0.25	4.29 ±0.46	4.20 ±0.37	4.42 ±0.45	4.45 ±0.62	4.55 ±0.39	4.55 ±0.28	4.51 ±0.36	4.61 ±0.31	4.45 ±0.40
마구리	2.59 ±0.37	2.17 ±0.51	2.53 ±0.56	1.93 ±0.43	1.94 ±0.32	2.01 ±0.37	1.88 ±0.27	1.92 ±0.28	2.13 ±0.42	2.07 ±0.45
토시살	0.24 ±0.01	0.26 ±0.04	0.23 ±0.02	0.24 ±0.02	0.24 ±0.01	0.24 ±0.03	0.24 ±0.03	0.24 ±0.03	0.24 ±0.02	0.24 ±0.03
안창살	0.40 ±0.02	0.42 ±0.08	0.39 ±0.04	0.40 ±0.05	0.39 ±0.04	0.42 ±0.05	0.38 ±0.04	0.41 ±0.04	0.38 ±0.04	0.40 ±0.05
제비추리	0.24 ±0.04	0.20 ±0.04	0.20 ±0.03	0.21 ±0.03	0.20 ±0.03	0.20 ±0.03	0.18 ±0.03	0.21 ±0.02	0.18 ±0.02	0.20 ±0.03

*평균±표준편차

표 139 육량 C등급 한우 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중 (kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중 (kg)	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
거래정육중 (소분할, kg)	175.58 ±12.87	200.64 ±13.69	220.53 ±12.71	228.93 ±12.58	249.46 ±13.33	264.62 ±12.34	291.29 ±14.75	296.29 ±21.99	234.43 ±34.68
안심살	1.62 ±0.13	1.71 ±0.16	1.71 ±0.10	1.67 ±0.12	1.64 ±0.09	1.66 ±0.15	1.64 ±0.10	1.63 ±0.19	1.67 ±0.13
윗등심살	3.59 ±0.69	3.45 ±0.41	3.51 ±0.29	3.41 ±0.42	3.57 ±0.48	3.51 ±0.40	3.68 ±0.52	3.45 ±0.12	3.51 ±0.43
꽃등심살	2.46 ±0.40	2.37 ±0.22	2.45 ±0.21	2.24 ±0.23	2.32 ±0.19	2.28 ±0.27	2.34 ±0.16	2.33 ±0.19	2.34 ±0.23
아래등심살	1.69 ±0.27	1.76 ±0.16	1.79 ±0.13	1.64 ±0.21	1.64 ±0.17	1.64 ±0.26	1.67 ±0.17	1.55 ±0.23	1.69 ±0.20
살치살	0.89 ±0.16	0.99 ±0.17	0.98 ±0.16	0.92 ±0.14	0.96 ±0.14	0.97 ±0.16	1.03 ±0.18	0.99 ±0.11	0.97 ±0.16
채끝살	2.23 ±0.09	2.40 ±0.18	2.32 ±0.19	2.19 ±0.16	2.17 ±0.20	2.10 ±0.16	2.26 ±0.13	2.22 ±0.21	2.24 ±0.20
목심살	4.57 ±1.43	4.26 ±0.45	4.36 ±0.24	4.28 ±0.63	4.38 ±0.57	4.34 ±0.49	4.31 ±0.78	4.25 ±0.45	4.33 ±0.60
꾸리살	0.75 ±0.14	0.71 ±0.06	0.71 ±0.06	0.70 ±0.07	0.69 ±0.05	0.69 ±0.07	0.72 ±0.06	0.75 ±0.10	0.71 ±0.07
부채살	1.10 ±0.12	1.08 ±0.12	1.05 ±0.10	1.07 ±0.06	1.07 ±0.09	1.09 ±0.11	1.09 ±0.15	1.08 ±0.15	1.08 ±0.11
앞다리살	2.85 ±0.54	2.81 ±0.24	2.89 ±0.18	2.83 ±0.16	2.82 ±0.20	2.92 ±0.27	2.93 ±0.22	3.00 ±0.27	2.86 ±0.24
갈비덧살	0.45 ±0.12	0.49 ±0.07	0.49 ±0.09	0.50 ±0.08	0.49 ±0.07	0.52 ±0.12	0.46 ±0.13	0.52 ±0.07	0.49 ±0.09
부채덮개살	0.57 ±0.15	0.54 ±0.06	0.53 ±0.04	0.51 ±0.06	0.49 ±0.04	0.52 ±0.05	0.51 ±0.04	0.55 ±0.11	0.52 ±0.07
우둔살	4.20 ±0.46	4.43 ±0.38	4.35 ±0.41	4.16 ±0.36	4.10 ±0.30	4.04 ±0.37	4.05 ±0.19	4.24 ±0.55	4.21 ±0.39
홍두깨살	1.01 ±0.16	1.05 ±0.11	1.11 ±0.18	1.00 ±0.11	0.97 ±0.09	0.98 ±0.14	0.96 ±0.08	1.05 ±0.16	1.02 ±0.13
보섭살	2.46 ±0.21	2.62 ±0.20	2.55 ±0.18	2.49 ±0.20	2.43 ±0.16	2.44 ±0.24	2.44 ±0.12	2.55 ±0.24	2.50 ±0.20
설깃살	2.89 ±0.40	3.13 ±0.22	3.16 ±0.21	3.07 ±0.23	2.99 ±0.23	3.00 ±0.31	3.10 ±0.20	3.05 ±0.39	3.06 ±0.26
설깃머리살	0.99 ±0.16	1.06 ±0.11	1.09 ±0.10	1.03 ±0.08	1.03 ±0.13	1.01 ±0.12	1.07 ±0.15	1.03 ±0.14	1.04 ±0.12
도가니살	2.44 ±0.19	2.55 ±0.20	2.57 ±0.21	2.56 ±0.26	2.49 ±0.20	2.52 ±0.21	2.49 ±0.13	2.47 ±0.26	2.53 ±0.21

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
삼각살	0.61 ±0.05	0.64 ±0.06	0.65 ±0.05	0.63 ±0.06	0.61 ±0.06	0.59 ±0.06	0.64 ±0.04	0.63 ±0.07	0.62 ±0.06
양지머리	4.16 ±0.68	3.97 ±0.45	4.14 ±0.40	3.83 ±0.32	3.71 ±0.30	4.01 ±0.54	4.32 ±0.74	4.70 ±0.77	3.99 ±0.51
차돌박이	1.67 ±0.26	1.71 ±0.26	1.69 ±0.28	1.53 ±0.19	1.50 ±0.20	1.51 ±0.22	1.64 ±0.49	1.75 ±0.38	1.61 ±0.27
업진살	2.37 ±0.21	2.41 ±0.30	2.49 ±0.32	2.33 ±0.24	2.44 ±0.31	2.36 ±0.32	2.43 ±0.31	2.24 ±0.32	2.40 ±0.29
업진안살	0.40 ±0.06	0.42 ±0.07	0.42 ±0.07	0.37 ±0.08	0.37 ±0.09	0.38 ±0.06	0.36 ±0.09	0.40 ±0.09	0.39 ±0.08
치마양지	2.66 ±0.24	2.79 ±0.31	2.91 ±0.25	2.95 ±0.26	2.96 ±0.36	2.78 ±0.43	2.86 ±0.39	3.01 ±0.41	2.87 ±0.33
치마살	0.81 ±0.05	0.85 ±0.09	0.89 ±0.06	0.90 ±0.07	0.89 ±0.08	0.87 ±0.14	0.84 ±0.19	0.86 ±0.14	0.87 ±0.10
앞치마살	0.57 ±0.07	0.60 ±0.07	0.63 ±0.10	0.63 ±0.07	0.64 ±0.08	0.60 ±0.09	0.65 ±0.12	0.62 ±0.13	0.62 ±0.09
앞사태	1.72 ±0.34	1.70 ±0.12	1.68 ±0.10	1.67 ±0.12	1.63 ±0.11	1.67 ±0.14	1.60 ±0.10	1.73 ±0.23	1.67 ±0.14
뒷사태	1.94 ±0.29	2.02 ±0.13	2.00 ±0.15	1.91 ±0.15	1.86 ±0.12	1.86 ±0.13	1.86 ±0.11	1.92 ±0.22	1.93 ±0.16
뭉치사태	0.95 ±0.15	0.99 ±0.07	1.00 ±0.09	0.95 ±0.09	0.91 ±0.07	0.90 ±0.08	0.91 ±0.06	0.93 ±0.11	0.95 ±0.09
아롱사태	0.15 ±0.03	0.16 ±0.02	0.16 ±0.02	0.15 ±0.02	0.16 ±0.02	0.16 ±0.02	0.15 ±0.01	0.15 ±0.03	0.16 ±0.02
상박살	0.30 ±0.07	0.29 ±0.03	0.29 ±0.03	0.29 ±0.03	0.29 ±0.02	0.30 ±0.03	0.27 ±0.02	0.30 ±0.04	0.29 ±0.03
본갈비	1.59 ±0.37	1.47 ±0.16	1.57 ±0.17	1.49 ±0.12	1.49 ±0.16	1.60 ±0.19	1.67 ±0.22	1.69 ±0.11	1.54 ±0.19
꽃갈비	2.42 ±0.32	2.26 ±0.21	2.33 ±0.19	2.30 ±0.12	2.32 ±0.19	2.41 ±0.24	2.49 ±0.17	2.60 ±0.14	2.35 ±0.21
참갈비	2.04 ±0.18	2.18 ±0.21	2.04 ±0.20	2.28 ±0.31	2.22 ±0.28	2.28 ±0.28	2.29 ±0.64	2.32 ±0.53	2.20 ±0.31
갈비살	4.18 ±0.48	4.19 ±0.36	4.25 ±0.36	4.36 ±0.30	4.30 ±0.47	4.49 ±0.40	4.58 ±0.69	4.56 ±0.52	4.33 ±0.43
마구리	2.50 ±0.62	2.01 ±0.33	1.89 ±0.26	1.85 ±0.41	1.78 ±0.38	1.85 ±0.46	1.73 ±0.37	2.14 ±0.82	1.92 ±0.44
토시살	0.22 ±0.02	0.23 ±0.03	0.24 ±0.02	0.23 ±0.03	0.23 ±0.03	0.23 ±0.02	0.23 ±0.02	0.22 ±0.01	0.23 ±0.03
안창살	0.36 ±0.02	0.38 ±0.04	0.40 ±0.04	0.38 ±0.04	0.37 ±0.05	0.37 ±0.05	0.38 ±0.03	0.37 ±0.04	0.38 ±0.04
제비추리	0.21 ±0.06	0.21 ±0.03	0.19 ±0.03	0.18 ±0.03	0.18 ±0.02	0.19 ±0.02	0.17 ±0.03	0.18 ±0.03	0.19 ±0.03

*평균±표준편차

표 140 도체등급에 따른 한우 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중 (kg)	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
거래정육중 (소분할, kg)	267.22 ±28.33	244.93 ±36.18	228.19 ±35.50	223.27 ±45.06	230.90 ±53.71	238.72 ±53.19	228.17 ±44.63	234.43 ±34.68
안심살	1.05 ±0.06	1.07 ±0.07	1.05 ±0.08	1.06 ±0.08	1.09 ±0.08	1.10 ±0.07	1.07 ±0.07	1.04 ±0.08
윗등심살	2.31 ±0.25	2.33 ±0.22	2.21 ±0.24	2.17 ±0.27	2.43 ±0.40	2.48 ±0.35	2.23 ±0.24	2.18 ±0.26
꽃등심살	1.53 ±0.17	1.52 ±0.14	1.46 ±0.15	1.47 ±0.14	1.55 ±0.18	1.59 ±0.15	1.47 ±0.15	1.46 ±0.14
아래등심살	1.08 ±0.11	1.11 ±0.12	1.06 ±0.13	1.07 ±0.12	1.08 ±0.10	1.12 ±0.10	1.08 ±0.12	1.05 ±0.12
살치살	0.62 ±0.09	0.64 ±0.09	0.61 ±0.10	0.59 ±0.09	0.62 ±0.11	0.64 ±0.09	0.61 ±0.10	0.60 ±0.10
채끝살	1.51 ±0.14	1.44 ±0.13	1.39 ±0.12	1.38 ±0.10	1.39 ±0.11	1.40 ±0.12	1.41 ±0.12	1.40 ±0.13
목심살	2.89 ±0.32	2.86 ±0.32	2.68 ±0.32	2.81 ±0.63	3.65 ±1.01	3.60 ±0.96	2.83 ±0.48	2.70 ±0.38
꾸리살	0.44 ±0.03	0.46 ±0.03	0.45 ±0.04	0.46 ±0.05	0.49 ±0.05	0.50 ±0.04	0.47 ±0.04	0.44 ±0.04
부채살	0.71 ±0.07	0.71 ±0.06	0.69 ±0.08	0.68 ±0.08	0.70 ±0.07	0.71 ±0.07	0.71 ±0.07	0.67 ±0.07
앞다리살	1.85 ±0.16	1.86 ±0.14	1.83 ±0.16	1.83 ±0.20	2.05 ±0.27	2.07 ±0.22	1.87 ±0.18	1.78 ±0.15
갈비덧살	0.31 ±0.06	0.33 ±0.06	0.33 ±0.07	0.31 ±0.07	0.36 ±0.07	0.37 ±0.07	0.33 ±0.07	0.31 ±0.06
부채덮개살	0.32 ±0.04	0.34 ±0.03	0.33 ±0.04	0.35 ±0.05	0.42 ±0.07	0.41 ±0.08	0.35 ±0.04	0.32 ±0.04
우둔살	2.54 ±0.18	2.65 ±0.17	2.67 ±0.23	2.78 ±0.23	2.94 ±0.24	2.93 ±0.23	2.74 ±0.23	2.62 ±0.21
홍두깨살	0.62 ±0.04	0.64 ±0.07	0.63 ±0.08	0.67 ±0.09	0.74 ±0.10	0.73 ±0.10	0.66 ±0.08	0.63 ±0.08
보섭살	1.55 ±0.10	1.60 ±0.11	1.60 ±0.13	1.65 ±0.15	1.74 ±0.15	1.75 ±0.14	1.63 ±0.12	1.55 ±0.11
설깃살	1.89 ±0.15	1.95 ±0.15	1.91 ±0.15	1.97 ±0.15	2.07 ±0.18	2.09 ±0.16	1.94 ±0.15	1.90 ±0.15
설깃머리살	0.68 ±0.08	0.67 ±0.08	0.64 ±0.08	0.65 ±0.07	0.68 ±0.08	0.69 ±0.08	0.66 ±0.07	0.65 ±0.07
도가니살	1.58 ±0.11	1.63 ±0.11	1.63 ±0.14	1.66 ±0.14	1.70 ±0.14	1.73 ±0.13	1.67 ±0.12	1.57 ±0.12

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
삼각살	0.40 ±0.04	0.40 ±0.04	0.39 ±0.04	0.40 ±0.04	0.43 ±0.05	0.43 ±0.04	0.40 ±0.04	0.39 ±0.03
양지머리	2.57 ±0.30	2.56 ±0.29	2.49 ±0.30	2.60 ±0.36	2.84 ±0.42	2.84 ±0.39	2.59 ±0.33	2.48 ±0.32
차돌박이	0.99 ±0.14	1.00 ±0.18	1.00 ±0.16	1.05 ±0.19	1.03 ±0.14	1.05 ±0.14	1.01 ±0.18	1.00 ±0.17
업진살	1.55 ±0.22	1.51 ±0.19	1.44 ±0.19	1.42 ±0.18	1.42 ±0.14	1.41 ±0.16	1.44 ±0.17	1.50 ±0.20
업진안살	0.25 ±0.05	0.24 ±0.04	0.24 ±0.04	0.26 ±0.04	0.28 ±0.04	0.27 ±0.04	0.25 ±0.04	0.24 ±0.05
치마양지	1.90 ±0.18	1.85 ±0.18	1.78 ±0.22	1.72 ±0.17	1.74 ±0.16	1.78 ±0.18	1.77 ±0.19	1.78 ±0.20
치마살	0.59 ±0.04	0.57 ±0.06	0.55 ±0.06	0.53 ±0.05	0.55 ±0.05	0.56 ±0.05	0.55 ±0.05	0.54 ±0.06
앞치마살	0.44 ±0.06	0.40 ±0.06	0.38 ±0.05	0.37 ±0.04	0.37 ±0.04	0.38 ±0.05	0.38 ±0.06	0.38 ±0.06
앞사태	1.04 ±0.08	1.06 ±0.08	1.06 ±0.09	1.09 ±0.10	1.17 ±0.11	1.16 ±0.09	1.10 ±0.11	1.04 ±0.08
뒷사태	1.18 ±0.08	1.22 ±0.10	1.23 ±0.11	1.27 ±0.11	1.36 ±0.12	1.36 ±0.12	1.27 ±0.10	1.20 ±0.09
뭉치사태	0.57 ±0.04	0.59 ±0.05	0.61 ±0.05	0.63 ±0.06	0.68 ±0.07	0.67 ±0.06	0.62 ±0.06	0.59 ±0.05
아롱사태	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.11 ±0.01	0.11 ±0.01	0.10 ±0.01	0.10 ±0.01
상박살	0.18 ±0.02	0.19 ±0.02	0.18 ±0.02	0.19 ±0.02	0.20 ±0.02	0.20 ±0.02	0.19 ±0.02	0.18 ±0.02
본갈비	1.00 ±0.07	1.04 ±0.11	0.97 ±0.11	0.98 ±0.13	1.06 ±0.16	1.08 ±0.14	1.01 ±0.12	0.96 ±0.12
꽃갈비	1.57 ±0.08	1.52 ±0.13	1.46 ±0.12	1.45 ±0.13	1.49 ±0.15	1.50 ±0.13	1.49 ±0.13	1.46 ±0.14
참갈비	1.45 ±0.17	1.41 ±0.19	1.38 ±0.20	1.34 ±0.18	1.33 ±0.15	1.36 ±0.16	1.38 ±0.18	1.37 ±0.20
갈비살	2.91 ±0.11	2.83 ±0.26	2.70 ±0.25	2.65 ±0.27	2.65 ±0.31	2.74 ±0.29	2.71 ±0.27	2.69 ±0.28
마구리	1.19 ±0.26	1.15 ±0.21	1.18 ±0.20	1.25 ±0.23	1.41 ±0.24	1.32 ±0.20	1.26 ±0.26	1.19 ±0.26
토시살	0.15 ±0.02	0.15 ±0.01	0.14 ±0.01	0.14 ±0.01	0.15 ±0.02	0.15 ±0.02	0.15 ±0.01	0.14 ±0.02
안창살	0.24 ±0.03	0.24 ±0.03	0.24 ±0.02	0.24 ±0.03	0.23 ±0.03	0.24 ±0.03	0.24 ±0.03	0.24 ±0.02
제비추리	0.12 ±0.02	0.12 ±0.02	0.12 ±0.02	0.12 ±0.02	0.15 ±0.03	0.14 ±0.03	0.12 ±0.02	0.12 ±0.02

*평균±표준편차

표 141 도체등급에 따른 한우 암소의 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중 (kg)	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
거래정육중 (소분할, kg)	245.20 ±28.74	208.12 ±25.46	212.04 ±29.61	204.62 ±33.85	193.26 ±24.30	191.12 ±22.41	199.99 ±33.23	214.91 ±28.28
안심살	0.99 ±0.05	1.08 ±0.07	1.06 ±0.08	1.06 ±0.07	1.09 ±0.08	1.13 ±0.08	1.08 ±0.06	1.03 ±0.07
윗등심살	2.18 ±0.09	2.20 ±0.18	2.16 ±0.22	2.08 ±0.18	2.06 ±0.21	2.19 ±0.20	2.10 ±0.17	2.07 ±0.21
꽃등심살	1.41 ±0.10	1.52 ±0.16	1.47 ±0.15	1.44 ±0.11	1.40 ±0.12	1.50 ±0.15	1.42 ±0.11	1.44 ±0.14
아래등심살	1.08 ±0.06	1.13 ±0.13	1.09 ±0.11	1.08 ±0.10	1.05 ±0.11	1.12 ±0.10	1.07 ±0.12	1.06 ±0.11
살치살	0.63 ±0.04	0.63 ±0.09	0.61 ±0.10	0.59 ±0.08	0.57 ±0.09	0.63 ±0.08	0.59 ±0.08	0.58 ±0.10
채끝살	1.56 ±0.01	1.53 ±0.15	1.45 ±0.12	1.40 ±0.10	1.42 ±0.11	1.45 ±0.13	1.42 ±0.11	1.44 ±0.12
목심살	2.61 ±0.10	2.62 ±0.30	2.61 ±0.33	2.57 ±0.31	2.61 ±0.32	2.69 ±0.32	2.61 ±0.31	2.54 ±0.30
꾸리살	0.43 ±0.02	0.45 ±0.03	0.44 ±0.04	0.45 ±0.04	0.46 ±0.05	0.47 ±0.05	0.46 ±0.04	0.43 ±0.04
부채살	0.64 ±0.06	0.68 ±0.06	0.67 ±0.08	0.67 ±0.06	0.67 ±0.07	0.69 ±0.07	0.68 ±0.06	0.65 ±0.06
앞다리살	1.64 ±0.04	1.76 ±0.10	1.76 ±0.17	1.73 ±0.12	1.80 ±0.13	1.86 ±0.12	1.77 ±0.13	1.70 ±0.12
갈비덧살	0.28 ±0.01	0.32 ±0.06	0.30 ±0.07	0.30 ±0.06	0.32 ±0.06	0.33 ±0.06	0.32 ±0.07	0.29 ±0.05
부채덮개살	0.28 ±0.03	0.32 ±0.03	0.32 ±0.04	0.34 ±0.03	0.37 ±0.03	0.36 ±0.04	0.35 ±0.04	0.32 ±0.03
우둔살	2.44 ±0.18	2.66 ±0.21	2.73 ±0.25	2.79 ±0.21	2.91 ±0.21	2.96 ±0.21	2.84 ±0.18	2.66 ±0.22
홍두깨살	0.62 ±0.04	0.66 ±0.09	0.64 ±0.08	0.67 ±0.08	0.70 ±0.08	0.72 ±0.09	0.67 ±0.07	0.65 ±0.08
보섭살	1.45 ±0.06	1.64 ±0.13	1.63 ±0.13	1.64 ±0.13	1.69 ±0.12	1.75 ±0.13	1.68 ±0.10	1.57 ±0.11
설깃살	1.78 ±0.11	1.96 ±0.18	1.94 ±0.15	1.95 ±0.13	1.99 ±0.13	2.05 ±0.12	1.98 ±0.13	1.90 ±0.14
설깃머리살	0.62 ±0.04	0.67 ±0.09	0.65 ±0.07	0.65 ±0.07	0.65 ±0.07	0.68 ±0.07	0.65 ±0.07	0.64 ±0.07
도가니살	1.43 ±0.02	1.62 ±0.13	1.60 ±0.14	1.65 ±0.13	1.66 ±0.15	1.73 ±0.15	1.67 ±0.12	1.56 ±0.12

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
삼각살	0.37 ±0.02	0.41 ±0.04	0.40 ±0.04	0.40 ±0.04	0.41 ±0.04	0.42 ±0.03	0.41 ±0.05	0.39 ±0.03
양지머리	2.30 ±0.20	2.44 ±0.18	2.44 ±0.25	2.47 ±0.29	2.49 ±0.22	2.53 ±0.27	2.44 ±0.22	2.44 ±0.26
차돌박이	0.99 ±0.15	0.98 ±0.14	1.01 ±0.13	1.09 ±0.19	1.00 ±0.17	1.08 ±0.16	1.02 ±0.17	1.03 ±0.16
업진살	1.51 ±0.30	1.52 ±0.20	1.47 ±0.17	1.41 ±0.18	1.39 ±0.14	1.38 ±0.19	1.41 ±0.13	1.48 ±0.19
업진안살	0.27 ±0.07	0.26 ±0.04	0.26 ±0.04	0.27 ±0.04	0.27 ±0.03	0.27 ±0.04	0.26 ±0.03	0.26 ±0.04
치마양지	1.81 ±0.08	1.81 ±0.19	1.74 ±0.23	1.69 ±0.15	1.71 ±0.16	1.76 ±0.17	1.70 ±0.19	1.73 ±0.17
치마살	0.54 ±0.02	0.55 ±0.04	0.53 ±0.05	0.52 ±0.04	0.5 3±0.03	0.54 ±0.03	0.53 ±0.04	0.53 ±0.05
앞치마살	0.43 ±0.04	0.39 ±0.07	0.37 ±0.06	0.37 ±0.05	0.36 ±0.05	0.38 ±0.06	0.36 ±0.05	0.37 ±0.05
앞사태	0.96 ±0.07	1.02 ±0.08	1.04 ±0.09	1.06 ±0.08	1.10 ±0.08	1.10 ±0.08	1.08 ±0.08	1.02 ±0.08
뒷사태	1.08 ±0.01	1.21 ±0.13	1.24 ±0.12	1.26 ±0.09	1.31 ±0.11	1.34 ±0.13	1.28 ±0.09	1.20 ±0.09
뭉치사태	0.53 ±0.01	0.59 ±0.07	0.61 ±0.06	0.63 ±0.06	0.66 ±0.06	0.68 ±0.07	0.63 ±0.06	0.59 ±0.05
아롱사태	0.09 ±0.00	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.02	0.11 ±0.02	0.10 ±0.01	0.09 ±0.01
상박살	0.16 ±0.01	0.18 ±0.02	0.18 ±0.02	0.19 ±0.02	0.19 ±0.02	0.19 ±0.02	0.19 ±0.01	0.18 ±0.02
본갈비	1.03 ±0.03	0.96 ±0.11	0.92 ±0.10	0.94 ±0.11	0.93 ±0.10	0.97 ±0.10	0.95 ±0.10	0.91 ±0.11
꽃갈비	1.63 ±0.06	1.44 ±0.12	1.42 ±0.12	1.41 ±0.12	1.40 ±0.12	1.42 ±0.10	1.44 ±0.12	1.40 ±0.13
참갈비	1.39 ±0.16	1.34 ±0.17	1.30 ±0.19	1.30 ±0.14	1.26 ±0.12	1.25 ±0.11	1.32 ±0.18	1.30 ±0.14
갈비살	2.92 ±0.20	2.69 ±0.25	2.58 ±0.23	2.55 ±0.23	2.44 ±0.23	2.51 ±0.23	2.55 ±0.25	2.57 ±0.26
마구리	1.12 ±0.26	1.14 ±0.22	1.17 ±0.19	1.26 ±0.26	1.41 ±0.32	1.29 ±0.28	1.27 ±0.30	1.25 ±0.26
토시살	0.15 ±0.03	0.15 ±0.02	0.14 ±0.02	0.14 ±0.01	0.15 ±0.02	0.15 ±0.02	0.14 ±0.01	0.14 ±0.02
안창살	0.23 ±0.04	0.26 ±0.02	0.24 ±0.02	0.24 ±0.03	0.23 ±0.03	0.25 ±0.03	0.24 ±0.03	0.24 ±0.03
제비추리	0.11 ±0.02	0.12 ±0.02	0.11 ±0.02	0.12 ±0.01	0.13 ±0.02	0.12 ±0.02	0.12 ±0.02	0.12 ±0.02

*평균±표준편차

표 142 한우 수소의 도체등급에 따른 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중 (kg)	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
거래정육중 (소분할, kg)	262.02 ±52.65	256.23 ±53.34	263.96 ±47.92	231.95 ±69.89	181.29 ±5.86
안심살	1.04 ±0.05	1.09 ±0.08	1.09 ±0.07	1.05 ±0.11	1.03 ±0.03
윗등심살	2.55 ±0.37	2.67 ±0.30	2.68 ±0.32	2.49 ±0.31	2.63 ±0.20
꽃등심살	1.63 ±0.13	1.65 ±0.13	1.65 ±0.13	1.60 ±0.13	1.70 ±0.06
아래등심살	1.10 ±0.14	1.11 ±0.09	1.12 ±0.09	1.02 ±0.07	1.04 ±0.23
살치살	0.60 ±0.12	0.65 ±0.10	0.65 ±0.11	0.63 ±0.11	0.54 ±0.17
채끝살	1.32 ±0.08	1.36 ±0.10	1.37 ±0.10	1.31 ±0.07	1.29 ±0.09
목심살	3.84 ±0.79	4.34 ±0.64	4.32 ±0.71	4.00 ±0.58	3.83 ±0.23
꾸리살	0.49 ±0.05	0.51 ±0.04	0.51 ±0.04	0.51 ±0.04	0.56 ±0.04
부채살	0.70 ±0.10	0.73 ±0.06	0.72 ±0.07	0.75 ±0.09	0.72 ±0.07
앞다리살	2.10 ±0.19	2.23 ±0.18	2.21 ±0.18	2.18 ±0.25	2.11 ±0.09
갈비덧살	0.33 ±0.07	0.39 ±0.07	0.38 ±0.07	0.38 ±0.09	0.32 ±0.08
부채덮개살	0.42 ±0.08	0.46 ±0.06	0.46 ±0.07	0.43 ±0.06	0.45 ±0.01
우둔살	2.89 ±0.23	2.96 ±0.26	2.98 ±0.22	2.83 ±0.36	2.65 ±0.31
홍두깨살	0.74 ±0.08	0.77 ±0.11	0.77 ±0.09	0.78 ±0.15	0.65 ±0.11
보섭살	1.75 ±0.19	1.77 ±0.16	1.79 ±0.14	1.69 ±0.20	1.50 ±0.09
설깃살	2.06 ±0.16	2.13 ±0.19	2.14 ±0.16	2.03 ±0.24	1.81 ±0.29
설깃머리살	0.67 ±0.05	0.70 ±0.07	0.70 ±0.07	0.67 ±0.09	0.66 ±0.09
도가니살	1.74 ±0.14	1.72 ±0.13	1.73 ±0.12	1.73 ±0.17	1.51 ±0.06

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
삼각살	0.42 ±0.04	0.43 ±0.05	0.44 ±0.04	0.41 ±0.07	0.36 ±0.01
양지머리	2.96 ±0.38	3.08 ±0.35	3.06 ±0.37	3.07 ±0.32	2.93 ±0.06
차돌박이	0.99 ±0.19	1.04 ±0.13	1.05 ±0.12	0.94 ±0.19	0.95 ±0.11
업진살	1.40 ±0.18	1.44 ±0.14	1.44 ±0.14	1.38 ±0.20	1.47 ±0.13
업진안살	0.26 ±0.04	0.28 ±0.04	0.28 ±0.03	0.26 ±0.05	0.24 ±0.02
치마양지	1.74 ±0.18	1.77 ±0.16	1.76 ±0.17	1.78 ±0.12	1.63 ±0.04
치마살	0.55 ±0.05	0.56 ±0.06	0.56 ±0.06	0.55 ±0.05	0.50 ±0.02
앞치마살	0.35 ±0.04	0.39 ±0.04	0.38 ±0.04	0.37 ±0.05	0.36 ±0.03
앞사태	1.15 ±0.05	1.22 ±0.10	1.20 ±0.08	1.27 ±0.17	1.23 ±0.10
뒷사태	1.33 ±0.11	1.40 ±0.12	1.39 ±0.11	1.38 ±0.17	1.27 ±0.03
뭉치사태	0.66 ±0.06	0.69 ±0.07	0.69 ±0.06	0.67 ±0.08	0.61 ±0.01
아롱사태	0.11 ±0.02	0.11 ±0.01	0.11 ±0.01	0.11 ±0.02	0.10 ±0.00
상박살	0.20 ±0.02	0.21 ±0.02	0.21 ±0.02	0.22 ±0.03	0.21 ±0.02
본갈비	1.15 ±0.11	1.15 ±0.12	1.14 ±0.12	1.18 ±0.11	1.18 ±0.23
꽃갈비	1.50 ±0.10	1.55 ±0.14	1.54 ±0.14	1.49 ±0.11	1.63 ±0.06
참갈비	1.32 ±0.10	1.38 ±0.15	1.39 ±0.14	1.32 ±0.13	1.16 ±0.10
갈비살	2.83 ±0.19	2.80 ±0.28	2.82 ±0.27	2.69 ±0.16	2.66 ±0.14
마구리	1.28 ±0.16	1.41 ±0.17	1.37 ±0.13	1.41 ±0.26	1.91 ±0.19
토시살	0.15 ±0.02	0.15 ±0.01	0.15 ±0.02	0.15 ±0.01	0.14 ±0.00
안창살	0.23 ±0.02	0.24 ±0.03	0.23 ±0.03	0.24 ±0.02	0.22 ±0.00
제비추리	0.14 ±0.03	0.16 ±0.02	0.16 ±0.03	0.15 ±0.03	0.16 ±0.02

*평균±표준편차

표 143 한우 거세우의 도체등급에 따른 절식체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중 (kg)	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
거래정육중 (소분할, kg)	270.70 ±27.40	257.77 ±30.13	236.11 ±34.70	254.66 ±37.64	234.99 ±52.54	254.58 ±31.82	254.34 ±26.78
안심살	1.06 ±0.06	1.07 ±0.07	1.05 ±0.08	1.06 ±0.09	1.08 ±0.07	1.06 ±0.08	1.05 ±0.08
윗등심살	2.33 ±0.26	2.37 ±0.22	2.23 ±0.24	2.23 ±0.20	2.33 ±0.27	2.31 ±0.22	2.26 ±0.24
꽃등심살	1.55 ±0.18	1.52 ±0.13	1.46 ±0.15	1.43 ±0.16	1.54 ±0.13	1.50 ±0.16	1.46 ±0.15
아래등심살	1.09 ±0.12	1.10 ±0.11	1.05 ±0.14	1.02 ±0.14	1.10 ±0.12	1.09 ±0.13	1.03 ±0.13
살치살	0.61 ±0.09	0.64 ±0.09	0.61 ±0.09	0.61 ±0.09	0.63 ±0.08	0.62 ±0.10	0.62 ±0.09
채끝살	1.51 ±0.15	1.41 ±0.11	1.35 ±0.11	1.33 ±0.09	1.44 ±0.12	1.42 ±0.13	1.36 ±0.12
목심살	2.94 ±0.32	2.94 ±0.28	2.74 ±0.30	2.85 ±0.54	2.92 ±0.49	2.86 ±0.28	2.82 ±0.33
꾸리살	0.45 ±0.03	0.46 ±0.03	0.46 ±0.05	0.48 ±0.06	0.49 ±0.03	0.47 ±0.04	0.44 ±0.04
부채살	0.72 ±0.07	0.73 ±0.06	0.70 ±0.07	0.71 ±0.10	0.74 ±0.07	0.73 ±0.07	0.69 ±0.06
앞다리살	1.88 ±0.15	1.90 ±0.13	1.87 ±0.14	1.94 ±0.20	1.99 ±0.14	1.90 ±0.14	1.84 ±0.13
갈비덧살	0.31 ±0.06	0.33 ±0.06	0.34 ±0.06	0.34 ±0.07	0.36 ±0.05	0.33 ±0.07	0.32 ±0.06
부채덮개살	0.32 ±0.04	0.34 ±0.03	0.34 ±0.04	0.36 ±0.04	0.37 ±0.05	0.34 ±0.04	0.32 ±0.03
우둔살	2.56 ±0.18	2.64 ±0.15	2.63 ±0.22	2.68 ±0.26	2.76 ±0.20	2.63 ±0.19	2.58 ±0.18
홍두깨살	0.61 ±0.04	0.63 ±0.06	0.62 ±0.07	0.65 ±0.09	0.66 ±0.08	0.63 ±0.06	0.61 ±0.07
보섭살	1.56 ±0.10	1.59 ±0.10	1.58 ±0.13	1.59 ±0.16	1.68 ±0.13	1.59 ±0.11	1.54 ±0.11
설깃살	1.91 ±0.15	1.94 ±0.13	1.89 ±0.15	1.95 ±0.20	1.99 ±0.17	1.90 ±0.14	1.91 ±0.15
설깃머리살	0.69 ±0.08	0.67 ±0.07	0.64 ±0.08	0.66 ±0.07	0.67 ±0.10	0.66 ±0.07	0.66 ±0.08
도가니살	1.61 ±0.09	1.64 ±0.10	1.64 ±0.14	1.64 ±0.16	1.74 ±0.12	1.66 ±0.11	1.58 ±0.11

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
삼각살	0.40 ±0.04	0.40 ±0.04	0.38 ±0.04	0.40 ±0.05	0.40 ±0.05	0.40 ±0.04	0.38 ±0.04
양지머리	2.61 ±0.29	2.60 ±0.31	2.51 ±0.32	2.75 ±0.33	2.64 ±0.17	2.66 ±0.32	2.50 ±0.35
차돌박이	0.99 ±0.14	1.00 ±0.19	1.00 ±0.18	0.98 ±0.16	0.98 ±0.15	1.02 ±0.19	0.98 ±0.17
업진살	1.55 ±0.21	1.50 ±0.19	1.43 ±0.20	1.47 ±0.19	1.39 ±0.17	1.48 ±0.19	1.51 ±0.21
업진안살	0.25 ±0.05	0.23 ±0.04	0.22 ±0.04	0.25 ±0.05	0.23 ±0.03	0.24 ±0.04	0.23 ±0.04
치마양지	1.92 ±0.19	1.87 ±0.18	1.81 ±0.20	1.80 ±0.22	1.86 ±0.20	1.84 ±0.18	1.85 ±0.22
치마살	0.60 ±0.04	0.57 ±0.06	0.56 ±0.07	0.55 ±0.07	0.58 ±0.06	0.58 ±0.05	0.56 ±0.08
앞치마살	0.44 ±0.06	0.40 ±0.05	0.39 ±0.05	0.38 ±0.04	0.39 ±0.06	0.40 ±0.05	0.40 ±0.06
앞사태	1.06 ±0.08	1.08 ±0.07	1.08 ±0.09	1.14 ±0.12	1.14 ±0.06	1.10 ±0.10	1.05 ±0.07
뒷사태	1.20 ±0.08	1.22 ±0.08	1.23 ±0.10	1.27 ±0.13	1.29 ±0.11	1.24 ±0.09	1.19 ±0.09
뭉치사태	0.58 ±0.04	0.59 ±0.05	0.60 ±0.05	0.62 ±0.07	0.63 ±0.05	0.60 ±0.05	0.58 ±0.05
아롱사태	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.10 ±0.01	0.11 ±0.01	0.10 ±0.01	0.10 ±0.01
상박살	0.18 ±0.02	0.19 ±0.02	0.19 ±0.02	0.20 ±0.02	0.20 ±0.02	0.19 ±0.02	0.18 ±0.02
본갈비	1.00 ±0.07	1.07 ±0.09	1.00 ±0.10	1.01 ±0.11	1.08 ±0.11	1.03 ±0.10	1.00 ±0.09
꽃갈비	1.56 ±0.08	1.54 ±0.13	1.47 ±0.11	1.55 ±0.14	1.50 ±0.11	1.54 ±0.12	1.51 ±0.13
참갈비	1.46 ±0.17	1.44 ±0.19	1.41 ±0.17	1.48 ±0.27	1.43 ±0.18	1.44 ±0.17	1.43 ±0.22
갈비살	2.91 ±0.10	2.88 ±0.25	2.75 ±0.22	2.84 ±0.29	2.82 ±0.24	2.87 ±0.20	2.80 ±0.25
마구리	1.21 ±0.27	1.15 ±0.21	1.20 ±0.21	1.21 ±0.21	1.26 ±0.20	1.23 ±0.21	1.12 ±0.22
토시살	0.15 ±0.01	0.15 ±0.01	0.14 ±0.01	0.15 ±0.02	0.15 ±0.02	0.15 ±0.01	0.14 ±0.01
안창살	0.25 ±0.03	0.24 ±0.03	0.23 ±0.02	0.24 ±0.03	0.24 ±0.03	0.24 ±0.02	0.24 ±0.02
제비추리	0.12 ±0.02	0.12 ±0.01	0.12 ±0.02	0.12 ±0.02	0.13 ±0.02	0.12 ±0.02	0.12 ±0.02

*평균±표준편차

표 144 한우의 도체등급에 따른 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중 (kg)	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
거래정육중 (소분할, kg)	267.22 ±28.33	244.93 ±36.18	228.19 ±35.50	223.27 ±45.06	230.90 ±53.71	238.72 ±53.19	228.17 ±44.63	234.43 ±34.68
안심살	1.67 ±0.10	1.72 ±0.14	1.71 ±0.14	1.75 ±0.14	1.81 ±0.13	1.81 ±0.12	1.76 ±0.14	1.67 ±0.13
윗등심살	3.66 ±0.40	3.72 ±0.39	3.60 ±0.40	3.60 ±0.48	4.03 ±0.62	4.10 ±0.56	3.66 ±0.37	3.51 ±0.43
꽃등심살	2.43 ±0.24	2.43 ±0.23	2.38 ±0.25	2.42 ±0.24	2.57 ±0.26	2.63 ±0.23	2.41 ±0.22	2.34 ±0.23
아래등심살	1.72 ±0.17	1.77 ±0.20	1.73 ±0.22	1.77 ±0.22	1.80 ±0.16	1.85 ±0.16	1.77 ±0.20	1.69 ±0.20
살치살	0.98 ±0.14	1.03 ±0.15	1.00 ±0.16	0.98 ±0.15	1.03 ±0.16	1.06 ±0.15	1.00 ±0.16	0.97 ±0.16
채끝살	2.40 ±0.18	2.31 ±0.19	2.25 ±0.21	2.28 ±0.18	2.31 ±0.18	2.32 ±0.19	2.32 ±0.18	2.24 ±0.20
목심살	4.58 ±0.46	4.56 ±0.47	4.36 ±0.49	4.64 ±1.03	6.04 ±1.57	5.94 ±1.52	4.65 ±0.76	4.33 ±0.60
꾸리살	0.70 ±0.06	0.73 ±0.06	0.73 ±0.08	0.77 ±0.09	0.82 ±0.08	0.82 ±0.07	0.77 ±0.08	0.71 ±0.07
부채살	1.12 ±0.12	1.14 ±0.10	1.12 ±0.13	1.13 ±0.13	1.17 ±0.11	1.18 ±0.10	1.17 ±0.12	1.08 ±0.11
앞다리살	2.93 ±0.26	2.98 ±0.23	2.98 ±0.26	3.03 ±0.35	3.41 ±0.39	3.43 ±0.32	3.07 ±0.30	2.86 ±0.24
갈비덧살	0.49 ±0.08	0.53 ±0.09	0.53 ±0.11	0.52 ±0.10	0.60 ±0.12	0.61 ±0.10	0.54 ±0.11	0.49 ±0.09
부채덮개살	0.50 ±0.07	0.54 ±0.05	0.54 ±0.07	0.59 ±0.09	0.70 ±0.11	0.69 ±0.12	0.58 ±0.08	0.52 ±0.07
우둔살	4.04 ±0.31	4.24 ±0.29	4.34 ±0.42	4.61 ±0.45	4.89 ±0.41	4.85 ±0.39	4.52 ±0.46	4.21 ±0.39
홍두깨살	0.98 ±0.06	1.02 ±0.12	1.02 ±0.13	1.12 ±0.15	1.24 ±0.16	1.21 ±0.16	1.08 ±0.15	1.02 ±0.13
보섭살	2.46 ±0.16	2.56 ±0.20	2.60 ±0.24	2.73 ±0.29	2.89 ±0.23	2.90 ±0.22	2.69 ±0.24	2.50 ±0.20
설깃살	3.01 ±0.24	3.11 ±0.24	3.11 ±0.28	3.25 ±0.29	3.45 ±0.28	3.45 ±0.25	3.20 ±0.29	3.06 ±0.26
설깃머리살	1.08 ±0.13	1.07 ±0.12	1.05 ±0.13	1.08 ±0.12	1.13 ±0.12	1.14 ±0.12	1.08 ±0.12	1.04 ±0.12
도가니살	2.51 ±0.19	2.62 ±0.20	2.65 ±0.26	2.75 ±0.29	2.82 ±0.24	2.87 ±0.22	2.74 ±0.25	2.53 ±0.21

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
삼각살	0.63 ±0.06	0.64 ±0.06	0.64 ±0.06	0.67 ±0.08	0.71 ±0.08	0.71 ±0.07	0.66 ±0.08	0.62 ±0.06
양지머리	4.08 ±0.46	4.09 ±0.45	4.05 ±0.50	4.29 ±0.58	4.71 ±0.62	4.68 ±0.59	4.26 ±0.52	3.99 ±0.51
차돌박이	1.57 ±0.22	1.59 ±0.28	1.63 ±0.26	1.74 ±0.32	1.71 ±0.24	1.73 ±0.24	1.66 ±0.30	1.61 ±0.27
업진살	2.45 ±0.30	2.41 ±0.28	2.34 ±0.29	2.34 ±0.26	2.36 ±0.21	2.33 ±0.24	2.36 ±0.25	2.40 ±0.29
업진안살	0.40 ±0.08	0.39 ±0.07	0.38 ±0.07	0.43 ±0.07	0.46 ±0.06	0.45 ±0.07	0.42 ±0.07	0.39 ±0.08
치마양지	3.02 ±0.27	2.97 ±0.33	2.90 ±0.35	2.85 ±0.29	2.90 ±0.26	2.95 ±0.28	2.91 ±0.30	2.87 ±0.33
치마살	0.94 ±0.06	0.90 ±0.10	0.89 ±0.11	0.88 ±0.08	0.91 ±0.08	0.93 ±0.08	0.91 ±0.08	0.87 ±0.10
앞치마살	0.69 ±0.08	0.64 ±0.10	0.6 2±0.09	0.61 ±0.07	0.62 ±0.07	0.63 ±0.08	0.63 ±0.08	0.62 ±0.09
앞사태	1.66 ±0.13	1.70 ±0.14	1.73 ±0.15	1.81 ±0.17	1.95 ±0.18	1.92 ±0.13	1.81 ±0.20	1.67 ±0.14
뒷사태	1.88 ±0.14	1.94 ±0.16	2.01 ±0.19	2.11 ±0.19	2.27 ±0.21	2.25 ±0.20	2.09 ±0.20	1.93 ±0.16
뭉치사태	0.91 ±0.07	0.95 ±0.09	0.99 ±0.10	1.04 ±0.11	1.12 ±0.11	1.12 ±0.11	1.02 ±0.11	0.95 ±0.09
아롱사태	0.16 ±0.02	0.16 ±0.02	0.16 ±0.02	0.17 ±0.02	0.18 ±0.02	0.18 ±0.02	0.17 ±0.02	0.16 ±0.02
상박살	0.29 ±0.03	0.30 ±0.03	0.30 ±0.03	0.31 ±0.04	0.34 ±0.04	0.33 ±0.03	0.31 ±0.04	0.29 ±0.03
본갈비	1.59 ±0.12	1.66 ±0.18	1.58 ±0.19	1.62 ±0.23	1.76 ±0.25	1.79 ±0.21	1.65 ±0.19	1.54 ±0.19
꽃갈비	2.49 ±0.15	2.42 ±0.18	2.37 ±0.19	2.40 ±0.23	2.47 ±0.22	2.48 ±0.19	2.45 ±0.20	2.35 ±0.21
참갈비	2.30 ±0.29	2.26 ±0.30	2.24 ±0.32	2.22 ±0.31	2.21 ±0.22	2.25 ±0.24	2.26 ±0.30	2.20 ±0.31
갈비살	4.63 ±0.27	4.53 ±0.39	4.39 ±0.41	4.38 ±0.47	4.40 ±0.45	4.53 ±0.43	4.45 ±0.40	4.33 ±0.43
마구리	1.90 ±0.42	1.83 ±0.32	1.93 ±0.34	2.07 ±0.39	2.35 ±0.43	2.19 ±0.34	2.07 ±0.45	1.92 ±0.44
토시살	0.24 ±0.03	0.24 ±0.03	0.23 ±0.02	0.24 ±0.02	0.25 ±0.03	0.25 ±0.03	0.24 ±0.03	0.23 ±0.03
안창살	0.39 ±0.05	0.39 ±0.04	0.39 ±0.04	0.40 ±0.05	0.39 ±0.05	0.40 ±0.05	0.40 ±0.05	0.38 ±0.04
제비추리	0.19 ±0.02	0.19 ±0.03	0.19 ±0.03	0.20 ±0.03	0.24 ±0.04	0.24 ±0.04	0.20 ±0.03	0.19 ±0.03

*평균±표준편차

표 145 한우 암소의 도체등급에 따른 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중 (kg)	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
거래정육중 (소분할, kg)	245.20 ±28.74	208.12 ±25.46	212.04 ±29.61	204.62 ±33.85	193.26 ±24.30	191.12 ±22.41	199.99 ±33.23	214.91 ±28.28
안심살	1.60 ±0.09	1.75 ±0.17	1.74 ±0.14	1.77 ±0.14	1.85 ±0.15	1.90 ±0.13	1.81 ±0.12	1.68 ±0.13
윗등심살	3.53 ±0.15	3.57 ±0.39	3.55 ±0.35	3.45 ±0.31	3.49 ±0.37	3.69 ±0.33	3.53 ±0.28	3.38 ±0.35
꽃등심살	2.27 ±0.16	2.46 ±0.27	2.41 ±0.24	2.40 ±0.18	2.37 ±0.19	2.53 ±0.20	2.38 ±0.16	2.35 ±0.22
아래등심살	1.75 ±0.10	1.83 ±0.23	1.79 ±0.17	1.79 ±0.19	1.77 ±0.17	1.89 ±0.13	1.80 ±0.19	1.73 ±0.18
살치살	1.02 ±0.06	1.02 ±0.17	1.00 ±0.16	0.98 ±0.14	0.97 ±0.16	1.06 ±0.13	0.99 ±0.14	0.95 ±0.16
채끝살	2.52 ±0.02	2.47 ±0.20	2.38 ±0.17	2.33 ±0.17	2.41 ±0.16	2.45 ±0.18	2.39 ±0.16	2.35 ±0.18
목심살	4.22 ±0.16	4.24 ±0.49	4.28 ±0.50	4.27 ±0.52	4.42 ±0.56	4.53 ±0.54	4.37 ±0.48	4.14 ±0.48
꾸리살	0.69 ±0.04	0.73 ±0.06	0.73 ±0.07	0.76 ±0.08	0.78 ±0.09	0.80 ±0.07	0.77 ±0.08	0.71 ±0.06
부채살	1.03 ±0.10	1.10 ±0.11	1.10 ±0.13	1.11 ±0.11	1.14 ±0.13	1.16 ±0.11	1.15 ±0.11	1.06 ±0.11
앞다리살	2.65 ±0.08	2.84 ±0.23	2.90 ±0.28	2.89 ±0.22	3.04 ±0.23	3.13 ±0.16	2.97 ±0.22	2.77 ±0.21
갈비덧살	0.45 ±0.02	0.52 ±0.09	0.50 ±0.11	0.50 ±0.09	0.54 ±0.11	0.56 ±0.09	0.54 ±0.11	0.47 ±0.08
부채덮개살	0.45 ±0.05	0.52 ±0.06	0.53 ±0.07	0.56 ±0.06	0.62 ±0.07	0.61 ±0.07	0.59 ±0.07	0.52 ±0.06
우둔살	3.94 ±0.30	4.31 ±0.38	4.49 ±0.41	4.65 ±0.42	4.92 ±0.40	4.99 ±0.31	4.78 ±0.38	4.34 ±0.40
홍두깨살	1.01 ±0.06	1.08 ±0.17	1.05 ±0.14	1.11 ±0.13	1.19 ±0.13	1.21 ±0.14	1.12 ±0.12	1.06 ±0.14
보섭살	2.33 ±0.09	2.65 ±0.24	2.68 ±0.23	2.74 ±0.26	2.86 ±0.23	2.94 ±0.18	2.82 ±0.22	2.56 ±0.20
설깃살	2.88 ±0.19	3.18 ±0.33	3.19 ±0.26	3.25 ±0.26	3.37 ±0.25	3.45 ±0.17	3.32 ±0.25	3.10 ±0.26
설깃머리살	1.00 ±0.06	1.09 ±0.15	1.07 ±0.13	1.08 ±0.12	1.11 ±0.12	1.14 ±0.11	1.10 ±0.12	1.04 ±0.11
도가니살	2.31 ±0.04	2.62 ±0.22	2.64 ±0.26	2.75 ±0.28	2.82 ±0.27	2.91 ±0.22	2.80 ±0.25	2.55 ±0.23

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
삼각살	0.60 ±0.04	0.66 ±0.07	0.66 ±0.06	0.67 ±0.07	0.70 ±0.08	0.71 ±0.05	0.69 ±0.08	0.64 ±0.06
양지머리	3.72 ±0.34	3.95 ±0.32	4.01 ±0.40	4.10 ±0.48	4.20 ±0.37	4.27 ±0.44	4.10 ±0.37	3.98 ±0.43
차돌박이	1.60 ±0.25	1.59 ±0.19	1.67 ±0.22	1.81 ±0.31	1.70 ±0.29	1.83 ±0.27	1.70 ±0.29	1.67 ±0.27
업진살	2.44 ±0.48	2.47 ±0.32	2.41 ±0.25	2.34 ±0.25	2.35 ±0.21	2.31 ±0.27	2.36 ±0.19	2.42 ±0.29
업진안살	0.44 ±0.12	0.43 ±0.07	0.42 ±0.07	0.44 ±0.06	0.45 ±0.06	0.45 ±0.07	0.44 ±0.06	0.43 ±0.07
치마양지	2.92 ±0.13	2.94 ±0.38	2.85 ±0.36	2.81 ±0.24	2.90 ±0.30	2.96 ±0.32	2.84 ±0.31	2.83 ±0.28
치마살	0.87 ±0.03	0.89 ±0.08	0.87 ±0.08	0.87 ±0.07	0.90 ±0.07	0.91 ±0.06	0.88 ±0.07	0.86 ±0.08
앞치마살	0.69 ±0.07	0.63 ±0.12	0.61 ±0.10	0.61 ±0.07	0.60 ±0.08	0.63 ±0.10	0.61 ±0.08	0.61 ±0.08
앞사태	1.55 ±0.11	1.64 ±0.13	1.70 ±0.15	1.77 ±0.16	1.86 ±0.15	1.86 ±0.12	1.81 ±0.16	1.67 ±0.14
뒷사태	1.75 ±0.03	1.96 ±0.21	2.04 ±0.19	2.10 ±0.17	2.22 ±0.20	2.26 ±0.18	2.15 ±0.18	1.96 ±0.16
뭉치사태	0.85 ±0.03	0.96 ±0.12	1.01 ±0.09	1.04 ±0.10	1.11 ±0.11	1.14 ±0.10	1.06 ±0.10	0.97 ±0.09
아롱사태	0.14 ±0.00	0.16 ±0.02	0.16 ±0.02	0.17 ±0.02	0.17 ±0.03	0.18 ±0.03	0.17 ±0.02	0.15 ±0.02
상박살	0.26 ±0.01	0.29 ±0.03	0.29 ±0.03	0.31 ±0.03	0.32 ±0.03	0.32 ±0.03	0.31 ±0.03	0.29 ±0.03
본갈비	1.66 ±0.04	1.55 ±0.18	1.51 ±0.18	1.56 ±0.21	1.57 ±0.19	1.63 ±0.18	1.60 ±0.18	1.48 ±0.18
꽃갈비	2.63 ±0.09	2.33 ±0.15	2.33 ±0.19	2.35 ±0.22	2.36 ±0.21	2.39 ±0.16	2.41 ±0.21	2.29 ±0.20
참갈비	2.24 ±0.26	2.17 ±0.26	2.13 ±0.31	2.17 ±0.25	2.13 ±0.21	2.11 ±0.19	2.21 ±0.31	2.12 ±0.22
갈비살	4.72 ±0.31	4.34 ±0.34	4.25 ±0.39	4.24 ±0.41	4.12 ±0.38	4.23 ±0.38	4.27 ±0.40	4.19 ±0.39
마구리	1.80 ±0.42	1.84 ±0.33	1.93 ±0.32	2.09 ±0.42	2.38 ±0.55	2.18 ±0.47	2.13 ±0.52	2.03 ±0.42
토시살	0.24 ±0.05	0.24 ±0.03	0.24 ±0.02	0.23 ±0.02	0.25 ±0.04	0.25 ±0.03	0.24 ±0.03	0.23 ±0.03
안창살	0.38 ±0.07	0.42 ±0.04	0.40 ±0.04	0.40 ±0.05	0.39 ±0.06	0.42 ±0.05	0.41 ±0.05	0.39 ±0.04
제비추리	0.18 ±0.03	0.20 ±0.03	0.19 ±0.03	0.20 ±0.02	0.22 ±0.03	0.21 ±0.03	0.20 ±0.03	0.19 ±0.03

*평균±표준편차

표 146 한우 수소의 도체등급에 따른 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중 (kg)	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
거래정육중 (소분할, kg)	262.02 ±52.65	256.23 ±53.34	263.96 ±47.92	231.95 ±69.89	181.29 ±5.86
안심살	1.72 ±0.09	1.79 ±0.11	1.78 ±0.10	1.75 ±0.19	1.76 ±0.03
윗등심살	4.25 ±0.71	4.40 ±0.47	4.41 ±0.52	4.12 ±0.45	4.49 ±0.42
꽃등심살	2.70 ±0.22	2.71 ±0.22	2.71 ±0.22	2.65 ±0.21	2.91 ±0.15
아래등심살	1.82 ±0.24	1.82 ±0.14	1.84 ±0.15	1.68 ±0.11	1.77 ±0.37
살치살	0.99 ±0.21	1.07 ±0.16	1.07 ±0.17	1.03 ±0.16	0.93 ±0.27
채끝살	2.20 ±0.14	2.24 ±0.16	2.24 ±0.16	2.18 ±0.12	2.21 ±0.11
목심살	6.36 ±1.23	7.13 ±0.97	7.08 ±1.08	6.61 ±0.84	6.55 ±0.50
꾸리살	0.82 ±0.09	0.85 ±0.07	0.84 ±0.07	0.85 ±0.08	0.95 ±0.05
부채살	1.16 ±0.17	1.19 ±0.09	1.18 ±0.10	1.24 ±0.15	1.22 ±0.10
앞다리살	3.49 ±0.33	3.66 ±0.27	3.64 ±0.27	3.62 ±0.41	3.61 ±0.10
갈비덧살	0.54 ±0.12	0.64 ±0.11	0.63 ±0.11	0.63 ±0.15	0.54 ±0.12
부채덮개살	0.69 ±0.14	0.76 ±0.09	0.76 ±0.11	0.72 ±0.10	0.77 ±0.02
우둔살	4.81 ±0.40	4.87 ±0.43	4.90 ±0.38	4.70 ±0.58	4.53 ±0.61
홍두깨살	1.22 ±0.13	1.27 ±0.17	1.26 ±0.15	1.30 ±0.25	1.12 ±0.20
보섭살	2.90 ±0.30	2.91 ±0.23	2.93 ±0.22	2.80 ±0.31	2.57 ±0.21
설깃살	3.41 ±0.23	3.50 ±0.29	3.52 ±0.24	3.37 ±0.39	3.10 ±0.55
설깃머리살	1.12 ±0.07	1.15 ±0.12	1.15 ±0.11	1.10 ±0.15	1.14 ±0.17
도가니살	2.90 ±0.27	2.83 ±0.22	2.84 ±0.22	2.87 ±0.30	2.58 ±0.14

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
삼각살	0.70 ±0.07	0.71 ±0.07	0.72 ±0.07	0.69 ±0.10	0.62 ±0.02
양지머리	4.91 ±0.50	5.06 ±0.51	5.02 ±0.53	5.08 ±0.48	5.00 ±0.01
차돌박이	1.65 ±0.31	1.72 ±0.19	1.73 ±0.19	1.56 ±0.31	1.63 ±0.21
업진살	2.32 ±0.32	2.36 ±0.22	2.36 ±0.22	2.28 ±0.35	2.51 ±0.18
업진안살	0.44 ±0.07	0.46 ±0.06	0.46 ±0.05	0.43 ±0.09	0.40 ±0.02
치마양지	2.89 ±0.25	2.90 ±0.22	2.90 ±0.24	2.95 ±0.17	2.79 ±0.11
치마살	0.91 ±0.06	0.92 ±0.09	0.92 ±0.09	0.91 ±0.08	0.86 ±0.02
앞치마살	0.58 ±0.06	0.63 ±0.06	0.63 ±0.06	0.61 ±0.09	0.61 ±0.06
앞사태	1.91 ±0.10	2.01 ±0.18	1.97 ±0.13	2.11 ±0.31	2.10 ±0.14
뒷사태	2.21 ±0.19	2.30 ±0.21	2.29 ±0.20	2.29 ±0.30	2.18 ±0.01
뭉치사태	1.10 ±0.10	1.13 ±0.11	1.13 ±0.11	1.11 ±0.14	1.05 ±0.04
아롱사태	0.18 ±0.03	0.19 ±0.02	0.19 ±0.02	0.18 ±0.03	0.17 ±0.00
상박살	0.33 ±0.04	0.35 ±0.03	0.34 ±0.03	0.36 ±0.06	0.37 ±0.02
본갈비	1.91 ±0.18	1.89 ±0.20	1.88 ±0.19	1.95 ±0.16	2.03 ±0.42
꽃갈비	2.49 ±0.21	2.54 ±0.19	2.53 ±0.19	2.47 ±0.19	2.79 ±0.15
참갈비	2.19 ±0.19	2.27 ±0.22	2.28 ±0.21	2.18 ±0.19	1.99 ±0.13
갈비살	4.70 ±0.36	4.59 ±0.39	4.64 ±0.40	4.46 ±0.21	4.55 ±0.31
마구리	2.13 ±0.32	2.33 ±0.33	2.25 ±0.25	2.35 ±0.46	3.27 ±0.26
토시살	0.24 ±0.03	0.25 ±0.02	0.25 ±0.03	0.25 ±0.01	0.23 ±0.00
안창살	0.38 ±0.04	0.39 ±0.05	0.38 ±0.05	0.39 ±0.03	0.38 ±0.01
제비추리	0.24 ±0.05	0.26 ±0.04	0.26 ±0.04	0.25 ±0.05	0.28 ±0.04

*평균±표준편차

표 147 한우 거세우의 도체등급에 따른 냉도체중 대비 소분할 39개 부위 생산율(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±10234	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중 (kg)	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
거래정육중 (소분할, kg)	270.70 ±27.40	257.77 ±30.13	236.11 ±34.70	254.66 ±37.64	234.99 ±52.54	254.58 ±31.82	254.34 ±26.78
안심살	1.68 ±0.10	1.71 ±0.13	1.69 ±0.14	1.73 ±0.17	1.78 ±0.11	1.71 ±0.13	1.65 ±0.13
윗등심살	3.68 ±0.43	3.78 ±0.38	3.60 ±0.39	3.62 ±0.39	3.84 ±0.39	3.72 ±0.37	3.58 ±0.40
꽃등심살	2.45 ±0.25	2.42 ±0.22	2.36 ±0.25	2.32 ±0.28	2.54 ±0.20	2.41 ±0.25	2.31 ±0.23
아래등심살	1.72 ±0.18	1.75 ±0.19	1.69 ±0.24	1.66 ±0.26	1.81 ±0.20	1.76 ±0.21	1.63 ±0.21
살치살	0.97 ±0.15	1.03 ±0.15	0.99 ±0.16	0.99 ±0.16	1.04 ±0.12	1.01 ±0.17	0.97 ±0.14
채끝살	2.38 ±0.19	2.25 ±0.16	2.19 ±0.19	2.16 ±0.17	2.36 ±0.18	2.28 ±0.18	2.14 ±0.16
목심살	4.64 ±0.46	4.67 ±0.42	4.42 ±0.47	4.64 ±0.92	4.80 ±0.76	4.60 ±0.42	4.46 ±0.51
꾸리살	0.70 ±0.06	0.74 ±0.06	0.74 ±0.08	0.78 ±0.10	0.80 ±0.05	0.75 ±0.07	0.70 ±0.06
부채살	1.13 ±0.12	1.16 ±0.09	1.13 ±0.12	1.16 ±0.17	1.21 ±0.11	1.18 ±0.12	1.09 ±0.10
앞다리살	2.98 ±0.25	3.02 ±0.22	3.02 ±0.24	3.16 ±0.37	3.27 ±0.22	3.07 ±0.24	2.91 ±0.21
갈비덧살	0.50 ±0.09	0.53 ±0.10	0.55 ±0.10	0.56 ±0.12	0.60 ±0.08	0.53 ±0.11	0.51 ±0.09
부채덮개살	0.51 ±0.07	0.55 ±0.05	0.55 ±0.08	0.59 ±0.07	0.61 ±0.08	0.56 ±0.06	0.51 ±0.05
우둔살	4.05 ±0.32	4.21 ±0.26	4.25 ±0.42	4.35 ±0.49	4.54 ±0.34	4.24 ±0.35	4.08 ±0.32
홍두깨살	0.97 ±0.06	1.00 ±0.09	1.00 ±0.12	1.06 ±0.16	1.09 ±0.13	1.01 ±0.09	0.97 ±0.10
보섭살	2.48 ±0.16	2.53 ±0.18	2.56 ±0.24	2.58 ±0.30	2.76 ±0.21	2.56 ±0.18	2.44 ±0.18
설깃살	3.03 ±0.24	3.09 ±0.20	3.06 ±0.27	3.17 ±0.38	3.27 ±0.27	3.06 ±0.24	3.02 ±0.24
설깃머리살	1.09 ±0.13	1.07 ±0.11	1.04 ±0.13	1.08 ±0.14	1.11 ±0.15	1.06 ±0.11	1.04 ±0.12
도가니살	2.55 ±0.18	2.62 ±0.19	2.66 ±0.27	2.67 ±0.32	2.87 ±0.21	2.67 ±0.21	2.50 ±0.19

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
삼각살	0.63 ±0.06	0.63 ±0.06	0.62 ±0.06	0.65 ±0.09	0.66 ±0.07	0.64 ±0.06	0.61 ±0.06
양지머리	4.14 ±0.46	4.14 ±0.49	4.05 ±0.53	4.46 ±0.60	4.34 ±0.28	4.29 ±0.53	3.95 ±0.53
차돌박이	1.56 ±0.23	1.60 ±0.31	1.61 ±0.29	1.58 ±0.28	1.62 ±0.26	1.64 ±0.30	1.54 ±0.27
업진살	2.45 ±0.28	2.39 ±0.27	2.30 ±0.30	2.38 ±0.27	2.29 ±0.26	2.37 ±0.28	2.38 ±0.30
업진안살	0.39 ±0.08	0.37 ±0.06	0.36 ±0.06	0.40 ±0.08	0.38 ±0.05	0.39 ±0.07	0.36 ±0.07
치마양지	3.04 ±0.28	2.98 ±0.31	2.93 ±0.35	2.94 ±0.43	3.06 ±0.30	2.97 ±0.30	2.92 ±0.37
치마살	0.95 ±0.06	0.91 ±0.10	0.90 ±0.12	0.90 ±0.13	0.96 ±0.08	0.93 ±0.09	0.88 ±0.12
앞치마살	0.69 ±0.09	0.64 ±0.09	0.63 ±0.08	0.61 ±0.07	0.65 ±0.09	0.65 ±0.07	0.63 ±0.09
앞사태	1.67 ±0.13	1.71 ±0.14	1.75 ±0.16	1.85 ±0.22	1.88 ±0.09	1.77 ±0.17	1.66 ±0.12
뒷사태	1.90 ±0.14	1.94 ±0.15	1.99 ±0.19	2.07 ±0.24	2.12 ±0.19	2.00 ±0.16	1.88 ±0.15
뭉치사태	0.92 ±0.07	0.94 ±0.08	0.98 ±0.10	1.00 ±0.12	1.04 ±0.09	0.97 ±0.09	0.92 ±0.08
아롱사태	0.16 ±0.01	0.17 ±0.02	0.17 ±0.02	0.17 ±0.02	0.17 ±0.02	0.17 ±0.02	0.16 ±0.02
상박살	0.29 ±0.04	0.30 ±0.03	0.30 ±0.03	0.32 ±0.04	0.33 ±0.03	0.31 ±0.03	0.29 ±0.03
본갈비	1.58 ±0.13	1.70 ±0.16	1.61 ±0.17	1.63 ±0.18	1.78 ±0.18	1.66 ±0.15	1.58 ±0.14
꽃갈비	2.47 ±0.15	2.45 ±0.18	2.38 ±0.19	2.51 ±0.23	2.47 ±0.15	2.48 ±0.18	2.38 ±0.19
참갈비	2.31 ±0.30	2.29 ±0.31	2.28 ±0.30	2.41 ±0.46	2.36 ±0.29	2.33 ±0.30	2.26 ±0.35
갈비살	4.61 ±0.27	4.59 ±0.39	4.44 ±0.36	4.61 ±0.52	4.64 ±0.37	4.63 ±0.34	4.43 ±0.41
마구리	1.91 ±0.43	1.83 ±0.32	1.93 ±0.35	1.96 ±0.32	2.07 ±0.34	1.97 ±0.33	1.76 ±0.33
토시살	0.24 ±0.03	0.24 ±0.02	0.23 ±0.02	0.24 ±0.03	0.25 ±0.02	0.24 ±0.02	0.23 ±0.03
안창살	0.39 ±0.05	0.38 ±0.04	0.38 ±0.04	0.40 ±0.05	0.39 ±0.05	0.39 ±0.04	0.37 ±0.04
제비추리	0.19 ±0.02	0.19 ±0.02	0.19 ±0.03	0.20 ±0.03	0.21 ±0.03	0.19 ±0.03	0.18 ±0.02

*평균±표준편차

여 백

도체규격

표 148 한우 냉도체 도체규격(단위: cm)

구분	출하체중구간(kg)											
	450 이하	451~500	501~550	551~600	601~650	651~700	701~750	751~800	801~850	851~900	900 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
전 장	232.50 ±6.03	230.60 ±5.19	239.73 ±4.47	243.29 ±5.93	248.20 ±6.67	251.11 ±6.73	258.03 ±7.75	262.91 ±7.49	271.55 ±6.85	275.25 ±9.55	279.80 ±7.21	255.50 ±14.05
전사분체장	102.25 ±2.06	100.10 ±4.41	105.09 ±3.95	106.84 ±3.95	109.07 ±4.34	110.23 ±3.99	112.08 ±4.52	115.15 ±4.33	117.88 ±4.38	121.25 ±6.89	119.20 ±3.22	111.70 ±6.69
후사분체장	132.50 ±3.70	133.70 ±3.40	137.91 ±2.79	139.68 ±3.71	142.29 ±4.15	143.71 ±3.54	147.98 ±5.14	149.29 ±4.51	154.53 ±4.62	153.60 ±4.97	157.60 ±4.90	145.85 ±7.37
경 장	41.00 ±1.83	39.70 ±1.42	41.89 ±1.79	42.29 ±1.90	43.41 ±2.11	43.59 ±1.86	43.93 ±2.31	45.22 ±2.00	46.53 ±2.03	47.10 ±2.47	47.50 ±1.72	44.11 ±2.70
흉 장	70.50 ±1.00	70.55 ±2.96	73.43 ±2.48	75.23 ±2.39	76.66 ±2.80	77.90 ±3.15	79.21 ±3.61	80.82 ±2.69	82.91 ±3.97	84.70 ±5.14	84.40 ±2.99	78.57 ±4.78
요 장	36.75 ±1.26	37.10 ±1.31	38.66 ±1.22	39.69 ±1.74	40.06 ±1.46	40.10 ±1.06	41.33 ±2.94	41.99 ±1.66	42.97 ±1.83	43.23 ±1.56	44.00 ±1.56	40.90 ±2.41
선 장	24.25 ±0.50	25.60 ±1.71	27.41 ±3.84	26.95 ±4.03	31.51 ±4.04	31.23 ±3.69	34.07 ±4.13	32.92 ±4.55	34.84 ±4.52	34.15 ±4.37	34.30 ±6.95	31.64 ±5.02
퇴 장	97.00 ±2.00	97.30 ±2.36	96.75 ±10.16	101.37 ±2.89	101.25 ±7.66	103.31 ±4.79	106.38 ±3.94	107.49 ±4.92	112.19 ±3.75	112.40 ±4.28	114.20 ±7.32	104.94 ±7.42
경 폭	66.50 ±4.20	68.20 ±2.97	69.73 ±3.18	73.39 ±2.64	74.45 ±2.63	76.40 ±2.76	79.64 ±3.11	81.69 ±2.84	84.52 ±3.50	85.83 ±3.33	90.00 ±4.50	78.05 ±6.20
흉 폭	69.25 ±1.50	71.10 ±3.63	73.05 ±2.36	74.90 ±2.81	75.91 ±2.59	78.11 ±3.01	80.98 ±5.32	81.96 ±3.33	84.00 ±2.77	85.30 ±2.15	87.90 ±4.15	79.09 ±5.44
요 폭	35.00 ±1.83	37.60 ±1.84	38.64 ±2.97	39.16 ±2.25	40.86 ±2.69	41.34 ±2.21	43.18 ±2.62	43.41 ±2.19	45.09 ±2.97	44.85 ±3.34	44.80 ±4.08	41.95 ±3.48
퇴 폭	36.75 ±3.30	41.70 ±3.13	41.14 ±3.37	42.77 ±2.87	44.30 ±2.97	45.74 ±3.58	47.53 ±3.62	48.37 ±3.82	50.03 ±3.61	49.70 ±3.88	50.80 ±3.65	46.14 ±4.57
흉 위	150.25 ±3.40	153.50 ±3.54	158.77 ±3.45	160.42 ±9.58	167.84 ±5.02	171.51 ±4.76	175.73 ±6.34	180.27 ±4.12	183.72 ±3.57	182.95 ±11.63	193.00 ±5.73	172.65 ±11.37
퇴 위	110.25 ±4.72	118.40 ±6.02	118.32 ±5.46	126.16 ±12.34	127.05 ±4.33	130.83 ±6.17	132.33 ±5.20	136.06 ±5.95	137.75 ±5.51	142.00 ±11.30	143.40 ±4.53	131.01 ±9.72
요 후	23.00 ±4.90	22.10 ±1.37	22.27 ±2.19	22.94 ±2.14	23.50 ±2.27	23.80 ±1.71	24.49 ±2.83	24.69 ±2.72	25.81 ±2.81	26.25 ±3.43	27.40 ±1.84	24.20 ±2.78
퇴 후	22.25 ±2.22	21.40 ±0.84	22.73 ±2.90	21.71 ±2.10	21.55 ±2.43	21.63 ±1.68	21.76 ±2.88	22.96 ±2.89	22.38 ±2.42	24.20 ±2.67	24.20 ±4.37	22.25 ±2.66
흉 후	17.75 ±1.71	18.20 ±1.99	17.59 ±1.05	18.58 ±1.84	18.64 ±1.89	18.91 ±2.02	19.58 ±2.31	20.39 ±2.69	20.41 ±2.45	20.70 ±3.03	20.80 ±2.25	19.35 ±2.39

*평균±표준편차

표 149 한우 암소 냉도체 도체규격(단위: cm)

구분	출하체중구간(kg)								
	500 이하	501~550	551~600	601~650	651~700	701~750	751~800	800 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
전 장	229.67 ±5.87	239.15 ±4.85	243.24 ±6.30	246.89 ±6.93	249.80 ±6.01	256.00 ±9.77	260.70 ±9.71	282.00 ±5.94	247.94 ±11.87
전사분체장	99.67 ±4.44	104.54 ±4.50	106.76 ±4.48	108.43 ±4.11	109.85 ±3.62	111.57 ±3.63	114.00 ±4.11	119.75 ±1.71	108.50 ±5.59
후사분체장	133.44 ±4.10	137.08 ±3.07	139.38 ±3.89	141.31 ±4.02	143.40 ±3.53	147.43 ±5.45	147.40 ±4.33	160.25 ±5.44	142.09 ±6.44
경 장	39.78 ±1.48	41.50 ±2.12	42.24 ±2.21	43.74 ±2.05	43.75 ±2.17	44.93 ±2.27	45.20 ±2.15	49.50 ±1.29	43.41 ±2.73
흉 장	70.72 ±3.04	73.00 ±2.57	75.40 ±2.61	76.61 ±2.82	77.63 ±2.30	79.00 ±2.75	81.00 ±2.67	86.00 ±1.83	76.69 ±3.99
요 장	37.17 ±1.41	38.88 ±1.06	39.88 ±1.99	40.01 ±1.34	40.03 ±1.01	40.46 ±2.58	41.90 ±1.37	44.25 ±1.50	40.01 ±2.00
선 장	25.33 ±1.58	28.69 ±4.57	27.52 ±4.06	32.07 ±3.57	32.60 ±3.49	33.07 ±4.48	34.50 ±3.24	33.75 ±5.56	30.92 ±4.59
퇴 장	97.22 ±2.49	93.46 ±12.24	101.14 ±2.99	99.80 ±9.28	104.45 ±2.80	106.43 ±3.80	107.00 ±3.06	116.50 ±4.51	101.76 ±8.12
경 폭	67.00 ±3.20	68.38 ±2.60	72.90 ±2.57	73.97 ±2.60	76.00 ±2.77	78.29 ±2.95	81.20 ±2.78	88.50 ±5.20	74.56 ±5.27
흉 폭	71.11 ±3.86	73.23 ±1.74	74.95 ±2.22	76.03 ±2.68	78.40 ±2.91	81.93 ±9.19	81.35 ±3.99	88.75 ±5.50	77.07 ±5.46
요 폭	37.56 ±1.94	39.85 ±3.00	39.19 ±2.14	41.46 ±2.44	41.75 ±1.80	42.93 ±2.20	43.10 ±1.85	46.50 ±2.38	41.13 ±2.87
퇴 폭	41.89 ±3.26	41.77 ±3.59	42.86 ±2.61	44.86 ±2.84	46.35 ±3.69	47.93 ±3.54	50.10 ±4.23	50.00 ±1.41	45.15 ±4.07
흉 위	153.22 ±3.63	159.15 ±3.63	161.76 ±8.04	168.43 ±4.58	172.95 ±3.87	173.93 ±9.57	180.90 ±3.57	193.25 ±5.85	168.38 ±10.18
퇴 위	119.33 ±5.57	120.00 ±4.67	126.71 ±9.38	128.54 ±3.41	133.05 ±5.13	135.36 ±5.99	139.30 ±5.46	143.75 ±3.10	129.51 ±8.36
요 후	22.33 ±1.73	22.54 ±1.94	23.43 ±2.27	23.80 ±2.42	24.00 ±1.26	25.79 ±2.42	25.90 ±2.96	28.00 ±1.41	24.06 ±2.48
퇴 후	21.56 ±1.13	23.15 ±3.26	21.62 ±2.44	21.60 ±2.83	21.45 ±1.73	22.93 ±2.67	23.50 ±3.24	25.50 ±1.91	22.16 ±2.68
흉 후	17.89 ±1.83	17.69 ±1.11	18.71 ±2.08	18.74 ±1.85	18.80 ±1.79	19.21 ±2.08	20.50 ±2.95	20.75 ±1.89	18.83 ±2.04

*평균±표준편차

표 150 한우 수소 냉도체 도체규격(단위: cm)

구분	출하체중구간(kg)								
	550 이하	551~600	601~650	651~700	701~750	751~800	801~850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
전 장	239.11 ±5.51	243.00 ±6.20	252.45 ±5.61	252.67 ±6.12	259.06 ±8.78	271.25 ±4.77	275.14 ±7.13	284.00 ±8.94	259.79 ±16.33
전사분체장	105.78 ±3.19	107.67 ±3.08	113.09 ±2.95	111.83 ±2.99	114.67 ±5.81	121.00 ±3.46	122.43 ±3.82	127.78 ±3.87	115.69 ±8.03
후사분체장	136.00 ±3.32	138.83 ±2.93	144.18 ±4.90	144.33 ±4.37	145.44 ±3.81	153.38 ±2.77	154.00 ±4.51	155.44 ±5.59	146.49 ±7.85
경 장	42.11 ±1.69	42.00 ±1.26	44.09 ±1.58	43.42 ±1.20	43.44 ±2.55	47.25 ±1.75	47.00 ±1.41	48.78 ±2.11	44.82 ±2.94
흉 장	73.17 ±2.92	74.08 ±2.11	77.77 ±3.03	79.42 ±5.00	80.89 ±2.37	83.75 ±1.98	86.00 ±5.57	89.61 ±4.43	80.64 ±6.36
요 장	37.89 ±1.62	39.25 ±0.88	40.00 ±0.77	40.83 ±1.33	41.33 ±1.58	43.06 ±0.68	43.14 ±1.21	44.56 ±1.01	41.25 ±2.42
선 장	24.78 ±0.83	27.00 ±3.69	28.36 ±4.01	29.67 ±3.83	35.33 ±4.12	33.63 ±4.66	33.43 ±4.61	36.33 ±4.44	31.12 ±5.50
퇴 장	98.78 ±2.22	100.25 ±2.09	103.27 ±2.65	104.33 ±3.20	104.78 ±2.73	109.38 ±4.57	111.43 ±3.60	110.56 ±4.80	105.32 ±5.43
경 폭	71.56 ±3.64	75.00 ±2.83	75.09 ±2.47	77.50 ±2.07	81.67 ±3.64	83.13 ±3.98	88.43 ±2.57	87.89 ±5.60	79.92 ±6.84
흉 폭	71.33 ±3.64	73.33 ±3.67	74.36 ±2.54	76.50 ±4.04	80.67 ±1.94	82.31 ±3.53	84.57 ±2.76	86.33 ±3.46	78.65 ±6.10
요 폭	35.56 ±2.01	38.00 ±2.68	38.27 ±2.28	39.50 ±1.64	41.11 ±1.83	42.13 ±2.10	42.71 ±1.60	43.89 ±3.22	40.11 ±3.45
퇴 폭	37.78 ±2.64	41.17 ±3.06	41.45 ±1.75	43.83 ±2.23	44.22 ±2.99	44.63 ±3.34	46.71 ±3.59	49.78 ±4.18	43.63 ±4.57
흉 위	154.78 ±5.38	159.17 ±5.49	162.91 ±4.01	166.17 ±6.08	174.56 ±4.19	177.88 ±3.27	181.71 ±4.07	179.78 ±17.14	169.55 ±12.06
퇴 위	110.44 ±3.91	120.17 ±8.01	121.45 ±3.45	123.00 ±6.26	128.33 ±3.12	134.25 ±4.13	135.71 ±4.68	143.56 ±15.88	127.08 ±12.32
요 후	21.67 ±3.61	21.67 ±1.63	23.27 ±2.57	22.33 ±2.34	22.78 ±2.05	24.50 ±1.85	24.14 ±2.41	25.56 ±2.88	23.31 ±2.74
퇴 후	21.56 ±2.35	22.00 ±1.55	21.64 ±2.01	21.00 ±1.79	20.67 ±3.64	23.38 ±3.02	22.86 ±1.21	23.67 ±3.43	22.09 ±2.67
흉 후	17.78 ±1.39	18.33 ±1.03	17.64 ±2.06	18.67 ±1.51	17.89 ±1.69	19.25 ±1.58	19.00 ±1.63	20.44 ±2.01	18.58 ±1.85

*평균±표준편차

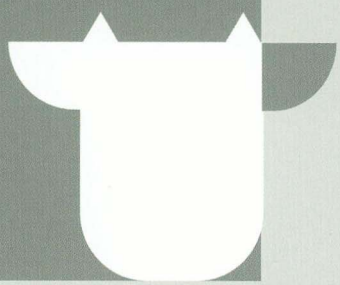
표 151 한우 거세 냉도체 도체규격(단위: cm)

구분	출하체중구간(kg)								
	600 이하	601~650	651~700	701~750	751~800	801~850	851~900	900 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
전 장	239.78 ±5.40	248.10 ±5.20	253.00 ±8.56	258.91 ±5.76	261.47 ±5.83	269.98 ±6.06	270.08 ±5.74	277.00 ±5.73	260.98 ±11.09
전사분체장	104.22 ±2.49	106.90 ±3.87	110.00 ±5.36	111.34 ±4.26	114.02 ±3.34	116.38 ±3.55	116.75 ±4.03	118.17 ±2.79	112.88 ±5.34
후사분체장	140.44 ±3.57	143.60 ±2.76	144.00 ±3.32	149.36 ±5.15	148.84 ±4.40	154.46 ±4.70	152.83 ±4.63	155.67 ±3.78	149.36 ±6.10
경 장	42.00 ±1.32	41.50 ±1.90	43.33 ±1.58	43.50 ±2.13	44.71 ±1.72	46.25 ±2.09	45.92 ±1.88	46.50 ±1.05	44.44 ±2.39
흉 장	73.67 ±2.87	75.60 ±2.27	77.50 ±3.46	78.66 ±4.35	80.00 ±2.36	81.79 ±2.80	81.54 ±2.08	82.83 ±1.72	79.39 ±3.81
요 장	38.33 ±1.56	40.30 ±2.36	39.78 ±0.83	41.89 ±3.50	41.74 ±1.83	42.83 ±1.98	42.46 ±1.44	43.67 ±1.51	41.63 ±2.52
선 장	25.28 ±2.86	33.00 ±4.22	29.22 ±2.99	34.18 ±3.92	32.23 ±4.85	35.42 ±4.52	33.33 ±4.77	32.50 ±6.89	32.65 ±5.06
퇴 장	103.06 ±2.30	104.10 ±1.91	100.11 ±7.54	107.00 ±4.40	107.16 ±5.47	112.25 ±3.84	113.08 ±4.25	114.67 ±7.71	108.00 ±6.18
경 폭	71.11 ±3.10	75.40 ±2.80	76.56 ±3.17	79.68 ±2.63	81.48 ±2.50	83.35 ±2.95	85.29 ±2.45	88.83 ±2.99	80.64 ±4.95
흉 폭	74.33 ±3.57	77.20 ±1.32	78.56 ±2.40	80.50 ±2.20	82.06 ±3.14	83.58 ±2.55	85.17 ±1.95	86.83 ±2.56	81.40 ±4.03
요 폭	39.22 ±1.79	41.60 ±2.41	41.67 ±2.87	44.18 ±2.68	43.84 ±2.22	45.63 ±2.92	45.83 ±3.30	43.83 ±4.96	43.76 ±3.25
퇴 폭	43.11 ±3.22	45.50 ±2.68	45.67 ±3.91	48.64 ±3.20	48.77 ±3.23	51.00 ±3.15	50.25 ±4.22	50.17 ±3.76	48.49 ±3.97
흉 위	156.56 ±12.28	171.20 ±3.61	171.89 ±3.26	177.36 ±3.91	180.68 ±4.36	184.00 ±3.04	186.42 ±3.75	192.00 ±6.03	178.67 ±9.43
퇴 위	125.44 ±17.62	128.00 ±3.09	131.11 ±4.01	132.05 ±4.21	135.48 ±6.24	138.21 ±5.76	141.50 ±6.36	141.67 ±4.46	134.63 ±8.20
요 후	22.56 ±1.51	22.70 ±0.95	24.33 ±1.80	24.36 ±3.02	24.35 ±2.80	26.25 ±2.83	26.67 ±3.73	27.33 ±1.86	24.83 ±2.96
퇴 후	22.33 ±1.12	21.30 ±1.06	22.44 ±1.33	21.45 ±2.52	22.68 ±2.80	22.21 ±2.72	24.25 ±2.26	23.83 ±5.23	22.42 ±2.65
흉 후	18.00 ±1.66	19.40 ±1.51	19.33 ±2.83	20.50 ±2.28	20.65 ±2.82	20.75 ±2.56	20.75 ±3.62	21.33 ±2.50	20.29 ±2.66

*평균±표준편차

여 백

1차 부산물 생산



1) 출하체중에 따른 1차 부산물 생산량

표 152 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간 (kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
온도체중	271.13 ±21.27	287.14 ±20.23	309.90 ±16.72	344.96 ±15.51	379.07 ±20.13	409.46 ±18.94	441.06 ±17.03	483.55 ±17.07	509.30 ±18.48	550.09 ±19.05	570.90 ±31.99	425.23 ±79.05
머리	22.81 ±3.53	21.09 ±3.97	21.51 ±2.83	23.81 ±4.42	23.82 ±3.85	25.17 ±3.15	26.96 ±4.23	28.18 ±3.77	31.08 ±3.46	32.53 ±4.34	33.37 ±2.40	26.44 ±5.04
앞족	4.23 ±0.43	3.83 ±0.37	4.22 ±0.56	4.50 ±0.47	4.82 ±0.59	5.05 ±0.51	5.53 ±0.55	5.96 ±0.58	6.43 ±0.63	6.34 ±0.44	7.35 ±0.26	5.36 ±0.99
뒷족	4.52 ±0.27	4.25 ±0.37	4.57 ±0.61	4.89 ±0.48	5.13 ±0.57	5.32 ±0.47	5.84 ±0.48	6.34 ±0.55	6.81 ±0.49	6.85 ±0.50	7.95 ±0.58	5.71 ±1.00
혈액	14.50 ±2.89	15.60 ±1.90	16.00 ±2.74	16.74 ±2.27	18.00 ±3.30	18.00 ±2.65	19.20 ±3.79	19.78 ±3.46	21.13 ±4.39	21.90 ±3.34	23.10 ±6.40	18.79 ±3.89
가죽	30.92 ±3.26	26.61 ±1.77	30.89 ±5.31	31.63 ±5.25	33.48 ±4.42	36.08 ±4.39	39.36 ±5.31	42.69 ±4.86	45.82 ±4.36	49.42 ±5.02	49.35 ±6.78	38.21 ±7.83
내장총량	72.69 ±14.58	100.93 ±15.79	104.11 ±16.67	118.99 ±12.69	129.50 ±15.37	139.30 ±13.46	146.92 ±17.61	149.97 ±13.63	157.90 ±13.65	158.81 ±17.94	184.48 ±17.12	138.35 ±24.94
식도	0.33 ±0.07	0.35 ±0.06	0.38 ±0.04	0.42 ±0.05	0.45 ±0.08	0.47 ±0.07	0.50 ±0.08	0.53 ±0.08	0.56 ±0.12	0.62 ±0.15	0.67 ±0.08	0.49 ±0.11
기관	0.64 ±0.11	0.59 ±0.19	0.73 ±0.16	0.81 ±0.19	0.93 ±0.23	0.96 ±0.26	1.09 ±0.41	1.09 ±0.30	1.14 ±0.28	1.16 ±0.26	1.29 ±0.42	0.99 ±0.32
허파	2.46 ±0.27	2.31 ±0.24	2.51 ±0.38	2.62 ±0.75	2.65 ±0.41	2.75 ±0.42	2.85 ±0.42	2.98 ±0.41	3.28 ±0.41	3.69 ±0.52	3.57 ±0.33	2.87 ±0.56
염통	1.87 ±0.21	2.02 ±0.26	1.98 ±0.22	2.07 ±0.26	2.18 ±0.30	2.23 ±0.27	2.37 ±0.32	2.61 ±0.28	2.70 ±0.30	2.80 ±0.39	2.82 ±0.38	2.36 ±0.40
간	5.37 ±0.87	5.51 ±0.60	5.61 ±0.88	5.92 ±0.83	6.26 ±0.72	6.71 ±0.67	7.02 ±0.71	7.43 ±0.69	7.61 ±0.80	8.35 ±1.07	8.86 ±1.00	6.84 ±1.14
이자	0.41 ±0.07	0.54 ±0.17	0.50 ±0.16	0.50 ±0.13	0.55 ±0.14	0.59 ±0.19	0.64 ±0.18	0.70 ±0.22	0.70 ±0.21	0.72 ±0.19	0.76 ±0.35	0.61 ±0.20
지라	0.95 ±0.19	0.86 ±0.14	0.98 ±0.22	1.04 ±0.29	1.06 ±0.19	1.04 ±0.14	1.17 ±0.19	1.27 ±0.19	1.43 ±0.45	1.47 ±0.32	2.01 ±1.05	1.18 ±0.37

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
1,2위	8.07 ±0.78	8.39 ±1.60	9.04 ±1.83	9.75 ±1.82	10.09 ±1.38	10.72 ±1.42	11.61 ±1.66	12.03 ±1.55	13.15 ±1.51	13.14 ±1.91	14.83 ±1.93	11.15 ±2.19
3위	2.31 ±0.29	2.39 ±0.51	2.64 ±0.69	2.72 ±0.64	2.68 ±0.57	2.71 ±0.48	2.88 ±0.55	2.77 ±0.54	3.19 ±0.69	3.18 ±0.59	3.59 ±0.48	2.83 ±0.62
4위	1.63 ±0.22	1.88 ±0.23	1.79 ±0.38	2.01 ±0.37	2.20 ±0.36	2.39 ±0.44	2.51 ±0.41	2.68 ±0.49	2.75 ±0.57	2.80 ±0.50	3.23 ±0.72	2.40 ±0.56
직장	0.57 ±0.09	0.47 ±0.11	0.54 ±0.12	0.55 ±0.17	0.55 ±0.13	0.56 ±0.16	0.58 ±0.12	0.59 ±0.11	0.65 ±0.21	0.68 ±0.21	0.68 ±0.24	0.58 ±0.16
소장	4.90 ±0.79	5.87 ±0.68	5.82 ±1.04	6.09 ±0.92	6.84 ±1.08	7.06 ±0.81	7.45 ±1.03	7.98 ±0.97	8.18 ±1.08	8.48 ±1.30	7.92 ±0.52	7.20 ±1.30
대장	3.16 ±0.51	3.96 ±0.56	3.78 ±0.97	3.88 ±0.93	4.34 ±1.44	4.24 ±0.96	4.14 ±1.20	4.24 ±1.52	4.50 ±1.02	4.69 ±1.30	4.81 ±1.76	4.23 ±1.25
배지방	6.94 ±2.42	14.83 ±4.52	15.81 ±5.29	19.25 ±5.94	22.38 ±6.51	25.01 ±5.76	26.60 ±7.19	26.23 ±6.49	26.84 ±5.89	26.22 ±7.09	32.37 ±6.39	23.69 ±7.57
내장지방	8.07 ±3.11	13.11 ±6.46	14.72 ±5.03	19.08 ±7.83	23.05 ±7.49	27.28 ±6.60	29.09 ±8.15	31.39 ±7.64	29.01 ±7.35	29.59 ±7.74	31.55 ±7.45	25.50 ±9.25
생식기	1.51 ±0.45	1.07 ±0.69	1.16 ±0.52	1.17 ±0.46	1.17 ±0.63	1.07 ±0.52	1.07 ±0.79	0.96 ±0.76	1.15 ±1.02	1.54 ±0.98	1.30 ±0.53	1.14 ±0.72
유방	1.70 ±0.82	2.26 ±1.41	2.67 ±1.16	3.25 ±1.69	3.90 ±2.09	3.80 ±1.60	4.28 ±2.03	4.40 ±1.82	4.73 ±2.36	4.70 ±2.69	8.26 ±2.69	4.06 ±2.19
신장	0.86 ±0.08	0.83 ±0.13	0.82 ±0.14	0.88 ±0.13	0.93 ±0.11	0.94 ±0.11	0.92 ±0.18	1.01 ±0.13	1.07 ±0.11	1.15 ±0.15	1.23 ±0.14	0.96 ±0.16
신지방	4.38 ±1.06	9.77 ±3.41	12.10 ±4.21	12.00 ±3.53	14.06 ±4.53	14.46 ±4.16	16.60 ±5.92	16.19 ±5.00	14.73 ±3.53	15.08 ±3.25	20.85 ±4.57	14.55 ±4.99
기타지방	1.89 ±1.02	3.99 ±1.33	5.36 ±3.09	5.63 ±2.30	7.32 ±2.80	7.96 ±3.60	8.67 ±3.43	8.86 ±3.94	9.51 ±4.96	8.81 ±3.99	12.13 ±3.47	7.82 ±3.86
도축지방	21.30 ±6.50	41.70 ±12.50	48.00 ±15.70	56.00 ±16.30	66.80 ±18.40	74.70 ±15.50	81.00 ±19.20	82.70 ±16.50	80.10 ±16.30	79.70 ±16.00	96.90 ±15.80	71.60 ±21.60

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 153 한우 암소 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
온도체중	280.00 ±22.20	309.30 ±19.00	345.20 ±15.10	375.50 ±20.40	406.00 ±20.70	431.10 ±14.50	482.10 ±17.00	539.00 ±18.60	381.50 ±61.80
머리	19.41 ±1.31	19.94 ±1.85	21.93 ±1.87	21.53 ±1.61	23.32 ±2.02	24.26 ±2.32	26.72 ±2.95	33.38 ±3.41	22.66 ±3.33
앞족	3.72 ±0.33	3.92 ±0.53	4.28 ±0.37	4.53 ±0.44	4.93 ±0.60	5.36 ±0.83	5.68 ±0.64	7.72 ±0.82	4.72 ±0.93
뒷족	4.18 ±0.36	4.25 ±0.52	4.67 ±0.37	4.83 ±0.42	5.14 ±0.53	5.50 ±0.56	6.10 ±0.69	8.11 ±0.49	5.03 ±0.89
혈액	16.00 ±1.00	16.00 ±3.00	17.00 ±2.00	17.00 ±3.00	18.00 ±3.00	19.00 ±2.00	19.00 ±4.00	24.00 ±5.00	18.00 ±3.00
가죽	26.30 ±1.50	27.47 ±2.70	28.83 ±2.63	31.05 ±2.90	33.57 ±3.13	35.56 ±3.34	38.97 ±2.85	44.35 ±3.19	31.92 ±4.97
내장총량	101.22 ±16.59	109.96 ±16.79	124.35 ±10.07	137.23 ±11.82	145.88 ±9.07	159.55 ±10.98	155.09 ±10.10	191.41 ±12.50	136.69 ±22.81
식도	0.36 ±0.07	0.38 ±0.04	0.42 ±0.05	0.45 ±0.08	0.48 ±0.05	0.51 ±0.08	0.47 ±0.08	0.66 ±0.11	0.45 ±0.09
기관	0.60 ±0.20	0.76 ±0.20	0.82 ±0.17	0.95 ±0.24	1.05 ±0.25	1.02 ±0.23	0.97 ±0.29	1.23 ±0.31	0.92 ±0.26
허파	2.27 ±0.25	2.42 ±0.38	2.38 ±0.33	2.50 ±0.32	2.68 ±0.36	2.77 ±0.49	2.84 ±0.49	3.77 ±0.46	2.58 ±0.45
염통	1.99 ±0.25	1.94 ±0.22	2.05 ±0.25	2.15 ±0.33	2.27 ±0.29	2.38 ±0.34	2.64 ±0.19	3.08 ±0.47	2.22 ±0.37
간	5.56 ±0.66	5.59 ±1.04	5.83 ±0.80	6.35 ±0.74	6.60 ±0.70	7.03 ±0.73	7.37 ±0.58	7.75 ±0.44	6.37 ±0.95
이자	0.54 ±0.17	0.50 ±0.17	0.49 ±0.14	0.57 ±0.15	0.66 ±0.19	0.64 ±0.23	0.73 ±0.25	1.01 ±0.23	0.59 ±0.20
지라	0.83 ±0.11	0.93 ±0.24	0.96 ±0.25	1.02 ±0.19	1.01 ±0.15	1.13 ±0.23	1.30 ±0.16	1.72 ±0.22	1.04 ±0.25
1,2위	8.56 ±1.58	9.40 ±2.17	10.18 ±1.95	10.39 ±1.44	11.12 ±1.37	11.59 ±1.28	12.40 ±2.04	14.56 ±1.55	10.66 ±2.00

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
3위	2.43 ±0.51	2.77 ±0.84	2.88 ±0.68	2.77 ±0.61	2.73 ±0.53	3.21 ±0.55	2.85 ±0.53	3.68 ±0.61	2.84 ±0.65
4위	1.84 ±0.24	1.88 ±0.43	2.09 ±0.41	2.29 ±0.30	2.42 ±0.37	2.59 ±0.45	2.87 ±0.55	3.83 ±0.80	2.33 ±0.55
직장	0.47 ±0.09	0.57 ±0.10	0.59 ±0.19	0.57 ±0.14	0.58 ±0.16	0.58 ±0.14	0.65 ±0.13	0.92 ±0.13	0.59 ±0.16
소장	5.67 ±0.68	5.72 ±1.08	5.97 ±0.96	6.92 ±0.97	7.06 ±0.84	7.12 ±0.96	8.13 ±0.70	7.89 ±0.51	6.72 ±1.15
대장	3.97 ±0.59	3.46 ±0.90	3.79 ±0.95	4.14 ±1.43	4.49 ±1.00	4.31 ±1.43	5.79 ±2.14	5.04 ±0.84	4.23 ±1.36
배지방	14.98 ±4.27	17.88 ±5.77	20.58 ±5.33	25.22 ±4.77	26.73 ±5.29	30.85 ±3.72	27.17 ±7.97	30.98 ±10.20	24.16 ±6.98
내장지방	14.87 ±4.49	16.35 ±5.28	20.23 ±8.46	26.39 ±5.28	29.36 ±5.96	33.18 ±7.79	32.61 ±7.68	27.40 ±6.93	25.26 ±8.66
생식기	0.77 ±0.20	1.07 ±0.41	1.02 ±0.27	1.01 ±0.36	1.02 ±0.19	1.16 ±0.21	1.05 ±0.32	1.53 ±0.65	1.04 ±0.33
유방	2.49 ±1.26	3.05 ±1.20	3.56 ±1.45	4.59 ±2.12	4.38 ±1.50	4.97 ±2.45	5.29 ±1.35	7.03 ±2.02	4.25 ±1.97
신장	0.80 ±0.09	0.82 ±0.16	0.87 ±0.15	0.93 ±0.11	0.93 ±0.10	0.95 ±0.14	1.01 ±0.11	1.12 ±0.07	0.91 ±0.14
신지방	9.27 ±2.70	12.83 ±4.97	12.04 ±3.15	15.53 ±3.94	15.11 ±4.41	19.02 ±5.85	20.22 ±5.91	17.16 ±5.79	14.97 ±5.20
기타지방	3.83 ±1.51	6.27 ±3.62	6.11 ±2.26	8.60 ±2.45	8.82 ±3.36	8.88 ±4.08	9.05 ±3.28	8.62 ±1.72	7.71 ±3.26
도축지방	42.90 ±12.00	53.30 ±17.70	59.00 ±14.90	75.70 ±11.30	80.00 ±13.80	91.90 ±11.50	89.10 ±16.00	84.10 ±17.90	72.10 ±19.80

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 154 한우 수소 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
온도체중	289.70 ±24.10	342.30 ±11.60	375.30 ±17.20	406.10 ±13.50	441.30 ±16.70	482.40 ±5.90	496.40 ±13.60	555.80 ±34.20	423.60 ±86.20
머리	26.02 ±2.36	28.47 ±4.42	29.93 ±2.86	30.08 ±2.00	33.15 ±3.13	33.24 ±5.01	35.43 ±2.69	35.50 ±2.89	31.49 ±4.46
앞족	4.56 ±0.29	5.03 ±0.34	5.36 ±0.48	5.30 ±0.24	5.70 ±0.32	6.16 ±0.75	6.27 ±0.38	6.57 ±0.53	5.62 ±0.78
뒷족	4.80 ±0.40	5.46 ±0.33	5.62 ±0.47	5.65 ±0.22	5.97 ±0.28	6.63 ±0.60	6.58 ±0.36	7.08 ±0.69	5.97 ±0.84
혈액	16.00 ±3.00	18.00 ±3.00	18.00 ±3.00	19.00 ±3.00	22.00 ±5.00	22.00 ±3.00	25.00 ±4.00	24.00 ±5.00	20.00 ±5.00
가죽	34.07 ±2.82	38.99 ±2.85	39.23 ±3.20	42.23 ±3.68	45.63 ±5.85	47.08 ±2.29	48.30 ±2.30	53.48 ±4.94	43.57 ±7.01
내장총량	86.10 ±19.11	102.84 ±9.83	117.55 ±10.69	126.87 ±8.81	127.02 ±8.58	142.90 ±16.10	149.42 ±18.80	159.41 ±21.05	126.36 ±27.25
식도	0.36 ±0.06	0.45 ±0.05	0.47 ±0.08	0.47 ±0.07	0.50 ±0.10	0.56 ±0.09	0.61 ±0.06	0.67 ±0.14	0.51 ±0.13
기관	0.70 ±0.08	0.85 ±0.24	0.89 ±0.24	0.81 ±0.12	1.09 ±0.33	1.07 ±0.26	1.21 ±0.30	1.31 ±0.26	1.00 ±0.30
허파	2.70 ±0.31	2.92 ±0.12	3.11 ±0.31	3.13 ±0.62	3.10 ±0.39	3.60 ±0.26	3.69 ±0.34	4.01 ±0.37	3.28 ±0.54
염통	2.03 ±0.26	2.17 ±0.30	2.37 ±0.25	2.29 ±0.23	2.57 ±0.30	2.81 ±0.23	2.85 ±0.25	3.02 ±0.29	2.52 ±0.42
간	5.54 ±0.81	6.13 ±1.20	6.29 ±0.66	7.02 ±0.64	7.02 ±0.84	8.27 ±0.98	7.37 ±0.89	8.31 ±1.28	6.98 ±1.30
이자	0.43 ±0.10	0.57 ±0.10	0.49 ±0.13	0.47 ±0.14	0.66 ±0.13	0.77 ±0.12	0.74 ±0.21	0.80 ±0.19	0.62 ±0.19
지라	1.06 ±0.19	1.10 ±0.21	1.24 ±0.18	1.10 ±0.13	1.26 ±0.17	1.47 ±0.13	1.49 ±0.21	1.52 ±0.28	1.29 ±0.25
1,2위	8.33 ±1.04	9.41 ±0.94	10.11 ±1.16	10.16 ±1.37	11.09 ±1.57	12.31 ±0.83	12.93 ±1.83	14.27 ±2.71	11.09 ±2.39

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
3위	2.45 ±0.35	2.49 ±0.38	2.77 ±0.44	2.78 ±0.40	3.06 ±0.39	3.03 ±0.73	3.72 ±1.07	3.22 ±0.72	2.94 ±0.68
4위	1.73 ±0.31	1.83 ±0.17	2.08 ±0.38	2.18 ±0.33	2.33 ±0.35	2.67 ±0.37	2.65 ±0.86	3.10 ±0.67	2.33 ±0.63
직장	0.55 ±0.15	0.47 ±0.02	0.56 ±0.11	0.53 ±0.08	0.68 ±0.11	0.67 ±0.07	0.71 ±0.17	0.71 ±0.14	0.61 ±0.14
소장	5.55 ±1.12	6.10 ±0.70	6.79 ±1.67	7.09 ±0.89	7.47 ±1.38	8.52 ±1.03	8.06 ±0.85	8.38 ±1.09	7.25 ±1.51
대장	3.51 ±0.75	3.83 ±1.04	4.67 ±1.23	4.26 ±0.82	4.56 ±0.82	3.91 ±0.70	5.28 ±0.79	4.79 ±1.35	4.37 ±1.08
배지방	9.09 ±3.32	11.79 ±2.89	14.37 ±6.41	18.23 ±3.44	18.35 ±6.83	21.00 ±5.90	21.59 ±6.69	22.61 ±7.24	17.04 ±7.17
내장지방	8.96 ±2.53	12.63 ±3.33	13.61 ±6.09	18.99 ±3.16	19.48 ±8.27	25.66 ±9.41	18.92 ±5.11	28.30 ±9.13	18.28 ±8.92
생식기	1.82 ±0.23	1.88 ±0.43	2.21 ±0.27	1.99 ±0.35	2.38 ±0.59	2.47 ±0.42	2.81 ±0.38	2.54 ±0.51	2.27 ±0.50
유방	2.00 ±0.98	1.31 ±0.52	1.64 ±0.62	1.78 ±0.66	2.72 ±1.22	2.28 ±1.37	1.74 ±0.95	2.47 ±1.07	2.03 ±1.02
신장	0.87 ±0.11	0.89 ±0.04	1.01 ±0.12	0.99 ±0.12	0.87 ±0.35	1.15 ±0.14	1.10 ±0.13	1.25 ±0.09	1.02 ±0.21
신지방	7.49 ±3.67	9.04 ±2.45	9.50 ±4.04	11.39 ±3.00	12.33 ±6.06	12.59 ±4.37	11.77 ±2.94	14.88 ±3.32	11.12 ±4.41
기타지방	2.82 ±1.20	3.33 ±1.53	4.23 ±1.54	4.62 ±2.81	7.34 ±2.19	5.64 ±3.51	4.24 ±2.08	8.11 ±5.30	5.13 ±3.24
도축지방	28.40 ±9.60	36.80 ±9.70	41.70 ±16.80	53.20 ±9.60	57.50 ±21.70	64.90 ±20.00	56.50 ±13.60	73.90 ±18.40	51.60 ±21.10

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 155 한우 거세우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
온도체중	329.40 ±26.43	395.80 ±13.89	419.38 ±15.56	447.26 ±16.32	484.29 ±19.23	512.48 ±18.52	553.46 ±22.50	572.35 ±16.14	470.93 ±64.28
머리	23.79 ±5.54	25.11 ±1.86	26.00 ±1.56	26.15 ±2.92	27.35 ±2.45	29.79 ±2.59	30.55 ±3.96	32.72 ±1.63	27.64 ±3.66
앞족	4.68 ±0.28	5.24 ±0.51	5.14 ±0.38	5.58 ±0.36	6.01 ±0.49	6.38 ±0.50	6.25 ±0.42	7.34 ±0.18	5.87 ±0.74
뒷족	5.09 ±0.31	5.64 ±0.37	5.48 ±0.24	5.99 ±0.39	6.34 ±0.46	6.83 ±0.47	6.78 ±0.44	7.81 ±0.64	6.27 ±0.76
혈액	17.00 ±2.00	20.00 ±3.00	17.00 ±2.00	18.00 ±4.00	19.00 ±3.00	20.00 ±4.00	21.00 ±4.00	20.00 ±4.00	19.00 ±4.00
가죽	34.47 ±6.13	35.65 ±2.81	37.57 ±1.87	39.21 ±3.54	42.76 ±4.94	45.09 ±4.67	47.43 ±4.71	50.02 ±5.15	41.83 ±6.09
내장총량	103.93 ±13.21	115.57 ±12.90	132.97 ±16.02	147.03 ±16.45	150.15 ±13.57	159.48 ±10.69	161.22 ±18.28	177.60 ±18.13	146.38 ±22.99
식도	0.37 ±0.03	0.42 ±0.06	0.44 ±0.10	0.50 ±0.08	0.54 ±0.07	0.55 ±0.13	0.60 ±0.16	0.65 ±0.06	0.52 ±0.12
기관	0.62 ±0.14	0.87 ±0.20	0.84 ±0.30	1.13 ±0.52	1.13 ±0.31	1.12 ±0.28	1.10 ±0.27	1.21 ±0.47	1.05 ±0.37
허파	2.83 ±1.27	2.68 ±0.44	2.64 ±0.26	2.80 ±0.36	2.86 ±0.25	3.12 ±0.29	3.47 ±0.50	3.47 ±0.27	2.96 ±0.52
염통	2.00 ±0.22	2.08 ±0.14	2.11 ±0.21	2.28 ±0.28	2.54 ±0.30	2.63 ±0.29	2.64 ±0.38	2.70 ±0.32	2.42 ±0.36
간	5.76 ±0.40	5.91 ±0.63	6.74 ±0.63	7.01 ±0.68	7.23 ±0.46	7.67 ±0.80	8.56 ±1.08	9.12 ±0.59	7.25 ±1.07
이자	0.52 ±0.15	0.55 ±0.15	0.54 ±0.14	0.63 ±0.17	0.67 ±0.22	0.68 ±0.22	0.65 ±0.17	0.60 ±0.33	0.63 ±0.20
지라	1.14 ±0.34	1.00 ±0.12	1.06 ±0.14	1.16 ±0.16	1.21 ±0.18	1.40 ±0.51	1.46 ±0.36	2.18 ±1.37	1.28 ±0.47
1,2위	8.11 ±1.02	9.05 ±0.83	10.22 ±1.44	11.84 ±1.91	11.83 ±1.52	13.24 ±1.46	12.74 ±1.55	13.99 ±1.67	11.69 ±2.17

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
3위	2.24 ±0.29	2.28 ±0.36	2.63 ±0.46	2.60 ±0.46	2.68 ±0.48	3.04 ±0.48	3.22 ±0.53	3.36 ±0.37	2.75 ±0.54
4위	1.74 ±0.22	2.05 ±0.46	2.47 ±0.61	2.53 ±0.39	2.62 ±0.49	2.72 ±0.40	2.68 ±0.40	2.85 ±0.36	2.52 ±0.51
직장	0.45 ±0.07	0.47 ±0.08	0.53 ±0.21	0.53 ±0.09	0.55 ±0.09	0.63 ±0.23	0.67 ±0.24	0.53 ±0.15	0.56 ±0.16
소장	6.40 ±0.86	6.62 ±0.63	7.05 ±0.80	7.65 ±0.89	7.80 ±0.99	8.21 ±1.17	8.61 ±1.44	7.78 ±0.24	7.68 ±1.15
대장	4.54 ±0.66	4.65 ±1.68	3.67 ±0.75	3.86 ±1.14	3.82 ±1.10	4.27 ±1.00	4.61 ±1.27	4.65 ±2.25	4.14 ±1.21
배지방	18.71 ±4.65	21.25 ±4.04	25.72 ±4.96	27.27 ±6.35	27.28 ±5.60	27.82 ±4.25	29.26 ±5.42	34.94 ±3.53	26.72 ±6.09
내장지방	16.80 ±7.88	21.70 ±6.46	28.16 ±5.58	30.42 ±4.77	32.47 ±6.67	31.92 ±5.12	30.78 ±6.38	33.94 ±7.12	29.56 ±7.51
생식기	0.96 ±0.62	0.61 ±0.21	0.56 ±0.26	0.48 ±0.23	0.55 ±0.27	0.61 ±0.36	0.87 ±0.49	1.15 ±0.43	0.64 ±0.38
유방	2.92 ±2.08	3.95 ±1.08	3.84 ±1.16	4.47 ±1.72	4.67 ±1.67	5.57 ±1.94	6.36 ±2.14	9.25 ±2.62	4.95 ±2.18
신장	0.85 ±0.11	0.87 ±0.09	0.90 ±0.11	0.92 ±0.11	0.98 ±0.11	1.06 ±0.11	1.09 ±0.15	1.27 ±0.13	0.98 ±0.15
신지방	14.31 ±3.29	13.96 ±3.83	15.07 ±3.62	16.81 ±5.15	15.81 ±4.00	15.78 ±3.15	15.41 ±3.25	22.17 ±4.86	15.94 ±4.20
기타지방	5.62 ±1.59	6.26 ±1.87	8.29 ±3.61	9.08 ±3.40	9.64 ±3.92	11.14 ±4.53	10.03 ±3.39	12.79 ±3.03	9.36 ±3.94
도축지방	55.40 ±13.70	63.20 ±13.20	77.20 ±9.80	83.60 ±13.80	85.20 ±12.80	86.70 ±9.60	85.50 ±12.60	103.80 ±9.30	81.60 ±15.90

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

2) 도체등급에 따른 1차 부산물 생산량

표 156 육질 1++등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
온도체중	433.00 ±25.30	490.30 ±18.90	523.90 ±16.50	561.80 ±34.60	577.00 ±20.40	505.00 ±54.70
머리	23.46 ±1.91	27.01 ±2.41	28.42 ±4.14	29.21 ±1.40	31.77 ±2.07	27.41 ±3.54
앞족	5.15 ±0.49	5.79 ±0.27	6.71 ±0.43	6.07 ±0.25	7.33 ±0.20	6.06 ±0.80
뒷족	5.46 ±0.55	6.37 ±0.15	7.06 ±0.54	6.59 ±0.37	8.12 ±0.61	6.56 ±0.92
혈액	15.00 ±3.00	19.00 ±3.00	21.00 ±9.00	20.00 ±3.00	19.00 ±2.00	18.00 ±5.00
가죽	36.78 ±6.26	39.95 ±1.83	43.10 ±4.58	46.79 ±9.26	45.61 ±1.18	41.50 ±5.72
내장총량	137.56 ±13.09	154.07 ±10.76	161.09 ±5.29	166.26 ±18.62	184.32 ±14.87	157.38 ±18.40
식도	0.48 ±0.07	0.52 ±0.07	0.58 ±0.11	0.55 ±0.13	0.65 ±0.09	0.54 ±0.10
기관	1.06 ±0.23	1.09 ±0.34	1.15 ±0.41	1.01 ±0.31	1.23 ±0.40	1.10 ±0.31
허파	2.52 ±0.32	2.96 ±0.35	3.40 ±0.19	3.25 ±0.18	3.57 ±0.33	3.06 ±0.46
염통	2.10 ±0.11	2.46 ±0.26	2.62 ±0.39	2.43 ±0.38	2.77 ±0.30	2.44 ±0.34
간	6.86 ±0.96	7.07 ±0.32	8.32 ±1.01	8.55 ±0.79	8.75 ±1.19	7.68 ±1.09
이자	0.67 ±0.21	0.59 ±0.22	0.54 ±0.25	0.69 ±0.08	0.83 ±0.46	0.64 ±0.25
지라	1.02 ±0.12	1.15 ±0.28	1.34 ±0.28	1.27 ±0.08	2.64 ±1.87	1.38 ±0.80

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
1,2위	10.93 ±1.03	11.50 ±1.01	13.25 ±1.80	13.62 ±1.71	13.95 ±2.23	12.31 ±1.78
3위	2.72 ±0.07	2.55 ±0.48	2.97 ±0.47	3.31 ±0.35	3.77 ±0.48	2.94 ±0.56
4위	2.42 ±0.30	2.61 ±0.25	2.86 ±0.16	2.80 ±0.37	3.37 ±0.52	2.74 ±0.41
직장	0.58 ±0.09	0.53 ±0.08	0.66 ±0.13	0.62 ±0.03	0.63 ±0.22	0.59 ±0.11
소장	7.50 ±1.32	8.75 ±0.54	8.90 ±1.63	7.66 ±1.49	7.59 ±0.48	8.19 ±1.20
대장	3.78 ±0.33	4.69 ±1.23	4.59 ±0.82	4.11 ±1.03	5.61 ±3.13	4.51 ±1.38
배지방	23.75 ±4.34	28.09 ±3.81	27.94 ±5.85	29.87 ±7.43	33.85 ±7.29	28.11 ±5.71
내장지방	29.56 ±4.53	36.65 ±5.64	32.74 ±5.59	31.40 ±3.24	31.38 ±4.03	32.89 ±5.29
생식기	0.48 ±0.45	0.65 ±0.32	0.54 ±0.27	0.71 ±0.41	1.35 ±0.18	0.69 ±0.42
유방	6.20 ±1.31	4.13 ±1.73	5.01 ±0.85	5.69 ±2.35	9.27 ±2.88	5.67 ±2.32
신장	0.94 ±0.09	0.98 ±0.14	1.12 ±0.10	1.07 ±0.17	1.14 ±0.11	1.03 ±0.14
신지방	16.56 ±2.93	17.11 ±6.16	14.49 ±1.73	18.32 ±3.64	24.26 ±6.84	17.65 ±5.22
기타지방	9.10 ±1.80	8.51 ±4.53	9.00 ±2.66	10.35 ±4.16	11.17 ±0.24	9.34 ±3.17
도축지방	78.97 ±10.17	90.37 ±12.65	84.16 ±9.20	89.94 ±15.37	100.66 ±11.96	87.99 ±12.69

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 157 육질 1⁺등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
온도체중	326.70 ±27.60	388.00 ±21.70	414.30 ±13.20	445.90 ±21.40	484.40 ±20.60	515.40 ±12.80	562.90 ±19.20	457.40 ±67.30
머리	20.06 ±2.60	23.31 ±1.93	24.90 ±2.46	25.27 ±2.85	27.93 ±2.57	29.58 ±2.17	31.35 ±2.77	26.56 ±3.88
앞족	3.79 ±0.56	4.74 ±0.59	4.94 ±0.41	5.51 ±0.69	6.04 ±0.42	6.25 ±0.41	6.56 ±0.50	5.56 ±0.92
뒷족	4.21 ±0.60	5.16 ±0.67	5.19 ±0.51	5.95 ±0.63	6.30 ±0.34	6.78 ±0.44	6.86 ±0.45	5.92 ±0.92
혈액	17.00 ±3.00	17.00 ±3.00	18.00 ±3.00	20.00 ±3.00	21.00 ±3.00	20.00 ±3.00	22.00 ±5.00	19.00 ±3.00
가죽	29.77 ±4.72	32.29 ±4.25	36.09 ±3.34	38.55 ±2.95	42.72 ±5.07	45.44 ±5.32	48.69 ±3.73	39.83 ±7.24
내장총량	100.40 ±22.10	126.95 ±15.18	137.08 ±13.56	146.64 ±12.47	147.37 ±14.59	162.36 ±13.84	154.19 ±16.71	142.32 ±21.40
식도	0.35 ±0.04	0.43 ±0.07	0.43 ±0.07	0.48 ±0.04	0.51 ±0.09	0.55 ±0.10	0.66 ±0.20	0.49 ±0.12
기관	0.60 ±0.09	0.97 ±0.31	0.89 ±0.32	1.14 ±0.26	1.09 ±0.31	1.17 ±0.33	1.14 ±0.27	1.03 ±0.32
허파	2.11 ±0.19	2.61 ±0.50	2.45 ±0.24	2.79 ±0.23	2.89 ±0.26	3.24 ±0.20	3.56 ±0.63	2.85 ±0.51
염통	1.94 ±0.35	2.07 ±0.28	2.10 ±0.25	2.29 ±0.30	2.53 ±0.28	2.75 ±0.32	2.72 ±0.32	2.39 ±0.40
간	5.30 ±0.92	6.03 ±0.71	6.49 ±0.75	6.99 ±0.76	7.32 ±0.44	7.85 ±0.85	8.41 ±1.36	7.02 ±1.14
이자	0.43 ±0.10	0.60 ±0.20	0.67 ±0.29	0.60 ±0.16	0.76 ±0.23	0.77 ±0.21	0.53 ±0.18	0.66 ±0.23
지라	0.76 ±0.16	1.01 ±0.12	0.99 ±0.08	1.11 ±0.14	1.26 ±0.15	1.54 ±0.75	1.29 ±0.25	1.18 ±0.38
1,2위	7.21 ±1.45	9.53 ±0.72	10.80 ±1.79	11.06 ±1.52	11.75 ±1.66	12.93 ±1.29	12.19 ±1.63	11.10 ±2.05

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
3위	2.09 ±0.42	2.44 ±0.36	2.95 ±0.55	2.71 ±0.45	2.75 ±0.55	2.96 ±0.52	3.20 ±0.32	2.75 ±0.53
4위	1.57 ±0.13	2.11 ±0.45	2.53 ±0.62	2.97 ±0.43	2.52 ±0.62	2.79 ±0.49	2.50 ±0.13	2.47 ±0.59
직장	0.46 ±0.15	0.51 ±0.08	0.53 ±0.25	0.52 ±0.13	0.55 ±0.08	0.54 ±0.10	0.68 ±0.32	0.54 ±0.16
소장	6.31 ±1.38	6.83 ±0.70	6.65 ±0.60	7.66 ±1.04	7.34 ±0.99	8.01 ±0.75	8.55 ±1.01	7.36 ±1.07
대장	4.55 ±1.25	4.43 ±1.48	3.93 ±1.11	4.24 ±1.02	3.34 ±0.77	4.14 ±1.28	4.37 ±1.21	4.01 ±1.17
배지방	17.32 ±3.54	23.02 ±2.58	24.47 ±5.15	30.02 ±4.60	25.56 ±5.86	27.98 ±4.45	27.56 ±3.83	25.46 ±5.38
내장지방	17.44 ±4.95	24.80 ±4.69	28.48 ±5.13	31.37 ±5.78	31.37 ±6.99	33.76 ±5.24	27.52 ±3.73	28.90 ±6.85
생식기	0.69 ±0.21	0.81 ±0.31	0.67 ±0.32	0.75 ±0.39	0.53 ±0.27	0.66 ±0.52	0.83 ±0.37	0.68 ±0.35
유방	3.72 ±1.52	4.62 ±2.69	5.17 ±1.85	3.97 ±1.46	4.83 ±1.51	6.07 ±2.09	6.90 ±2.90	5.07 ±2.14
신장	0.67 ±0.09	0.94 ±0.17	0.91 ±0.11	0.90 ±0.15	0.99 ±0.10	1.07 ±0.08	1.11 ±0.22	0.96 ±0.17
신지방	10.08 ±0.97	15.33 ±4.05	15.78 ±4.44	16.42 ±6.27	15.50 ±4.24	15.23 ±3.51	15.96 ±4.21	15.23 ±4.28
기타지방	5.53 ±1.60	7.21 ±2.70	8.17 ±1.84	7.70 ±3.58	9.32 ±3.43	11.16 ±3.00	10.46 ±3.92	8.79 ±3.33
도축지방	50.37 ±8.60	70.35 ±10.04	76.90 ±12.52	85.50 ±16.36	81.74 ±12.46	88.13 ±8.12	81.49 ±11.54	78.38 ±14.59

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 158 육질 1등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
온도체중	317.90 ±19.70	349.10 ±20.30	387.00 ±17.00	416.50 ±27.70	444.70 ±15.20	478.30 ±16.30	507.10 ±22.10	541.40 ±13.10	431.30 ±67.60
머리	20.63 ±1.57	25.06 ±5.93	22.47 ±2.61	24.48 ±2.10	25.56 ±2.72	26.66 ±2.05	30.66 ±2.67	32.19 ±4.89	25.69 ±4.42
앞족	4.24 ±0.51	4.57 ±0.45	4.55 ±0.52	4.95 ±0.56	5.40 ±0.44	5.87 ±0.71	6.29 ±0.61	6.60 ±0.65	5.29 ±0.92
뒷족	4.81 ±0.54	4.92 ±0.38	4.91 ±0.50	5.27 ±0.47	5.76 ±0.45	6.21 ±0.71	6.74 ±0.42	7.25 ±0.79	5.70 ±0.94
혈액	16.00 ±2.00	17.00 ±2.00	18.00 ±3.00	18.00 ±3.00	19.00 ±3.00	19.00 ±4.00	20.00 ±3.00	24.00 ±4.00	19.00 ±3.00
가죽	30.07 ±6.70	32.81 ±5.45	31.81 ±3.69	36.44 ±2.45	37.85 ±4.07	43.64 ±5.24	43.53 ±2.87	48.69 ±7.21	37.94 ±7.30
내장총량	97.57 ±13.68	119.91 ±7.44	131.54 ±18.39	138.46 ±14.82	150.06 ±15.28	153.85 ±11.89	158.37 ±8.37	186.99 ±13.13	142.49 ±25.69
식도	0.37 ±0.05	0.40 ±0.05	0.42 ±0.06	0.46 ±0.10	0.50 ±0.07	0.55 ±0.08	0.55 ±0.18	0.65 ±0.16	0.49 ±0.12
기관	0.66 ±0.20	0.77 ±0.30	0.86 ±0.21	0.87 ±0.26	1.11 ±0.64	1.10 ±0.30	1.06 ±0.19	1.12 ±0.27	0.96 ±0.38
허파	2.33 ±0.18	2.89 ±1.48	2.51 ±0.25	2.63 ±0.28	2.65 ±0.26	2.74 ±0.21	2.93 ±0.27	3.48 ±0.31	2.73 ±0.56
염통	1.98 ±0.25	2.06 ±0.25	2.06 ±0.25	2.19 ±0.35	2.40 ±0.33	2.67 ±0.32	2.58 ±0.20	2.79 ±0.30	2.35 ±0.39
간	5.6 ±0.32	5.90 ±0.54	6.19 ±0.51	6.61 ±0.54	7.12 ±0.69	7.29 ±0.56	7.24 ±0.53	8.80 ±0.59	6.84 ±0.98
이자	0.61 ±0.19	0.51 ±0.09	0.56 ±0.11	0.55 ±0.17	0.68 ±0.21	0.63 ±0.25	0.71 ±0.15	0.81 ±0.26	0.63 ±0.20
지라	0.93 ±0.14	1.17 ±0.37	1.01 ±0.18	1.01 ±0.21	1.10 ±0.17	1.18 ±0.14	1.29 ±0.27	1.74 ±0.43	1.15 ±0.30
1,2위	8.42 ±1.23	8.14 ±0.78	9.54 ±1.36	10.53 ±1.52	11.65 ±1.88	12.07 ±1.42	13.88 ±1.08	14.69 ±1.43	11.11 ±2.44

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
3위	2.49 ±0.31	2.51 ±0.81	2.59 ±0.70	2.61 ±0.49	2.89 ±0.64	2.63 ±0.31	2.96 ±0.37	3.22 ±0.66	2.73 ±0.58
4위	1.83 ±0.31	1.90 ±0.19	2.23 ±0.37	2.21 ±0.33	2.58 ±0.37	2.79 ±0.31	2.72 ±0.35	3.17 ±0.67	2.44 ±0.53
직장	0.45 ±0.07	0.52 ±0.11	0.48 ±0.06	0.56 ±0.23	0.54 ±0.08	0.56 ±0.11	0.72 ±0.36	0.62 ±0.23	0.55 ±0.18
소장	6.28 ±0.72	6.27 ±1.18	6.80 ±1.33	7.40 ±0.73	7.39 ±0.86	8.13 ±0.74	8.36 ±1.23	8.30 ±1.57	7.38 ±1.25
대장	4.39 ±0.58	4.24 ±0.96	3.92 ±1.30	4.19 ±1.22	4.06 ±1.44	4.30 ±1.22	4.37 ±0.80	4.59 ±1.34	4.21 ±1.15
배지방	16.32 ±3.05	22.77 ±5.04	26.07 ±6.67	27.66 ±5.34	26.81 ±4.54	28.75 ±5.65	28.80 ±3.76	32.15 ±7.62	26.37 ±6.45
내장지방	12.99 ±6.41	23.32 ±6.58	27.35 ±8.17	27.42 ±4.97	29.81 ±6.80	32.33 ±6.08	29.45 ±3.73	37.80 ±6.23	27.97 ±8.53
생식기	1.02 ±0.73	0.97 ±0.22	0.85 ±0.31	0.70 ±0.24	0.79 ±0.43	0.62 ±0.28	0.53 ±0.20	1.03 ±0.56	0.79 ±0.41
유방	2.03 ±1.09	4.57 ±1.79	4.71 ±2.12	3.74 ±1.07	4.82 ±2.41	5.18 ±1.80	4.74 ±1.71	6.64 ±2.60	4.59 ±2.13
신장	0.84 ±0.08	0.86 ±0.07	0.87 ±0.06	0.90 ±0.09	0.95 ±0.10	0.96 ±0.13	1.04 ±0.15	1.19 ±0.15	0.94 ±0.14
신지방	13.45 ±3.29	13.42 ±4.14	15.04 ±4.49	13.81 ±4.01	17.38 ±6.29	16.27 ±3.36	17.55 ±3.29	17.30 ±3.97	15.70 ±4.51
기타지방	5.34 ±3.92	6.96 ±2.25	8.23 ±2.52	7.99 ±3.89	9.77 ±4.14	10.95 ±3.71	10.77 ±4.10	11.59 ±2.25	9.09 ±3.83
도축지방	48.11 ±13.04	66.48 ±12.56	76.69 ±16.76	76.87 ±8.72	83.77 ±12.96	88.31 ±11.25	86.56 ±7.85	98.84 ±6.99	79.13 ±17.32

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 159 육질 2등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
온도체중	293.00 ±27.00	347.00 ±14.30	366.80 ±20.60	404.20 ±15.40	434.90 ±15.30	486.00 ±16.30	502.30 ±23.30	566.80 ±39.30	409.60 ±79.60
머리	19.71 ±1.50	20.86 ±2.13	23.55 ±4.17	25.25 ±4.49	26.05 ±3.51	27.15 ±3.71	31.90 ±3.61	33.60 ±3.73	25.14 ±5.26
앞족	3.86 ±0.51	4.16 ±0.39	4.89 ±0.60	4.84 ±0.36	5.44 ±0.26	5.87 ±0.69	7.03 ±1.05	6.80 ±0.98	5.17 ±1.11
뒷족	4.31 ±0.56	4.67 ±0.50	5.10 ±0.51	5.15 ±0.47	5.81 ±0.42	6.31 ±0.77	7.06 ±0.69	7.43 ±0.99	5.53 ±1.09
혈액	16.00 ±3.00	16.00 ±2.00	18.00 ±4.00	18.00 ±3.00	18.00 ±4.00	18.00 ±4.00	21.00 ±1.00	24.00 ±7.00	18.00 ±4.00
가죽	27.99 ±3.23	28.92 ±3.47	33.79 ±4.57	35.85 ±5.91	38.50 ±6.88	39.80 ±5.29	49.03 ±3.28	50.88 ±5.74	36.59 ±8.48
내장총량	106.46 ±19.73	123.06 ±13.53	129.93 ±16.05	140.03 ±12.03	159.06 ±14.03	152.23 ±12.10	160.92 ±15.28	168.74 ±20.91	140.04 ±24.23
식도	0.36 ±0.05	0.43 ±0.06	0.45 ±0.08	0.46 ±0.06	0.52 ±0.08	0.51 ±0.08	0.52 ±0.06	0.66 ±0.11	0.48 ±0.10
기관	0.72 ±0.23	0.85 ±0.18	0.95 ±0.18	0.97 ±0.27	1.04 ±0.24	1.13 ±0.35	1.14 ±0.22	1.35 ±0.46	0.99 ±0.29
허파	2.27 ±0.20	2.28 ±0.34	2.60 ±0.37	2.67 ±0.23	2.89 ±0.42	2.98 ±0.55	3.42 ±0.73	3.71 ±0.40	2.76 ±0.57
염통	1.93 ±0.23	1.97 ±0.27	2.15 ±0.26	2.25 ±0.21	2.27 ±0.25	2.63 ±0.18	2.66 ±0.40	2.77 ±0.53	2.27 ±0.39
간	5.30 ±0.60	5.44 ±0.84	6.09 ±0.64	6.85 ±0.76	7.21 ±0.74	7.61 ±0.96	7.43 ±0.27	8.90 ±1.14	6.67 ±1.28
이자	0.47 ±0.15	0.45 ±0.12	0.51 ±0.12	0.57 ±0.15	0.61 ±0.16	0.76 ±0.15	0.61 ±0.22	0.65 ±0.23	0.56 ±0.17
지라	0.91 ±0.12	0.84 ±0.14	1.04 ±0.22	1.04 ±0.13	1.18 ±0.16	1.36 ±0.12	1.47 ±0.30	1.72 ±0.42	1.14 ±0.32
1,2위	8.58 ±1.55	9.38 ±1.23	10.20 ±1.44	10.27 ±0.85	12.43 ±1.61	12.88 ±2.31	13.09 ±2.26	14.45 ±2.55	11.11 ±2.41

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
3위	2.45 ±0.83	2.70 ±0.68	2.61 ±0.57	2.54 ±0.44	2.89 ±0.65	3.03 ±0.58	3.76 ±0.77	3.38 ±0.76	2.83 ±0.72
4위	1.75 ±0.16	1.95 ±0.37	2.27 ±0.31	2.42 ±0.54	2.40 ±0.35	2.90 ±0.62	3.10 ±1.03	3.09 ±0.99	2.40 ±0.66
직장	0.56 ±0.13	0.61 ±0.25	0.60 ±0.19	0.57 ±0.08	0.56 ±0.13	0.70 ±0.13	0.70 ±0.17	0.77 ±0.20	0.62 ±0.18
소장	5.45 ±0.91	5.95 ±0.87	6.61 ±0.93	7.05 ±1.05	7.50 ±1.20	7.99 ±0.69	8.00 ±1.33	8.54 ±1.27	6.98 ±1.35
대장	3.72 ±0.73	3.40 ±0.76	4.82 ±1.59	4.26 ±0.84	3.94 ±1.08	6.05 ±2.44	4.52 ±1.20	5.04 ±1.27	4.40 ±1.48
배지방	22.50 ±2.55	24.00 ±2.38	27.12 ±2.97	27.11 ±1.14	29.71 ±2.07	33.55 ±4.31	33.16 ±5.32	35.28 ±4.85	28.35 ±4.97
내장지방	15.87 ±5.89	21.55 ±5.87	22.66 ±6.90	26.14 ±4.62	30.63 ±6.97	26.78 ±9.35	25.97 ±8.91	29.70 ±5.50	24.71 ±7.85
생식기	0.76 ±0.18	0.98 ±0.35	1.10 ±0.55	1.23 ±0.40	0.80 ±0.50	1.39 ±0.63	1.59 ±1.20	1.63 ±0.74	1.12 ±0.61
유방	3.05 ±1.27	3.66 ±0.76	4.21 ±1.40	3.66 ±1.22	3.95 ±1.27	4.74 ±1.38	5.72 ±2.87	6.09 ±3.43	4.21 ±1.80
신장	0.78 ±0.10	0.80 ±0.07	0.89 ±0.05	0.90 ±0.09	0.93 ±0.11	1.04 ±0.11	1.02 ±0.09	1.21 ±0.09	0.92 ±0.15
신지방	10.77 ±4.14	13.35 ±3.47	14.30 ±4.79	13.97 ±4.20	17.53 ±3.64	21.11 ±5.21	12.51 ±2.87	16.16 ±2.89	14.98 ±4.81
기타지방	5.52 ±2.58	6.80 ±2.04	8.00 ±2.74	8.20 ±4.02	9.20 ±3.43	8.42 ±3.40	11.23 ±8.76	10.41 ±6.31	8.25 ±4.09
도축지방	54.65 ±13.06	65.69 ±7.20	72.07 ±13.77	75.41 ±10.09	87.08 ±8.37	89.86 ±12.47	82.87 ±11.48	91.55 ±11.90	76.28 ±15.77

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 160 육질 3등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
온도체중	274.60 ±21.25	300.83 ±10.34	339.98 ±13.55	377.41 ±15.66	403.45 ±17.94	438.84 ±17.71	481.31 ±5.46	497.56 ±13.07	544.70 ±13.71	390.42 ±78.12
머리	22.84 ±4.60	23.40 ±2.83	25.43 ±4.12	25.40 ±4.72	25.21 ±3.10	31.99 ±4.43	33.59 ±5.31	34.05 ±1.50	36.42 ±2.64	27.59 ±5.87
앞족	0.90 ±0.13	0.86 ±0.10	0.85 ±0.08	0.81 ±0.10	0.82 ±0.09	0.84 ±0.11	0.79 ±0.13	0.79 ±0.05	0.78 ±0.02	0.83 ±0.10
뒷족	4.36 ±0.30	4.60 ±0.55	5.06 ±0.48	5.29 ±0.60	5.57 ±0.36	5.92 ±0.60	6.63 ±0.65	6.64 ±0.37	7.17 ±0.51	5.51 ±0.95
혈액	3.43 ±0.50	3.02 ±0.63	3.04 ±0.43	2.96 ±0.50	2.92 ±0.42	3.18 ±0.55	2.79 ±0.45	3.13 ±0.52	2.64 ±0.23	3.02 ±0.50
가죽	28.75 ±3.50	31.47 ±5.02	33.31 ±5.87	34.99 ±4.73	35.99 ±4.36	42.57 ±5.62	46.65 ±2.10	49.30 ±1.84	52.53 ±4.06	37.72 ±8.30
내장총량	19.56 ±4.21	20.79 ±2.94	20.59 ±2.59	21.02 ±2.25	21.58 ±2.31	18.61 ±2.44	18.11 ±2.79	18.50 ±2.27	17.65 ±2.07	19.97 ±2.86
식도	0.36 ±0.07	0.40 ±0.02	0.44 ±0.05	0.48 ±0.08	0.52 ±0.04	0.51 ±0.11	0.56 ±0.10	0.64 ±0.05	0.61 ±0.10	0.48 ±0.10
기관	0.15 ±0.04	0.14 ±0.02	0.14 ±0.03	0.15 ±0.04	0.17 ±0.03	0.16 ±0.05	0.13 ±0.03	0.16 ±0.04	0.15 ±0.03	0.15 ±0.03
허파	2.50 ±0.21	2.74 ±0.40	2.76 ±0.25	2.84 ±0.43	2.97 ±0.39	3.19 ±0.54	3.61 ±0.28	3.65 ±0.33	4.08 ±0.41	3.03 ±0.56
염통	0.45 ±0.03	0.39 ±0.05	0.38 ±0.05	0.38 ±0.05	0.35 ±0.04	0.37 ±0.04	0.36 ±0.05	0.36 ±0.04	0.37 ±0.03	0.38 ±0.05
간	5.67 ±0.73	5.81 ±1.16	6.26 ±0.84	6.58 ±0.85	6.62 ±0.47	6.80 ±0.72	8.11 ±0.95	7.42 ±1.09	7.84 ±1.15	6.65 ±1.10
이자	0.10 ±0.03	0.10 ±0.03	0.10 ±0.03	0.09 ±0.02	0.09 ±0.02	0.09 ±0.02	0.09 ±0.01	0.10 ±0.03	0.10 ±0.02	0.09 ±0.02
지라	0.92 ±0.18	1.08 ±0.25	1.13 ±0.27	1.13 ±0.21	1.09 ±0.13	1.33 ±0.20	1.48 ±0.14	1.44 ±0.22	1.53 ±0.30	1.20 ±0.27
1,2위	1.91 ±0.17	1.90 ±0.44	1.98 ±0.34	1.74 ±0.25	1.73 ±0.20	1.58 ±0.21	1.54 ±0.10	1.58 ±0.19	1.56 ±0.25	1.75 ±0.30

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
3위	2.56 ±0.45	2.79 ±0.68	2.86 ±0.54	2.93 ±0.53	2.81 ±0.49	3.02 ±0.42	3.00 ±0.78	3.75 ±0.93	3.24 ±0.72	2.94 ±0.62
4위	0.41 ±0.05	0.36 ±0.10	0.38 ±0.08	0.35 ±0.06	0.37 ±0.05	0.32 ±0.05	0.34 ±0.06	0.31 ±0.07	0.33 ±0.03	0.36 ±0.07
직장	0.56 ±0.08	0.55 ±0.14	0.53 ±0.11	0.58 ±0.11	0.58 ±0.09	0.69 ±0.10	0.66 ±0.08	0.71 ±0.15	0.71 ±0.18	0.60 ±0.13
소장	1.20 ±0.15	1.11 ±0.21	1.07 ±0.14	1.15 ±0.20	1.09 ±0.12	1.02 ±0.15	1.06 ±0.14	0.97 ±0.06	0.98 ±0.08	1.09 ±0.16
대장	0.76 ±0.13	0.66 ±0.15	0.72 ±0.17	0.68 ±0.22	0.69 ±0.14	0.65 ±0.17	0.50 ±0.11	0.66 ±0.10	0.56 ±0.16	0.66 ±0.17
배지방	2.34 ±1.16	2.90 ±1.17	2.75 ±0.80	3.11 ±1.07	3.53 ±1.12	2.88 ±1.15	2.70 ±0.89	2.59 ±0.67	2.34 ±0.78	2.87 ±1.03
내장지방	11.99 ±6.45	12.08 ±3.54	13.49 ±4.07	19.14 ±6.88	24.06 ±7.19	20.76 ±9.55	25.97 ±10.12	17.44 ±2.92	25.01 ±8.52	18.44 ±8.21
생식기	0.30 ±0.12	0.31 ±0.07	0.26 ±0.09	0.28 ±0.10	0.21 ±0.07	0.31 ±0.10	0.31 ±0.06	0.34 ±0.05	0.32 ±0.03	0.29 ±0.09
유방	1.86 ±0.90	2.53 ±1.38	2.05 ±1.40	2.67 ±1.80	2.97 ±1.52	3.31 ±2.09	2.05 ±1.31	1.53 ±1.06	2.31 ±0.86	2.45 ±1.53
신장	0.20 ±0.02	0.17 ±0.03	0.17 ±0.03	0.16 ±0.02	0.15 ±0.02	0.13 ±0.05	0.14 ±0.02	0.14 ±0.02	0.15 ±0.01	0.16 ±0.03
신지방	7.09 ±3.80	11.49 ±5.15	10.29 ±2.75	12.18 ±4.26	14.23 ±4.84	14.84 ±8.24	11.76 ±3.98	12.47 ±3.21	14.32 ±3.56	12.02 ±5.01
기타지방	3.28 ±2.04	4.17 ±2.64	3.99 ±1.59	6.14 ±2.95	8.00 ±4.43	6.87 ±1.83	5.04 ±3.31	3.92 ±2.36	6.37 ±3.07	5.43 ±3.06
도축지방	33.20 ±17.84	42.65 ±16.93	43.10 ±11.86	56.65 ±19.29	69.42 ±21.50	62.67 ±24.91	63.82 ±21.40	54.25 ±10.63	65.77 ±15.74	54.09 ±21.04

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 161 육량 A등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
온도체중	293.90 ±12.90	305.70 ±9.50	343.40 ±17.20	372.40 ±17.60	401.30 ±18.10	438.00 ±18.10	480.70 ±8.60	498.50 ±17.30	542.20 ±13.10	402.20 ±78.40
머리	21.57 ±4.70	22.43 ±2.83	25.62 ±5.04	27.12 ±4.41	26.77 ±3.68	31.49 ±4.37	32.16 ±4.98	33.84 ±3.23	35.53 ±3.48	28.28 ±5.93
앞족	3.95 ±0.34	4.42 ±0.47	4.72 ±0.43	5.18 ±0.47	5.24 ±0.31	5.76 ±0.29	6.13 ±0.68	6.52 ±0.49	6.56 ±0.42	5.34 ±0.91
뒷족	4.40 ±0.35	4.77 ±0.64	5.08 ±0.49	5.48 ±0.45	5.50 ±0.23	5.91 ±0.31	6.61 ±0.54	6.89 ±0.50	7.14 ±0.51	5.69 ±0.94
혈액	15.00 ±2.00	16.00 ±3.00	17.00 ±2.00	18.00 ±3.00	18.00 ±3.00	22.00 ±4.00	22.00 ±3.00	24.00 ±5.00	23.00 ±2.00	19.00 ±4.00
가죽	26.83 ±1.77	31.90 ±4.81	33.67 ±5.97	36.42 ±5.14	38.78 ±4.56	41.70 ±5.89	46.51 ±2.83	46.64 ±3.43	51.96 ±3.53	38.92 ±8.33
내장총량	96.91 ±14.63	102.05 ±15.00	117.87 ±16.23	124.49 ±12.89	137.65 ±18.96	134.82 ±17.03	147.71 ±18.19	155.20 ±17.97	153.78 ±15.80	129.15 ±24.01
식도	0.34 ±0.05	0.39 ±0.04	0.43 ±0.05	0.45 ±0.07	0.48 ±0.06	0.50 ±0.09	0.56 ±0.08	0.59 ±0.08	0.61 ±0.08	0.48 ±0.10
기관	0.61 ±0.22	0.78 ±0.19	0.79 ±0.23	0.90 ±0.24	0.98 ±0.28	1.27 ±0.70	1.15 ±0.28	1.22 ±0.24	1.25 ±0.21	0.98 ±0.38
허파	2.30 ±0.26	2.52 ±0.32	2.82 ±0.93	2.84 ±0.35	2.82 ±0.29	3.02 ±0.41	3.46 ±0.43	3.57 ±0.44	4.01 ±0.37	3.01 ±0.68
염통	2.06 ±0.25	2.00 ±0.14	2.10 ±0.26	2.31 ±0.28	2.23 ±0.20	2.63 ±0.25	2.79 ±0.21	2.85 ±0.19	3.06 ±0.23	2.41 ±0.42
간	5.58 ±0.66	5.64 ±0.77	6.02 ±0.83	6.33 ±0.64	6.94 ±0.58	7.24 ±0.75	8.03 ±1.00	7.61 ±1.04	8.36 ±1.24	6.78 ±1.22
이자	0.57 ±0.20	0.49 ±0.18	0.51 ±0.10	0.51 ±0.14	0.53 ±0.12	0.71 ±0.14	0.81 ±0.15	0.71 ±0.09	0.78 ±0.20	0.61 ±0.18
지라	0.89 ±0.15	0.89 ±0.15	1.09 ±0.28	1.15 ±0.21	1.08 ±0.12	1.30 ±0.13	1.43 ±0.16	1.54 ±0.20	1.54 ±0.28	1.20 ±0.29
1,2위	8.04 ±1.35	9.04 ±1.08	9.58 ±1.92	10.29 ±1.44	10.92 ±1.42	11.57 ±1.54	12.20 ±0.78	13.06 ±1.76	13.34 ±1.88	10.79 ±2.15

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
3위	2.47 ±0.52	2.53 ±0.62	2.53 ±0.47	2.76 ±0.52	2.85 ±0.32	3.23 ±0.51	3.05 ±0.76	3.70 ±0.96	3.36 ±0.65	2.90 ±0.68
4위	1.85 ±0.26	1.86 ±0.30	2.03 ±0.41	2.16 ±0.42	2.43 ±0.40	2.43 ±0.31	2.66 ±0.33	2.71 ±0.78	2.75 ±0.32	2.29 ±0.50
직장	0.47 ±0.12	0.53 ±0.14	0.51 ±0.06	0.58 ±0.15	0.55 ±0.10	0.65 ±0.11	0.63 ±0.10	0.66 ±0.19	0.73 ±0.17	0.58 ±0.14
소장	6.21 ±0.39	5.94 ±1.11	6.07 ±0.96	6.95 ±1.36	7.20 ±0.85	7.15 ±0.95	8.18 ±1.32	8.16 ±1.02	8.72 ±0.89	7.08 ±1.37
대장	4.02 ±0.56	3.96 ±0.93	4.15 ±0.89	4.28 ±1.36	4.19 ±0.87	4.45 ±1.07	3.77 ±0.69	4.67 ±1.33	4.86 ±1.52	4.25 ±1.08
배지방	15.2 ±4.22	13.02 ±4.15	18.59 ±6.27	19.41 ±8.56	22.68 ±7.05	21.82 ±7.69	22.21 ±5.85	22.31 ±6.51	23.44 ±7.51	19.82 ±7.23
내장지방	12.39 ±7.18	13.48 ±4.82	18.34 ±7.68	18.47 ±8.20	23.94 ±6.70	22.22 ±8.55	27.84 ±9.49	22.49 ±8.01	25.51 ±7.31	20.41 ±8.70
생식기	1.16 ±0.81	1.24 ±0.54	1.34 ±0.53	1.70 ±0.68	1.34 ±0.65	1.91 ±0.98	2.05 ±0.96	1.92 ±1.23	2.38 ±0.76	1.66 ±0.84
유방	1.99 ±1.28	2.04 ±0.75	2.92 ±1.84	2.21 ±1.12	3.01 ±1.60	2.78 ±1.09	2.99 ±1.94	2.89 ±1.85	2.71 ±1.35	2.63 ±1.47
신장	0.84 ±0.14	0.81 ±0.13	0.89 ±0.09	0.97 ±0.10	0.98 ±0.11	0.90 ±0.33	1.10 ±0.18	1.08 ±0.12	1.22 ±0.11	0.97 ±0.19
신지방	10.32 ±3.53	10.37 ±3.39	11.23 ±3.50	12.31 ±5.13	13.94 ±4.05	14.64 ±8.12	13.56 ±4.68	13.70 ±3.79	14.42 ±2.97	12.65 ±4.74
기타지방	3.97 ±1.62	4.62 ±3.64	5.18 ±2.33	5.35 ±2.20	7.65 ±4.44	7.42 ±2.09	6.29 ±3.56	7.04 ±4.64	6.64 ±3.30	5.97 ±3.21
도축지방	41.93 ±12.88	41.49 ±14.36	53.35 ±17.50	55.53 ±22.52	68.21 ±20.78	66.11 ±24.12	69.90 ±20.60	65.53 ±21.63	70.00 ±14.17	58.84 ±21.21

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 162 육량 B등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
온도체중	263.70 ±19.90	312.80 ±22.10	341.30 ±10.40	379.60 ±21.20	406.40 ±14.40	438.10 ±13.00	480.50 ±17.70	508.90 ±14.80	569.70 ±39.00	417.80 ±84.80
머리	21.60 ±3.04	20.12 ±1.76	21.88 ±2.09	22.73 ±3.01	25.06 ±2.40	25.93 ±3.44	27.68 ±2.99	30.76 ±2.83	33.19 ±2.43	25.43 ±4.66
앞족	3.94 ±0.51	4.01 ±0.53	4.24 ±0.43	4.79 ±0.66	5.24 ±0.75	5.63 ±0.75	6.11 ±0.61	6.53 ±0.43	6.91 ±0.61	5.33 ±1.12
뒷족	4.26 ±0.38	4.47 ±0.53	4.76 ±0.36	5.10 ±0.61	5.52 ±0.56	5.99 ±0.57	6.38 ±0.56	7.06 ±0.44	7.54 ±0.84	5.72 ±1.12
혈액	15.00 ±2.00	16.00 ±3.00	17.00 ±2.00	17.00 ±3.00	18.00 ±3.00	19.00 ±4.00	19.00 ±4.00	21.00 ±3.00	24.00 ±6.00	18.00 ±4.00
가죽	28.85 ±3.65	29.39 ±6.26	29.96 ±2.82	32.79 ±3.70	35.60 ±3.57	39.40 ±6.05	41.73 ±5.11	46.42 ±4.22	49.08 ±8.48	37.26 ±8.15
내장총량	88.82 ±24.67	113.15 ±14.96	119.43 ±5.92	134.37 ±16.51	141.76 ±16.33	151.42 ±16.93	153.15 ±14.55	167.17 ±11.94	183.11 ±16.25	141.38 ±28.04
식도	0.35 ±0.08	0.38 ±0.04	0.42 ±0.06	0.47 ±0.07	0.53 ±0.07	0.51 ±0.10	0.54 ±0.08	0.54 ±0.10	0.60 ±0.10	0.49 ±0.10
기관	0.60 ±0.11	0.70 ±0.13	0.80 ±0.15	1.02 ±0.22	1.05 ±0.20	1.10 ±0.25	1.14 ±0.34	1.08 ±0.33	1.06 ±0.35	0.99 ±0.30
허파	2.40 ±0.25	2.52 ±0.37	2.47 ±0.37	2.66 ±0.50	2.81 ±0.47	2.91 ±0.54	2.87 ±0.37	3.23 ±0.18	3.52 ±0.32	2.82 ±0.50
염통	1.89 ±0.23	1.98 ±0.23	2.11 ±0.26	2.10 ±0.40	2.33 ±0.33	2.36 ±0.30	2.61 ±0.31	2.73 ±0.35	2.83 ±0.34	2.34 ±0.43
간	5.36 ±0.67	5.74 ±1.09	6.01 ±0.92	6.24 ±0.76	6.42 ±0.63	7.29 ±0.73	7.35 ±0.55	8.35 ±0.65	9.00 ±0.87	6.90 ±1.26
이자	0.43 ±0.09	0.53 ±0.15	0.51 ±0.17	0.57 ±0.13	0.66 ±0.20	0.58 ±0.13	0.63 ±0.21	0.86 ±0.26	0.76 ±0.28	0.61 ±0.20
지라	0.88 ±0.16	1.05 ±0.22	0.92 ±0.22	1.08 ±0.22	1.01 ±0.10	1.19 ±0.17	1.25 ±0.18	1.63 ±0.77	1.90 ±1.11	1.20 ±0.49
1,2위	8.55 ±1.49	9.78 ±2.18	10.13 ±1.81	10.19 ±1.30	11.11 ±1.24	11.60 ±1.93	11.84 ±1.55	13.66 ±1.30	14.18 ±2.17	11.24 ±2.22

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
3위	2.27 ±0.37	2.97 ±0.68	3.08 ±0.80	2.74 ±0.57	2.82 ±0.43	2.84 ±0.51	2.64 ±0.47	3.16 ±0.58	3.48 ±0.45	2.86 ±0.60
4위	1.77 ±0.25	1.81 ±0.49	2.08 ±0.34	2.26 ±0.35	2.63 ±0.51	2.49 ±0.35	2.81 ±0.67	2.85 ±0.34	3.05 ±0.52	2.45 ±0.59
직장	0.53 ±0.11	0.59 ±0.08	0.59 ±0.14	0.56 ±0.16	0.64 ±0.20	0.59 ±0.11	0.58 ±0.12	0.62 ±0.10	0.65 ±0.14	0.59 ±0.13
소장	4.97 ±0.64	6.05 ±0.82	5.77 ±0.75	6.56 ±0.75	6.89 ±1.09	7.48 ±1.25	7.73 ±0.94	8.91 ±1.07	8.06 ±0.93	7.02 ±1.37
대장	3.44 ±0.64	3.78 ±1.11	3.71 ±0.93	4.31 ±1.58	4.17 ±1.23	4.04 ±1.47	4.38 ±1.50	4.30 ±1.07	4.87 ±1.75	4.15 ±1.36
배지방	9.89 ±5.35	19.43 ±5.25	18.68 ±5.08	24.28 ±6.28	24.33 ±4.75	27.65 ±7.24	29.62 ±6.44	27.23 ±4.91	33.57 ±5.87	24.86 ±8.21
내장지방	10.96 ±5.18	17.06 ±5.25	17.76 ±6.53	24.45 ±6.46	29.25 ±9.36	28.60 ±6.06	32.72 ±8.37	33.91 ±8.41	32.22 ±4.31	26.14 ±9.55
생식기	1.23 ±0.50	0.94 ±0.27	0.89 ±0.27	0.98 ±0.59	0.84 ±0.41	0.84 ±0.55	0.70 ±0.39	1.00 ±0.88	1.32 ±0.57	0.93 ±0.53
유방	2.20 ±1.34	3.09 ±1.33	3.43 ±1.53	3.76 ±1.29	3.78 ±0.93	4.52 ±1.42	4.73 ±1.58	5.42 ±2.53	7.74 ±3.13	4.33 ±2.11
신장	0.84 ±0.08	0.86 ±0.15	0.90 ±0.18	0.92 ±0.14	0.92 ±0.14	0.95 ±0.13	0.98 ±0.11	1.11 ±0.10	1.25 ±0.18	0.96 ±0.17
신지방	6.14 ±3.03	14.56 ±4.57	12.90 ±3.68	14.79 ±5.19	16.83 ±2.58	17.35 ±5.10	16.13 ±4.41	12.53 ±2.00	19.65 ±5.18	15.06 ±5.23
기타지방	2.81 ±1.36	6.36 ±2.82	6.27 ±2.65	7.68 ±2.76	9.36 ±4.03	9.41 ±3.45	9.50 ±4.00	9.31 ±3.44	10.87 ±2.93	8.23 ±3.70
도축지방	29.79 ±14.26	57.40 ±15.34	55.62 ±13.41	71.20 ±17.32	79.77 ±16.42	83.01 ±16.40	87.97 ±17.44	82.98 ±12.17	96.31 ±10.85	74.29 ±22.71

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 163 육량 C등급 한우 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
온도체중	341.20 ±27.90	383.50 ±20.50	415.80 ±20.60	446.00 ±19.50	487.50 ±19.30	515.40 ±19.70	557.20 ±15.50	561.70 ±9.40	452.10 ±66.00
머리	21.67 ±3.25	22.30 ±2.41	23.84 ±2.36	25.05 ±2.54	26.72 ±2.23	29.21 ±1.97	29.88 ±3.93	31.70 ±2.61	25.59 ±3.80
앞족	4.22 ±0.57	4.58 ±0.50	4.79 ±0.37	5.28 ±0.31	5.76 ±0.45	6.37 ±0.81	6.18 ±0.46	7.42 ±0.38	5.39 ±0.93
뒷족	4.32 ±0.43	4.90 ±0.49	5.06 ±0.42	5.63 ±0.43	6.16 ±0.50	6.67 ±0.46	6.59 ±0.38	7.91 ±0.64	5.72 ±0.96
혈액	15.00 ±2.00	19.00 ±4.00	18.00 ±3.00	18.00 ±3.00	19.00 ±3.00	19.00 ±4.00	21.00 ±5.00	21.00 ±5.00	19.00 ±4.00
가죽	29.26 ±3.74	31.90 ±3.41	34.13 ±3.46	37.80 ±3.57	41.70 ±4.66	45.11 ±5.11	48.20 ±3.99	46.75 ±1.39	38.37 ±7.04
내장총량	106.03 ±21.68	129.15 ±15.49	139.75 ±7.60	150.26 ±15.84	148.32 ±10.14	155.39 ±10.21	159.62 ±20.02	178.03 ±21.66	143.71 ±20.38
식도	0.39 ±0.03	0.43 ±0.09	0.44 ±0.06	0.50 ±0.05	0.51 ±0.09	0.56 ±0.15	0.68 ±0.21	0.70 ±0.09	0.50 ±0.13
기관	0.79 ±0.16	0.86 ±0.22	0.90 ±0.28	0.96 ±0.22	1.01 ±0.26	1.15 ±0.28	1.18 ±0.25	1.47 ±0.50	0.99 ±0.29
허파	2.27 ±0.47	2.51 ±0.32	2.57 ±0.26	2.69 ±0.18	2.84 ±0.25	3.15 ±0.45	3.47 ±0.57	3.48 ±0.40	2.79 ±0.47
염통	1.90 ±0.29	2.16 ±0.18	2.16 ±0.27	2.22 ±0.28	2.52 ±0.25	2.57 ±0.29	2.55 ±0.32	2.70 ±0.59	2.32 ±0.34
간	5.20 ±0.35	6.23 ±0.76	6.68 ±0.74	6.60 ±0.45	7.21 ±0.44	7.23 ±0.43	8.36 ±1.14	8.13 ±0.84	6.83 ±0.96
이자	0.44 ±0.12	0.57 ±0.17	0.62 ±0.21	0.65 ±0.23	0.70 ±0.23	0.61 ±0.19	0.58 ±0.11	0.82 ±0.43	0.62 ±0.22
지라	1.10 ±0.40	0.98 ±0.13	1.02 ±0.17	1.07 ±0.18	1.22 ±0.19	1.25 ±0.25	1.39 ±0.37	1.82 ±0.61	1.15 ±0.29
1,2위	8.39 ±1.97	9.88 ±1.43	10.55 ±1.47	11.65 ±1.54	12.10 ±1.83	12.97 ±1.55	12.90 ±2.34	15.05 ±0.80	11.41 ±2.19

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
3위	2.35 ±0.58	2.57 ±0.61	2.60 ±0.58	2.71 ±0.53	2.74 ±0.44	2.99 ±0.42	2.89 ±0.53	3.67 ±0.43	2.74 ±0.57
4위	1.66 ±0.19	2.19 ±0.33	2.26 ±0.41	2.58 ±0.51	2.58 ±0.32	2.76 ±0.58	2.72 ±0.68	3.60 ±0.79	2.47 ±0.57
직장	0.56 ±0.33	0.52 ±0.08	0.53 ±0.17	0.52 ±0.11	0.57 ±0.11	0.67 ±0.28	0.66 ±0.27	0.70 ±0.35	0.57 ±0.19
소장	5.97 ±1.38	6.99 ±1.09	7.01 ±0.67	7.61 ±0.81	8.11 ±0.78	7.75 ±0.97	8.41 ±1.65	7.61 ±0.28	7.47 ±1.13
대장	3.18 ±0.65	4.40 ±1.44	4.31 ±0.95	4.05 ±1.00	4.33 ±1.82	4.50 ±0.90	4.60 ±1.35	4.42 ±1.12	4.27 ±1.29
배지방	19.51 ±6.67	22.98 ±4.06	27.09 ±4.99	28.64 ±5.62	25.24 ±5.55	28.64 ±5.05	28.25 ±6.06	27.28 ±6.41	25.97 ±5.78
내장지방	19.65 ±10.41	25.23 ±6.51	28.84 ±3.87	34.03 ±6.44	31.93 ±5.63	29.88 ±3.65	32.23 ±7.29	32.49 ±11.91	29.45 ±7.23
생식기	1.30 ±0.54	0.95 ±0.34	0.93 ±0.20	0.75 ±0.42	0.67 ±0.33	0.69 ±0.56	0.73 ±0.42	1.14 ±0.20	0.84 ±0.42
유방	3.92 ±1.07	5.24 ±2.25	4.41 ±1.69	5.00 ±2.53	4.79 ±1.70	5.49 ±2.06	6.27 ±2.48	8.10 ±1.73	5.13 ±2.14
신장	0.77 ±0.11	0.92 ±0.08	0.91 ±0.09	0.90 ±0.09	1.00 ±0.11	1.05 ±0.12	1.06 ±0.09	1.15 ±0.10	0.96 ±0.13
신지방	11.92 ±3.04	14.74 ±3.13	13.58 ±4.71	17.11 ±5.06	17.48 ±5.33	16.70 ±3.15	15.15 ±3.34	20.58 ±3.91	15.79 ±4.53
기타지방	5.49 ±0.97	8.47 ±2.54	7.77 ±2.69	8.73 ±4.01	9.55 ±3.72	11.17 ±5.52	11.33 ±4.06	12.33 ±4.78	9.14 ±3.92
도축지방	56.58 ±18.58	71.42 ±11.89	77.27 ±9.79	88.51 ±12.94	84.20 ±9.92	86.39 ±10.55	86.95 ±13.26	92.67 ±24.90	80.35 ±15.02

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 164 한우 도체등급에 따른 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
온도체중	505.00 ±54.70	457.40 ±67.30	431.30 ±67.60	409.60 ±79.60	390.40 ±78.10	402.20 ±78.40	417.80 ±84.80	452.10 ±66.00
머리	27.41 ±3.54	26.56 ±3.88	25.69 ±4.42	25.14 ±5.26	27.59 ±5.87	28.28 ±5.93	25.43 ±4.66	25.59 ±3.80
앞족	6.06 ±0.80	5.56 ±0.92	5.29 ±0.92	5.17 ±1.11	5.24 ±0.94	5.34 ±0.91	5.33 ±1.12	5.39 ±0.93
뒷족	6.56 ±0.92	5.92 ±0.92	5.70 ±0.94	5.53 ±1.09	5.51 ±0.95	5.69 ±0.94	5.72 ±1.12	5.72 ±0.96
혈액	18.00 ±5.00	19.00 ±3.00	19.00 ±3.00	18.00 ±4.00	19.00 ±4.00	19.00 ±4.00	18.00 ±4.00	19.00 ±4.00
가죽	41.50 ±5.72	39.83 ±7.24	37.94 ±7.30	36.59 ±8.48	37.72 ±8.30	38.92 ±8.33	37.26 ±8.15	38.37 ±7.04
내장총량	157.38 ±18.40	142.32 ±21.40	142.49 ±25.69	140.04 ±24.23	126.03 ±23.76	129.15 ±24.01	141.38 ±28.04	143.71 ±20.38
식도	0.54 ±0.10	0.49 ±0.12	0.49 ±0.12	0.48 ±0.10	0.48 ±0.10	0.48 ±0.10	0.49 ±0.10	0.50 ±0.13
기관	1.10 ±0.31	1.03 ±0.32	0.96 ±0.38	0.99 ±0.29	0.95 ±0.29	0.98 ±0.38	0.99 ±0.30	0.99 ±0.29
허파	3.06 ±0.46	2.85 ±0.51	2.73 ±0.56	2.76 ±0.57	3.03 ±0.56	3.01 ±0.68	2.82 ±0.50	2.79 ±0.47
염통	2.44 ±0.34	2.39 ±0.40	2.35 ±0.39	2.27 ±0.39	2.39 ±0.42	2.41 ±0.42	2.34 ±0.43	2.32 ±0.34
간	7.68 ±1.09	7.02 ±1.14	6.84 ±0.98	6.67 ±1.28	6.65 ±1.10	6.78 ±1.22	6.90 ±1.26	6.83 ±0.96
이자	0.64 ±0.25	0.66 ±0.23	0.63 ±0.20	0.56 ±0.17	0.60 ±0.19	0.61 ±0.18	0.61 ±0.20	0.62 ±0.22
지라	1.38 ±0.80	1.18 ±0.38	1.15 ±0.30	1.14 ±0.32	1.20 ±0.27	1.20 ±0.29	1.20 ±0.49	1.15 ±0.29
1,2위	12.31 ±1.78	11.10 ±2.05	11.11 ±2.44	11.11 ±2.41	10.98 ±1.93	10.79 ±2.15	11.24 ±2.22	11.41 ±2.19

구분	육질등급					육량등급		
	1^{++}	1^{+}	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
3위	2.94 ±0.56	2.75 ±0.53	2.73 ±0.58	2.83 ±0.72	2.94 ±0.62	2.90 ±0.68	2.86 ±0.60	2.74 ±0.57
4위	2.74 ±0.41	2.47 ±0.59	2.44 ±0.53	2.40 ±0.66	2.25 ±0.47	2.29 ±0.50	2.45 ±0.59	2.47 ±0.57
직장	0.59 ±0.11	0.54 ±0.16	0.55 ±0.18	0.62 ±0.18	0.60 ±0.13	0.58 ±0.14	0.59 ±0.13	0.57 ±0.19
소장	8.19 ±1.20	7.36 ±1.07	7.38 ±1.25	6.98 ±1.35	6.85 ±1.33	7.08 ±1.37	7.02 ±1.37	7.47 ±1.13
대장	4.51 ±1.38	4.01 ±1.17	4.21 ±1.15	4.40 ±1.48	4.16 ±1.14	4.25 ±1.08	4.15 ±1.36	4.27 ±1.29
배지방	28.11 ±5.71	25.46 ±5.38	26.37 ±6.45	24.71 ±7.85	18.20 ±7.09	19.82 ±7.23	24.86 ±8.21	25.97 ±5.78
내장지방	32.89 ±5.29	28.90 ±6.85	27.97 ±8.53	26.54 ±8.95	18.44 ±8.21	20.41 ±8.70	26.14 ±9.55	29.45 ±7.23
생식기	0.69 ±0.42	0.68 ±0.35	0.79 ±0.41	1.12 ±0.61	1.83 ±0.69	1.66 ±0.84	0.93 ±0.53	0.84 ±0.42
유방	5.67 ±2.32	5.07 ±2.14	4.59 ±2.13	4.21 ±1.80	2.45 ±1.53	2.63 ±1.47	4.33 ±2.11	5.13 ±2.14
신장	1.03 ±0.14	0.96 ±0.17	0.94 ±0.14	0.92 ±0.15	0.99 ±0.19	0.97 ±0.19	0.96 ±0.17	0.96 ±0.13
신지방	17.65 ±5.22	15.23 ±4.28	15.70 ±4.51	14.98 ±4.81	12.02 ±5.01	12.65 ±4.74	15.06 ±5.23	15.79 ±4.53
기타지방	9.34 ±3.17	8.79 ±3.33	9.09 ±3.83	8.25 ±4.09	5.43 ±3.06	5.97 ±3.21	8.23 ±3.70	9.14 ±3.92
도축지방	87.99 ±12.69	78.38 ±14.59	79.13 ±17.32	74.48 ±21.02	54.09 ±21.04	58.84 ±21.21	74.29 ±22.71	80.35 ±15.02

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 165 도체등급에 따른 한우 암소의 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
온도체중	483.10 ±69.60	391.80 ±44.30	399.30 ±53.50	383.60 ±69.50	351.70 ±47.40	338.30 ±40.30	367.20 ±61.60	415.30 ±52.60
머리	28.22 ±2.34	22.19 ±2.32	22.95 ±3.59	22.62 ±3.82	22.21 ±2.46	21.75 ±1.97	22.41 ±3.79	23.32 ±3.35
앞족	5.75 ±1.25	4.44 ±0.64	4.64 ±0.78	4.79 ±1.10	4.70 ±0.87	4.53 ±0.68	4.61 ±1.00	4.90 ±0.96
뒷족	6.36 ±1.50	4.77 ±0.64	5.04 ±0.79	5.11 ±1.03	4.91 ±0.72	4.79 ±0.58	4.98 ±0.88	5.19 ±0.99
혈액	19.00 ±4.00	17.00 ±3.00	18.00 ±3.00	17.00 ±3.00	17.00 ±3.00	17.00 ±2.00	17.00 ±3.00	18.00 ±4.00
가죽	37.43 ±8.59	32.14 ±4.90	32.53 ±4.74	32.33 ±5.23	30.35 ±4.18	29.59 ±3.84	31.24 ±4.64	33.68 ±5.19
내장총량	160.18 ±20.59	132.11 ±25.71	143.25 ±22.55	137.15 ±23.79	130.96 ±18.77	126.72 ±26.29	134.49 ±22.17	143.53 ±19.56
식도	0.50 ±0.12	0.41 ±0.07	0.46 ±0.08	0.46 ±0.10	0.45 ±0.08	0.43 ±0.07	0.45 ±0.09	0.46 ±0.09
기관	1.09 ±0.51	0.89 ±0.30	0.91 ±0.25	0.94 ±0.25	0.89 ±0.26	0.91 ±0.29	0.92 ±0.26	0.92 ±0.26
허파	3.10 ±0.39	2.41 ±0.36	2.50 ±0.35	2.55 ±0.51	2.71 ±0.44	2.44 ±0.27	2.65 ±0.51	2.59 ±0.46
염통	2.51 ±0.28	2.10 ±0.39	2.25 ±0.39	2.19 ±0.40	2.25 ±0.32	2.15 ±0.28	2.17 ±0.40	2.28 ±0.38
간	7.69 ±0.66	6.15 ±0.95	6.53 ±0.90	6.26 ±0.97	6.37 ±0.92	6.10 ±0.94	6.32 ±1.01	6.55 ±0.86
이자	0.83 ±0.44	0.65 ±0.23	0.63 ±0.24	0.56 ±0.17	0.57 ±0.16	0.55 ±0.16	0.57 ±0.17	0.63 ±0.24
지라	1.31 ±0.31	0.96 ±0.18	1.00 ±0.23	1.05 ±0.27	1.08 ±0.27	0.96 ±0.18	1.05 ±0.26	1.07 ±0.28
1,2위	12.68 ±2.15	9.84 ±2.32	10.40 ±1.80	10.53 ±2.13	11.22 ±1.64	10.32 ±2.24	10.66 ±1.98	10.83 ±1.91

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
3위	3.27 ±0.84	2.57 ±0.54	2.97 ±0.67	2.72 ±0.68	2.98 ±0.56	2.81 ±0.64	2.94 ±0.70	2.77 ±0.60
4위	2.84 ±0.94	2.28 ±0.65	2.31 ±0.33	2.37 ±0.68	2.27 ±0.40	2.21 ±0.42	2.29 ±0.52	2.43 ±0.62
직장	0.72 ±0.14	0.54 ±0.18	0.54 ±0.12	0.62 ±0.19	0.59 ±0.11	0.57 ±0.13	0.60 ±0.14	0.58 ±0.18
소장	7.47 ±1.61	6.83 ±1.12	7.08 ±1.20	6.65 ±1.14	6.43 ±1.06	6.24 ±1.11	6.34 ±1.04	7.30 ±1.02
대장	4.49 ±0.67	4.21 ±1.25	4.37 ±1.36	4.47 ±1.51	3.81 ±1.17	3.99 ±0.92	4.13 ±1.43	4.45 ±1.45
배지방	25.19 ±2.81	23.45 ±5.91	26.93 ±6.62	24.75 ±7.69	21.47 ±6.19	21.83 ±7.67	23.61 ±7.73	25.79 ±5.51
내장지방	28.69 ±0.59	27.02 ±8.80	28.19 ±8.05	26.39 ±8.87	20.46 ±7.44	21.16 ±8.35	22.54 ±8.13	29.68 ±7.29
생식기	1.15 ±0.13	0.90 ±0.25	1.00 ±0.30	1.00 ±0.39	1.16 ±0.27	1.03 ±0.33	1.04 ±0.30	1.04 ±0.35
유방	6.01 ±0.27	5.11 ±2.53	4.74 ±2.21	4.28 ±1.49	3.32 ±1.80	3.18 ±1.29	3.84 ±1.60	5.15 ±2.17
신장	1.09 ±0.12	0.90 ±0.17	0.89 ±0.11	0.88 ±0.12	0.96 ±0.14	0.87 ±0.14	0.92 ±0.15	0.92 ±0.12
신지방	21.83 ±4.84	14.95 ±4.71	14.92 ±5.29	15.05 ±5.29	14.30 ±5.09	12.81 ±4.17	15.01 ±5.55	15.99 ±5.10
기타지방	10.20 ±1.14	7.59 ±3.01	8.45 ±3.43	7.86 ±3.12	6.77 ±3.38	6.84 ±3.82	7.51 ±3.51	8.30 ±2.62
도축지방	85.91 ±8.19	73.00 ±17.45	78.48 ±18.01	74.06 ±20.02	63.00 ±19.68	62.63 ±21.97	68.67 ±21.52	79.76 ±13.47

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 166 도체등급에 따른 한우 수소의 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
온도체중	441.50 ±98.90	416.50 ±84.10	429.40 ±74.90	392.00 ±136.10	303.80 ±0.00
머리	31.72 ±3.83	31.22 ±4.55	31.83 ±4.27	29.36 ±4.44	25.20 ±1.70
앞족	5.67 ±0.72	5.60 ±0.81	5.67 ±0.74	5.46 ±1.13	4.70 ±0.28
뒷족	6.23 ±0.81	5.92 ±0.86	6.05 ±0.75	5.81 ±1.26	4.51 ±0.24
혈액	21.00 ±6.00	20.00 ±4.00	20.00 ±4.00	20.00 ±8.00	15.00 ±1.00
가죽	46.81 ±8.76	42.67 ±6.49	43.52 ±6.02	44.39 ±11.73	34.44 ±0.82
내장총량	138.74 ±29.19	122.70 ±26.24	128.49 ±22.20	114.51 ±46.50	85.17 ±1.82
식도	0.49 ±0.12	0.50 ±0.11	0.51 ±0.10	0.47 ±0.17	0.40 ±0.00
기관	1.08 ±0.36	0.98 ±0.30	1.01 ±0.30	1.02 ±0.41	0.76 ±0.06
허파	3.26 ±0.54	3.25 ±0.53	3.30 ±0.51	3.13 ±0.61	2.72 ±0.62
염통	2.59 ±0.26	2.50 ±0.45	2.56 ±0.41	2.27 ±0.41	2.12 ±0.40
간	7.52 ±1.87	6.84 ±1.17	7.02 ±1.18	6.85 ±2.03	5.38 ±0.31
이자	0.60 ±0.18	0.63 ±0.20	0.63 ±0.19	0.61 ±0.25	0.42 ±0.03
지라	1.29 ±0.31	1.28 ±0.24	1.29 ±0.24	1.20 ±0.32	1.24 ±0.23
1,2위	12.02 ±3.13	10.83 ±2.10	11.18 ±1.98	10.89 ±3.70	7.44 ±0.85

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
3위	3.26 ±0.75	2.91 ±0.66	3.01 ±0.68	2.85 ±0.69	2.26 ±0.28
4위	2.63 ±0.85	2.24 ±0.52	2.33 ±0.55	2.29 ±0.83	1.53 ±0.04
직장	0.66 ±0.14	0.61 ±0.14	0.62 ±0.14	0.65 ±0.13	0.36 ±0.08
소장	7.66 ±2.03	7.14 ±1.42	7.40 ±1.34	6.68 ±2.17	4.78 ±1.30
대장	4.30 ±1.29	4.40 ±1.07	4.43 ±1.09	4.3 0±1.16	3.40 ±0.71
배지방	20.12 ±7.21	16.00 ±6.85	17.04 ±6.57	15.04 ±10.33	13.37 ±1.88
내장지방	20.79 ±7.67	17.07 ±8.50	18.27 ±8.31	15.57 ±9.60	10.66 ±1.95
생식기	2.23 ±0.49	2.28 ±0.49	2.31 ±0.50	2.10 ±0.44	1.99 ±0.13
유방	2.74 ±1.18	1.87 ±0.97	1.88 ±0.93	2.57 ±1.42	3.34 ±1.02
신장	1.04 ±0.18	1.01 ±0.22	1.02 ±0.21	1.04 ±0.19	0.77 ±0.10
신지방	13.31 ±3.92	10.49 ±4.37	11.10 ±4.25	10.03 ±5.87	10.44 ±3.20
기타지방	7.41 ±4.57	4.53 ±2.48	4.92 ±2.58	5.58 ±5.68	4.36 ±0.82
도축지방	61.63 ±20.38	48.09 ±19.92	51.34 ±19.25	46.23 ±29.63	38.83 ±6.21

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 167 도체등급에 따른 한우 거세우의 도축 시 발생하는 1차 부산물 생산량(단위: kg)

구분	육질등급				육량등급		
	1^{++}	1^{+}	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
온도체중	508.40 ±53.50	480.30 ±58.50	447.60 ±67.90	468.10 ±57.20	414.60 ±79.90	470.60 ±60.20	492.10 ±47.80
머리	27.28 ±3.72	28.09 ±3.08	27.10 ±3.96	28.51 ±4.22	27.52 ±5.67	27.68 ±3.64	27.65 ±2.71
앞족	6.11 ±0.74	5.95 ±0.65	5.66 ±0.79	5.98 ±0.75	5.54 ±0.95	5.99 ±0.76	5.88 ±0.60
뒷족	6.59 ±0.85	6.32 ±0.61	6.08 ±0.82	6.35 ±0.72	5.95 ±1.01	6.42 ±0.82	6.27 ±0.53
혈액	18.00 ±5.00	20.00 ±3.00	19.00 ±3.00	19.00 ±3.00	19.00 ± 5.00	19.00 ±3.00	19.00 ±4.00
가죽	42.15 ±5.18	42.52 ±5.89	40.72 ±6.39	42.84 ±6.79	39.10 ±7.80	41.88 ±6.01	42.79 ±5.19
내장총량	156.94 ±18.61	145.89 ±18.74	141.37 ±27.45	149.76 ±20.95	134.03 ±26.03	152.37 ±24.71	145.52 ±18.15
식도	0.55 ±0.09	0.52 ±0.12	0.49 ±0.12	0.52 ±0.09	0.46 ±0.09	0.52 ±0.09	0.53 ±0.14
기관	1.10 ±0.29	1.09 ±0.31	0.98 ±0.44	1.09 ±0.35	1.02 ±0.60	1.05 ±0.30	1.06 ±0.31
허파	3.06 ±0.48	3.00 ±0.46	2.84 ±0.59	3.08 ±0.45	3.03 ±0.92	2.93 ±0.43	2.96 ±0.38
염통	2.43 ±0.35	2.49 ±0.35	2.40 ±0.39	2.30 ±0.29	2.36 ±0.41	2.50 ±0.39	2.37 ±0.30
간	7.68 ±1.15	7.32 ±1.05	6.98 ±0.98	7.33 ±1.20	7.05 ±1.36	7.46 ±1.08	7.14 ±0.93
이자	0.61 ±0.21	0.67 ±0.23	0.63 ±0.17	0.54 ±0.19	0.62 ±0.19	0.64 ±0.22	0.62 ±0.19
지라	1.39 ±0.86	1.26 ±0.40	1.23 ±0.31	1.33 ±0.37	1.27 ±0.35	1.34 ±0.63	1.22 ±0.30
1,2위	12.25 ±1.78	11.54 ±1.77	11.40 ±2.58	12.28 ±2.24	10.38 ±2.35	11.85 ±2.01	12.02 ±2.10

구분	육질등급				육량등급		
	1^{++}	1^{+}	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
3위	2.88 ±0.51	2.81 ±0.52	2.60 ±0.48	2.89 ±0.74	2.72 ±0.72	2.79 ±0.49	2.73 ±0.53
4위	2.73 ±0.31	2.54 ±0.56	2.48 ±0.54	2.32 ±0.38	2.29 ±0.50	2.63 ±0.57	2.51 ±0.43
직장	0.57 ±0.10	0.55 ±0.15	0.55 ±0.20	0.58 ±0.14	0.51 ±0.15	0.57 ±0.12	0.57 ±0.20
소장	8.30 ±1.14	7.54 ±1.00	7.59 ±1.25	7.56 ±1.13	7.32 ±1.34	7.74 ±1.15	7.76 ±1.08
대장	4.51 ±1.48	3.93 ±1.14	4.15 ±1.01	4.28 ±1.56	4.10 ±1.18	4.16 ±1.35	4.15 ±1.11
배지방	28.57 ±5.96	26.17 ±5.07	26.16 ±6.42	27.66 ±7.75	24.41 ±5.01	27.67 ±6.78	26.71 ±5.64
내장지방	33.56 ±5.41	29.56 ±6.01	27.51 ±8.67	30.84 ±8.16	25.02 ±8.55	31.31 ±7.77	29.66 ±6.20
생식기	0.62 ±0.41	0.60 ±0.35	0.66 ±0.41	0.74 ±0.38	0.78 ±0.54	0.65 ±0.40	0.59 ±0.28
유방	5.62 ±2.50	5.06 ±2.02	4.56 ±2.10	4.98 ±2.44	3.86 ±1.71	5.10 ±2.33	5.22 ±2.12
신장	1.02 ±0.14	0.99 ±0.16	0.97 ±0.15	0.98 ±0.14	0.95 ±0.14	0.99 ±0.18	0.99 ±0.12
신지방	16.99 ±5.08	15.33 ±4.17	16.10 ±4.02	15.85 ±3.64	16.46 ±4.61	15.94 ±4.38	15.75 ±3.92
기타지방	9.21 ±3.38	9.21 ±3.37	9.34 ±3.99	10.00 ±5.90	7.55 ±2.96	9.35 ±3.16	10.03 ±4.67
도축지방	88.32 ±13.41	80.26 ±13.17	79.11 ±17.08	84.36 ±20.75	73.43 ±16.40	84.27 ±16.46	82.15 ±14.52

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

3) 출하체중에 따른 절식체중 대비 1차 부산물 생산율

표 168 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중(kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
온도체중(kg)	271.13 ±21.27	287.14 ±20.23	309.90 ±16.72	344.96 ±15.51	379.07 ±20.13	409.46 ±18.94	441.06 ±17.03	483.55 ±17.07	509.30 ±18.48	550.09 ±19.05	570.90 ±31.99	425.23 ±79.05
머리	5.36 ±0.81	4.46 ±0.73	4.21 ±0.57	4.23 ±0.76	3.88 ±0.65	3.82 ±0.49	3.80 ±0.61	3.68 ±0.47	3.87 ±0.45	3.80 ±0.51	3.65 ±0.26	3.91 ±0.62
앞족	0.99 ±0.10	0.81 ±0.07	0.83 ±0.12	0.80 ±0.09	0.78 ±0.10	0.77 ±0.08	0.78 ±0.08	0.78 ±0.08	0.80 ±0.08	0.74 ±0.05	0.80 ±0.04	0.79 ±0.09
뒷족	1.06 ±0.07	0.90 ±0.08	0.89 ±0.12	0.87 ±0.09	0.84 ±0.09	0.81 ±0.07	0.82 ±0.07	0.83 ±0.07	0.85 ±0.06	0.80 ±0.06	0.87 ±0.06	0.84 ±0.09
혈액	3.41 ±0.72	3.30 ±0.38	3.13 ±0.55	2.97 ±0.41	2.93 ±0.54	2.74 ±0.43	2.71 ±0.55	2.58 ±0.45	2.63 ±0.55	2.56 ±0.39	2.52 ±0.63	2.79 ±0.53
가죽	7.26 ±0.75	5.64 ±0.46	6.03 ±0.98	5.62 ±0.95	5.45 ±0.74	5.48 ±0.68	5.55 ±0.76	5.58 ±0.66	5.70 ±0.57	5.78 ±0.60	5.39 ±0.62	5.62 ±0.76
내장총량	17.11 ±3.60	21.40 ±3.48	20.34 ±3.23	21.13 ±2.21	21.09 ±2.49	21.16 ±2.05	20.71 ±2.43	19.61 ±1.93	19.62 ±1.48	18.55 ±2.01	20.21 ±1.94	20.38 ±2.43
식도	0.08 ±0.02	0.07 ±0.01	0.08 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.02	0.07 ±0.01	0.07 ±0.01
기관	0.15 ±0.03	0.13 ±0.04	0.14 ±0.03	0.14 ±0.03	0.15 ±0.04	0.15 ±0.04	0.15 ±0.06	0.14 ±0.04	0.14 ±0.04	0.14 ±0.03	0.14 ±0.05	0.14 ±0.04
허파	0.58 ±0.06	0.49 ±0.04	0.49 ±0.07	0.46 ±0.13	0.43 ±0.07	0.42 ±0.06	0.40 ±0.06	0.39 ±0.05	0.41 ±0.05	0.43 ±0.06	0.39 ±0.03	0.43 ±0.08
염통	0.44 ±0.04	0.43 ±0.05	0.39 ±0.04	0.37 ±0.05	0.36 ±0.05	0.34 ±0.04	0.33 ±0.05	0.34 ±0.04	0.34 ±0.04	0.33 ±0.05	0.31 ±0.04	0.35 ±0.05
간	1.26 ±0.20	1.17 ±0.11	1.10 ±0.18	1.05 ±0.15	1.02 ±0.12	1.02 ±0.10	0.99 ±0.10	0.97 ±0.09	0.95 ±0.09	0.98 ±0.12	0.97 ±0.09	1.01 ±0.13
이자	0.10 ±0.02	0.11 ±0.04	0.10 ±0.03	0.09 ±0.02	0.09 ±0.02	0.09 ±0.03	0.09 ±0.03	0.09 ±0.03	0.09 ±0.03	0.08 ±0.02	0.08 ±0.04	0.09 ±0.03
지라	0.22 ±0.04	0.18 ±0.03	0.19 ±0.04	0.19 ±0.05	0.17 ±0.03	0.16 ±0.02	0.17 ±0.03	0.17 ±0.02	0.18 ±0.05	0.17 ±0.04	0.22 ±0.12	0.17 ±0.04

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
1,2위	1.89 ±0.17	1.78 ±0.35	1.77 ±0.37	1.74 ±0.35	1.64 ±0.23	1.63 ±0.21	1.64 ±0.23	1.57 ±0.20	1.63 ±0.19	1.53 ±0.21	1.62 ±0.18	1.65 ±0.25
3위	0.54 ±0.08	0.50 ±0.10	0.52 ±0.14	0.48 ±0.12	0.44 ±0.09	0.41 ±0.08	0.41 ±0.08	0.36 ±0.07	0.40 ±0.09	0.37 ±0.07	0.39 ±0.05	0.42 ±0.10
4위	0.38 ±0.06	0.40 ±0.05	0.35 ±0.08	0.36 ±0.07	0.36 ±0.06	0.36 ±0.07	0.35 ±0.06	0.35 ±0.07	0.34 ±0.07	0.33 ±0.06	0.35 ±0.07	0.35 ±0.06
직장	0.13 ±0.02	0.10 ±0.02	0.11 ±0.02	0.10 ±0.03	0.09 ±0.02	0.09 ±0.02	0.08 ±0.02	0.08 ±0.01	0.08 ±0.03	0.08 ±0.02	0.07 ±0.03	0.09 ±0.02
소장	1.15 ±0.19	1.24 ±0.12	1.14 ±0.20	1.08 ±0.15	1.11 ±0.18	1.07 ±0.13	1.05 ±0.15	1.04 ±0.12	1.02 ±0.14	0.99 ±0.15	0.87 ±0.04	1.07 ±0.16
대장	0.74 ±0.13	0.84 ±0.12	0.74 ±0.18	0.69 ±0.17	0.71 ±0.23	0.64 ±0.15	0.58 ±0.17	0.55 ±0.20	0.56 ±0.13	0.55 ±0.15	0.53 ±0.18	0.63 ±0.20
배지방	1.64 ±0.59	3.14 ±0.95	3.08 ±0.99	3.41 ±1.02	3.64 ±1.06	3.80 ±0.87	3.75 ±1.01	3.44 ±0.86	3.33 ±0.71	3.06 ±0.83	3.55 ±0.72	3.47 ±0.97
내장지방	1.90 ±0.74	2.78 ±1.35	2.87 ±0.98	3.37 ±1.33	3.75 ±1.21	4.14 ±1.00	4.10 ±1.16	4.10 ±1.01	3.60 ±0.89	3.45 ±0.89	3.46 ±0.85	3.70 ±1.16
생식기	0.35 ±0.11	0.22 ±0.14	0.23 ±0.10	0.21 ±0.08	0.19 ±0.10	0.16 ±0.08	0.15 ±0.11	0.12 ±0.10	0.14 ±0.13	0.18 ±0.11	0.14 ±0.05	0.17 ±0.11
유방	0.40 ±0.20	0.48 ±0.31	0.52 ±0.22	0.58 ±0.30	0.63 ±0.34	0.58 ±0.24	0.60 ±0.28	0.58 ±0.24	0.59 ±0.29	0.55 ±0.32	0.91 ±0.30	0.59 ±0.29
신장	0.20 ±0.02	0.18 ±0.02	0.16 ±0.03	0.16 ±0.02	0.15 ±0.02	0.14 ±0.02	0.13 ±0.03	0.13 ±0.02	0.13 ±0.01	0.13 ±0.02	0.14 ±0.01	0.14 ±0.02
신지방	1.03 ±0.26	2.06 ±0.70	2.35 ±0.77	2.13 ±0.63	2.29 ±0.73	2.20 ±0.63	2.34 ±0.83	2.12 ±0.66	1.83 ±0.45	1.76 ±0.37	2.29 ±0.50	2.14 ±0.69
기타지방	0.45 ±0.25	0.84 ±0.27	1.05 ±0.60	1.00 ±0.41	1.19 ±0.46	1.21 ±0.54	1.22 ±0.48	1.16 ±0.53	1.18 ±0.61	1.03 ±0.46	1.32 ±0.35	1.14 ±0.50
도축지방	5.01 ±1.58	8.83 ±2.59	9.35 ±2.96	9.91 ±2.78	10.87 ±2.97	11.34 ±2.36	11.41 ±2.70	10.82 ±2.23	9.95 ±1.97	9.31 ±1.83	10.62 ±1.77	10.45 ±2.67

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 169 한우 암소 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
온도체중 (kg)	279.99 ±22.18	309.31 ±18.95	345.19 ±15.09	375.46 ±20.42	406.01 ±20.73	431.14 ±14.46	482.14 ±16.98	538.98 ±18.56	381.46 ±61.83
머리	4.20 ±0.24	3.92 ±0.44	3.90 ±0.35	3.51 ±0.27	3.55 ±0.30	3.43 ±0.33	3.50 ±0.42	3.80 ±0.35	3.67 ±0.39
앞족	0.81 ±0.08	0.77 ±0.12	0.76 ±0.07	0.74 ±0.07	0.75 ±0.09	0.76 ±0.11	0.74 ±0.09	0.88 ±0.12	0.76 ±0.09
뒷족	0.90 ±0.09	0.83 ±0.11	0.83 ±0.08	0.79 ±0.07	0.78 ±0.08	0.78 ±0.08	0.80 ±0.09	0.92 ±0.04	0.81 ±0.09
혈액	3.36 ±0.23	3.05 ±0.53	2.93 ±0.36	2.84 ±0.55	2.77 ±0.43	2.73 ±0.35	2.51 ±0.51	2.70 ±0.57	2.86 ±0.49
가죽	5.70 ±0.51	5.40 ±0.58	5.12 ±0.50	5.06 ±0.46	5.11 ±0.45	5.03 ±0.45	5.10 ±0.44	5.06 ±0.42	5.16 ±0.50
내장총량	21.88 ±3.40	21.56 ±3.23	22.08 ±1.78	22.37 ±1.93	22.21 ±1.50	22.58 ±1.66	20.28 ±1.38	21.81 ±1.16	22.02 ±2.10
식도	0.08 ±0.01	0.08 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.06 ±0.01	0.07 ±0.01	0.07 ±0.01
기관	0.13 ±0.04	0.15 ±0.04	0.15 ±0.03	0.16 ±0.04	0.16 ±0.04	0.14 ±0.03	0.13 ±0.04	0.14 ±0.03	0.15 ±0.04
허파	0.49 ±0.04	0.48 ±0.08	0.42 ±0.07	0.41 ±0.05	0.41 ±0.05	0.39 ±0.07	0.37 ±0.07	0.43 ±0.06	0.42 ±0.07
염통	0.43 ±0.05	0.38 ±0.04	0.36 ±0.05	0.35 ±0.05	0.35 ±0.04	0.34 ±0.05	0.35 ±0.03	0.35 ±0.05	0.36 ±0.05
간	1.20 ±0.15	1.10 ±0.21	1.04 ±0.15	1.04 ±0.12	1.00 ±0.10	0.99 ±0.11	0.96 ±0.08	0.88 ±0.06	1.03 ±0.14
이자	0.12 ±0.03	0.10 ±0.03	0.09 ±0.03	0.09 ±0.02	0.10 ±0.03	0.09 ±0.03	0.10 ±0.03	0.11 ±0.02	0.10 ±0.03
지라	0.18 ±0.03	0.18 ±0.05	0.17 ±0.05	0.17 ±0.03	0.15 ±0.02	0.16 ±0.03	0.17 ±0.02	0.20 ±0.02	0.17 ±0.03
1,2위	1.85 ±0.34	1.85 ±0.44	1.81 ±0.37	1.70 ±0.25	1.69 ±0.20	1.64 ±0.18	1.62 ±0.27	1.66 ±0.12	1.73 ±0.29

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
3위	0.52 ±0.09	0.54 ±0.17	0.51 ±0.13	0.45 ±0.10	0.42 ±0.09	0.46 ±0.08	0.37 ±0.07	0.42 ±0.07	0.46 ±0.12
4위	0.40 ±0.04	0.37 ±0.09	0.37 ±0.08	0.37 ±0.05	0.37 ±0.06	0.37 ±0.07	0.38 ±0.08	0.44 ±0.09	0.37 ±0.06
직장	0.10 ±0.02	0.11 ±0.02	0.11 ±0.03	0.09 ±0.02	0.09 ±0.02	0.08 ±0.02	0.09 ±0.02	0.10 ±0.01	0.10 ±0.03
소장	1.22 ±0.12	1.12 ±0.20	1.06 ±0.16	1.13 ±0.17	1.08 ±0.14	1.01 ±0.14	1.06 ±0.10	0.90 ±0.07	1.09 ±0.16
대장	0.86 ±0.12	0.68 ±0.17	0.67 ±0.17	0.68 ±0.23	0.68 ±0.15	0.61 ±0.20	0.76 ±0.28	0.57 ±0.08	0.69 ±0.20
배지방	3.22 ±0.85	3.49 ±1.05	3.64 ±0.89	4.11 ±0.78	4.07 ±0.82	4.36 ±0.50	3.55 ±1.03	3.56 ±1.26	3.86 ±0.90
내장지방	3.19 ±0.86	3.20 ±1.01	3.57 ±1.44	4.30 ±0.85	4.47 ±0.93	4.70 ±1.13	4.26 ±0.98	3.14 ±0.85	4.02 ±1.15
생식기	0.17 ±0.04	0.21 ±0.08	0.18 ±0.05	0.16 ±0.06	0.16 ±0.03	0.16 ±0.03	0.14 ±0.04	0.18 ±0.08	0.17 ±0.05
유방	0.54 ±0.27	0.59 ±0.23	0.63 ±0.26	0.75 ±0.35	0.67 ±0.23	0.70 ±0.33	0.69 ±0.18	0.80 ±0.20	0.68 ±0.28
신장	0.17 ±0.02	0.16 ±0.03	0.16 ±0.03	0.15 ±0.02	0.14 ±0.02	0.13 ±0.02	0.13 ±0.01	0.13 ±0.01	0.15 ±0.02
신지방	1.99 ±0.53	2.50 ±0.91	2.14 ±0.56	2.53 ±0.64	2.30 ±0.66	2.69 ±0.81	2.64 ±0.76	1.95 ±0.64	2.39 ±0.70
기타지방	0.82 ±0.29	1.22 ±0.69	1.08 ±0.40	1.40 ±0.40	1.34 ±0.51	1.25 ±0.57	1.19 ±0.44	0.98 ±0.19	1.23 ±0.49
도축지방	9.22 ±2.30	10.41 ±3.28	10.44 ±2.50	12.34 ±1.82	12.18 ±2.14	13.00 ±1.59	11.63 ±2.06	9.63 ±2.19	11.51 ±2.44

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 170 한우 수소 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중 (kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.1 ±53.53	683.12 ±131.99
온도체중 (kg)	289.68 ±24.06	342.27 ±11.57	375.35 ±17.20	406.08 ±13.48	441.32 ±16.67	482.41 ±5.94	496.44 ±13.57	555.81 ±34.21	423.61 ±86.21
머리	5.41 ±0.55	5.11 ±0.73	4.91 ±0.56	4.63 ±0.30	4.72 ±0.43	4.21 ±0.69	4.47 ±0.32	4.06 ±0.41	4.70 ±0.66
앞족	0.95 ±0.08	0.90 ±0.05	0.88 ±0.09	0.81 ±0.03	0.81 ±0.05	0.78 ±0.12	0.79 ±0.05	0.75 ±0.05	0.84 ±0.10
뒷족	1.00 ±0.10	0.98 ±0.05	0.92 ±0.08	0.87 ±0.03	0.85 ±0.04	0.84 ±0.11	0.83 ±0.04	0.81 ±0.07	0.89 ±0.09
혈액	3.26 ±0.74	3.14 ±0.56	3.01 ±0.46	2.85 ±0.52	3.11 ±0.73	2.80 ±0.42	3.15 ±0.47	2.77 ±0.35	3.01 ±0.55
가죽	7.08 ±0.59	7.01 ±0.51	6.43 ±0.65	6.49 ±0.57	6.50 ±0.83	5.97 ±0.59	6.10 ±0.31	6.11 ±0.47	6.45 ±0.68
내장총량	17.69 ±2.80	18.49 ±1.91	19.22 ±1.43	19.51 ±1.32	18.10 ±1.16	18.14 ±2.58	18.84 ±2.18	18.17 ±1.83	18.49 ±1.96
식도	0.07 ±0.01	0.08 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.08 ±0.01	0.08 ±0.02	0.07 ±0.01
기관	0.15 ±0.02	0.15 ±0.04	0.15 ±0.04	0.13 ±0.02	0.16 ±0.05	0.14 ±0.03	0.15 ±0.04	0.15 ±0.03	0.15 ±0.03
허파	0.56 ±0.06	0.52 ±0.02	0.51 ±0.06	0.48 ±0.09	0.44 ±0.06	0.45 ±0.03	0.47 ±0.04	0.46 ±0.05	0.49 ±0.06
염통	0.42 ±0.05	0.39 ±0.05	0.39 ±0.05	0.35 ±0.03	0.37 ±0.04	0.36 ±0.04	0.36 ±0.03	0.35 ±0.04	0.37 ±0.05
간	1.15 ±0.15	1.10 ±0.22	1.03 ±0.10	1.08 ±0.10	1.00 ±0.11	1.05 ±0.15	0.93 ±0.11	0.95 ±0.12	1.03 ±0.15
이자	0.09 ±0.02	0.10 ±0.02	0.08 ±0.02	0.07 ±0.02	0.09 ±0.02	0.10 ±0.02	0.09 ±0.03	0.09 ±0.02	0.09 ±0.02
지라	0.22 ±0.04	0.20 ±0.04	0.20 ±0.03	0.17 ±0.02	0.18 ±0.02	0.19 ±0.02	0.19 ±0.03	0.17 ±0.03	0.19 ±0.03
1,2위	1.73 ±0.21	1.69 ±0.18	1.65 ±0.17	1.56 ±0.22	1.58 ±0.22	1.56 ±0.10	1.63 ±0.22	1.62 ±0.25	1.63 ±0.20

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
3위	0.51 ±0.07	0.45 ±0.07	0.45 ±0.07	0.43 ±0.07	0.44 ±0.06	0.38 ±0.08	0.47 ±0.13	0.37 ±0.08	0.44 ±0.09
4위	0.36 ±0.07	0.33 ±0.03	0.34 ±0.06	0.34 ±0.05	0.33 ±0.05	0.34 ±0.06	0.33 ±0.11	0.35 ±0.06	0.34 ±0.06
직장	0.12 ±0.03	0.08 ±0.00	0.09 ±0.02	0.08 ±0.01	0.10 ±0.01	0.08 ±0.01	0.09 ±0.02	0.08 ±0.02	0.09 ±0.02
소장	1.15 ±0.21	1.10 ±0.13	1.11 ±0.25	1.09 ±0.13	1.06 ±0.19	1.08 ±0.13	1.02 ±0.10	0.96 ±0.13	1.07 ±0.18
대장	0.73 ±0.13	0.69 ±0.19	0.76 ±0.19	0.65 ±0.13	0.65 ±0.11	0.50 ±0.10	0.67 ±0.10	0.55 ±0.16	0.65 ±0.16
배지방	1.85 ±0.57	2.12 ±0.53	2.34 ±1.02	2.80 ±0.52	2.61 ±0.97	2.69 ±0.82	2.73 ±0.86	2.57 ±0.79	2.45 ±0.82
내장지방	1.85 ±0.49	2.27 ±0.60	2.22 ±0.96	2.92 ±0.48	2.78 ±1.21	3.25 ±1.24	2.39 ±0.65	3.22 ±1.01	2.60 ±0.99
생식기	0.38 ±0.05	0.34 ±0.08	0.36 ±0.05	0.31 ±0.05	0.34 ±0.09	0.31 ±0.05	0.35 ±0.05	0.29 ±0.06	0.34 ±0.06
유방	0.42 ±0.21	0.23 ±0.09	0.27 ±0.10	0.27 ±0.10	0.39 ±0.17	0.29 ±0.18	0.22 ±0.12	0.28 ±0.10	0.30 ±0.15
신장	0.18 ±0.03	0.16 ±0.01	0.17 ±0.02	0.15 ±0.02	0.12 ±0.05	0.15 ±0.02	0.14 ±0.02	0.14 ±0.01	0.15 ±0.03
신지방	1.51 ±0.65	1.62 ±0.44	1.56 ±0.67	1.75 ±0.45	1.76 ±0.87	1.59 ±0.57	1.49 ±0.39	1.70 ±0.36	1.62 ±0.57
기타지방	0.58 ±0.23	0.60 ±0.28	0.69 ±0.25	0.71 ±0.44	1.05 ±0.32	0.72 ±0.45	0.54 ±0.27	0.91 ±0.55	0.73 ±0.38
도축지방	5.79 ±1.64	6.61 ±1.75	6.81 ±2.68	8.18 ±1.47	8.20 ±3.12	8.26 ±2.68	7.14 ±1.76	8.40 ±1.86	7.40 ±2.34

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 171 한우 거세우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중(kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
온도체중(kg)	329.40 ±26.43	395.80 ±13.89	419.38 ±15.56	447.26 ±16.32	484.29 ±19.23	512.48 ±18.52	553.46 ±22.50	572.35 ±16.14	470.93 ±64.28
머리	4.40 ±0.78	4.06 ±0.34	3.90 ±0.23	3.66 ±0.39	3.60 ±0.31	3.70 ±0.32	3.58 ±0.48	3.60 ±0.17	3.75 ±0.44
앞족	0.87 ±0.06	0.85 ±0.09	0.77 ±0.04	0.78 ±0.05	0.79 ±0.06	0.79 ±0.07	0.73 ±0.05	0.81 ±0.02	0.79 ±0.07
뒷족	0.95 ±0.07	0.91 ±0.07	0.82 ±0.03	0.84 ±0.05	0.83 ±0.06	0.85 ±0.06	0.79 ±0.05	0.86 ±0.06	0.85 ±0.07
혈액	3.11 ±0.46	3.17 ±0.53	2.60 ±0.37	2.53 ±0.50	2.55 ±0.43	2.48 ±0.49	2.48 ±0.47	2.22 ±0.42	2.61 ±0.51
가죽	6.40 ±1.00	5.76 ±0.47	5.64 ±0.38	5.49 ±0.50	5.64 ±0.67	5.59 ±0.60	5.56 ±0.57	5.52 ±0.62	5.65 ±0.64
내장총량	19.31 ±1.81	18.66 ±2.07	19.94 ±2.22	20.59 ±2.22	19.78 ±1.76	19.77 ±1.16	18.88 ±2.07	19.55 ±1.85	19.71 ±1.89
식도	0.07 ±0.01	0.07 ±0.01	0.07 ±0.02	0.07 ±0.01	0.07 ±0.01	0.07 ±0.02	0.07 ±0.02	0.07 ±0.01	0.07 ±0.01
기관	0.12 ±0.03	0.14 ±0.03	0.13 ±0.04	0.16 ±0.07	0.15 ±0.04	0.14 ±0.03	0.13 ±0.03	0.13 ±0.05	0.14 ±0.05
허파	0.52 ±0.20	0.43 ±0.07	0.40 ±0.04	0.39 ±0.05	0.38 ±0.03	0.39 ±0.03	0.41 ±0.06	0.38 ±0.03	0.40 ±0.08
염통	0.37 ±0.04	0.34 ±0.02	0.32 ±0.03	0.32 ±0.04	0.34 ±0.04	0.33 ±0.03	0.31 ±0.05	0.30 ±0.03	0.33 ±0.04
간	1.07 ±0.05	0.95 ±0.10	1.01 ±0.10	0.98 ±0.10	0.95 ±0.06	0.95 ±0.09	1.00 ±0.12	1.00 ±0.06	0.98 ±0.09
이자	0.10 ±0.03	0.09 ±0.02	0.08 ±0.02	0.09 ±0.02	0.09 ±0.03	0.08 ±0.03	0.08 ±0.02	0.07 ±0.04	0.09 ±0.03
지라	0.21 ±0.06	0.16 ±0.02	0.16 ±0.02	0.16 ±0.02	0.16 ±0.02	0.17 ±0.06	0.17 ±0.04	0.24 ±0.15	0.17 ±0.05
1,2위	1.51 ±0.19	1.46 ±0.13	1.53 ±0.21	1.66 ±0.26	1.56 ±0.20	1.64 ±0.18	1.49 ±0.18	1.54 ±0.18	1.57 ±0.21

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
3위	0.42 ±0.05	0.37 ±0.06	0.39 ±0.07	0.36 ±0.06	0.35 ±0.06	0.38 ±0.06	0.38 ±0.06	0.37 ±0.04	0.37 ±0.06
4위	0.32 ±0.03	0.33 ±0.08	0.37 ±0.09	0.35 ±0.05	0.35 ±0.06	0.34 ±0.05	0.31 ±0.05	0.31 ±0.04	0.34 ±0.06
직장	0.08 ±0.01	0.08 ±0.01	0.08 ±0.03	0.07 ±0.01	0.07 ±0.01	0.08 ±0.03	0.08 ±0.03	0.06 ±0.02	0.08 ±0.02
소장	1.19 ±0.15	1.07 ±0.11	1.06 ±0.12	1.07 ±0.13	1.03 ±0.13	1.02 ±0.15	1.01 ±0.16	0.86 ±0.04	1.04 ±0.14
대장	0.85 ±0.15	0.76 ±0.29	0.55 ±0.12	0.54 ±0.16	0.50 ±0.14	0.53 ±0.12	0.54 ±0.14	0.51 ±0.23	0.57 ±0.19
배지방	3.45 ±0.70	3.43 ±0.65	3.86 ±0.73	3.82 ±0.90	3.59 ±0.73	3.45 ±0.52	3.43 ±0.62	3.84 ±0.33	3.60 ±0.70
내장지방	3.07 ±1.37	3.50 ±1.02	4.22 ±0.82	4.26 ±0.68	4.27 ±0.87	3.96 ±0.61	3.60 ±0.74	3.74 ±0.82	3.96 ±0.89
생식기	0.18 ±0.13	0.10 ±0.04	0.08 ±0.04	0.07 ±0.03	0.07 ±0.03	0.08 ±0.04	0.10 ±0.06	0.13 ±0.05	0.09 ±0.06
유방	0.53 ±0.36	0.64 ±0.17	0.58 ±0.17	0.63 ±0.24	0.62 ±0.23	0.69 ±0.23	0.74 ±0.25	1.02 ±0.28	0.66 ±0.25
신장	0.16 ±0.02	0.14 ±0.01	0.14 ±0.02	0.13 ±0.02	0.13 ±0.01	0.13 ±0.01	0.13 ±0.02	0.14 ±0.02	0.13 ±0.02
신지방	2.66 ±0.56	2.25 ±0.60	2.26 ±0.56	2.36 ±0.73	2.09 ±0.53	1.96 ±0.40	1.80 ±0.37	2.44 ±0.49	2.17 ±0.58
기타지방	1.04 ±0.29	1.01 ±0.29	1.24 ±0.53	1.27 ±0.47	1.27 ±0.52	1.38 ±0.55	1.17 ±0.40	1.41 ±0.34	1.25 ±0.47
도축지방	10.22 ±2.02	10.18 ±2.04	11.59 ±1.44	11.71 ±1.96	11.22 ±1.68	10.75 ±1.16	10.01 ±1.43	11.43 ±0.96	10.98 ±1.70

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

4) 도체등급에 따른 절식체중 대비 1차 부산물 생산율

표 172 육질 1⁺⁺등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중(kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
온도체중(kg)	433.04 ±25.26	490.30 ±18.88	523.85 ±16.49	561.77 ±34.57	577.03 ±20.39	504.96 ±54.68
머리	3.43 ±0.24	3.51 ±0.31	3.50 ±0.44	3.38 ±0.14	3.49 ±0.12	3.47 ±0.27
앞족	0.75 ±0.04	0.75 ±0.03	0.83 ±0.04	0.70 ±0.03	0.80 ±0.01	0.77 ±0.05
뒷족	0.80 ±0.06	0.83 ±0.02	0.87 ±0.05	0.76 ±0.05	0.89 ±0.04	0.83 ±0.06
혈액	2.14 ±0.41	2.49 ±0.41	2.52 ±1.02	2.28 ±0.28	2.05 ±0.18	2.33 ±0.53
가죽	5.36 ±0.73	5.20 ±0.21	5.32 ±0.59	5.42 ±1.10	5.01 ±0.19	5.26 ±0.55
내장총량	20.13 ±1.96	20.04 ±1.37	19.88 ±0.57	19.25 ±2.13	20.23 ±1.39	19.95 ±1.42
식도	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.06 ±0.02	0.07 ±0.01	0.07 ±0.01
기관	0.16 ±0.03	0.14 ±0.04	0.14 ±0.05	0.12 ±0.04	0.14 ±0.05	0.14 ±0.04
허파	0.37 ±0.04	0.39 ±0.05	0.42 ±0.02	0.38 ±0.02	0.39 ±0.03	0.39 ±0.04
염통	0.31 ±0.03	0.32 ±0.03	0.32 ±0.05	0.28 ±0.04	0.30 ±0.03	0.31 ±0.04
간	1.01 ±0.16	0.92 ±0.04	1.03 ±0.12	0.99 ±0.10	0.96 ±0.11	0.97 ±0.11
이자	0.10 ±0.03	0.08 ±0.03	0.07 ±0.03	0.08 ±0.01	0.09 ±0.05	0.08 ±0.03
지라	0.15 ±0.01	0.15 ±0.04	0.16 ±0.03	0.15 ±0.01	0.29 ±0.21	0.17 ±0.08

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
1,2위	1.60 ±0.14	1.50 ±0.12	1.64 ±0.22	1.58 ±0.21	1.53 ±0.25	1.56 ±0.17
3위	0.40 ±0.01	0.33 ±0.06	0.37 ±0.05	0.38 ±0.04	0.42 ±0.06	0.37 ±0.05
4위	0.35 ±0.04	0.34 ±0.03	0.35 ±0.02	0.32 ±0.04	0.37 ±0.07	0.35 ±0.04
직장	0.08 ±0.01	0.07 ±0.01	0.08 ±0.02	0.07 ±0.00	0.07 ±0.03	0.08 ±0.01
소장	1.09 ±0.16	1.14 ±0.07	1.10 ±0.20	0.89 ±0.18	0.83 ±0.05	1.05 ±0.17
대장	0.55 ±0.06	0.61 ±0.15	0.57 ±0.09	0.48 ±0.12	0.61 ±0.32	0.57 ±0.15
배지방	3.48 ±0.69	3.66 ±0.52	3.46 ±0.77	3.46 ±0.86	3.70 ±0.68	3.56 ±0.61
내장지방	4.33 ±0.72	4.77 ±0.75	4.05 ±0.74	3.64 ±0.37	3.45 ±0.44	4.20 ±0.78
생식기	0.07 ±0.07	0.09 ±0.04	0.07 ±0.03	0.08 ±0.05	0.15 ±0.02	0.09 ±0.05
유방	0.90 ±0.17	0.54 ±0.23	0.62 ±0.10	0.66 ±0.27	1.01 ±0.30	0.72 ±0.27
신장	0.14 ±0.02	0.13 ±0.02	0.14 ±0.01	0.12 ±0.02	0.13 ±0.01	0.13 ±0.02
신지방	2.44 ±0.53	2.23 ±0.80	1.79 ±0.23	2.12 ±0.42	2.66 ±0.70	2.24 ±0.62
기타지방	1.33 ±0.26	1.10 ±0.58	1.11 ±0.33	1.20 ±0.49	1.23 ±0.01	1.19 ±0.40
도축지방	11.59 ±1.78	11.76 ±1.66	10.40 ±1.31	10.42 ±1.80	11.03 ±0.96	11.19 ±1.54

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 173 육질 1⁺등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중 (kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
온도체중 (kg)	326.70 ±27.55	388.00 ±21.74	414.33 ±13.17	445.90 ±21.35	484.41 ±20.65	515.43 ±12.84	562.87 ±19.20	457.40 ±67.33
머리	3.91 ±0.26	3.78 ±0.28	3.76 ±0.38	3.55 ±0.38	3.68 ±0.31	3.64 ±0.26	3.66 ±0.34	3.70 ±0.31
앞족	0.74 ±0.09	0.77 ±0.09	0.74 ±0.06	0.77 ±0.09	0.80 ±0.05	0.77 ±0.06	0.77 ±0.06	0.77 ±0.07
뒷족	0.82 ±0.10	0.84 ±0.10	0.78 ±0.08	0.84 ±0.08	0.83 ±0.04	0.83 ±0.05	0.80 ±0.06	0.82 ±0.07
혈액	3.26 ±0.30	2.71 ±0.46	2.66 ±0.43	2.76 ±0.43	2.72 ±0.36	2.46 ±0.38	2.53 ±0.58	2.69 ±0.44
가죽	5.84 ±1.06	5.23 ±0.57	5.44 ±0.52	5.42 ±0.40	5.64 ±0.67	5.59 ±0.63	5.68 ±0.39	5.53 ±0.61
내장총량	19.46 ±2.76	20.61 ±2.62	20.68 ±2.05	20.63 ±1.95	19.45 ±1.92	19.97 ±1.48	17.97 ±1.58	19.85 ±2.11
식도	0.07 ±0.01	0.07 ±0.01	0.06 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.08 ±0.02	0.07 ±0.01
기관	0.12 ±0.01	0.16 ±0.05	0.13 ±0.05	0.16 ±0.03	0.14 ±0.04	0.14 ±0.04	0.13 ±0.03	0.14 ±0.04
허파	0.41 ±0.04	0.42 ±0.07	0.37 ±0.03	0.39 ±0.04	0.38 ±0.03	0.40 ±0.02	0.42 ±0.08	0.40 ±0.05
염통	0.38 ±0.05	0.34 ±0.05	0.32 ±0.03	0.32 ±0.04	0.33 ±0.03	0.34 ±0.03	0.32 ±0.04	0.33 ±0.04
간	1.03 ±0.09	0.98 ±0.11	0.98 ±0.12	0.98 ±0.10	0.97 ±0.06	0.96 ±0.09	0.98 ±0.15	0.98 ±0.10
이자	0.08 ±0.02	0.10 ±0.03	0.10 ±0.04	0.08 ±0.02	0.10 ±0.03	0.09 ±0.02	0.06 ±0.02	0.09 ±0.03
지라	0.15 ±0.02	0.16 ±0.02	0.15 ±0.01	0.16 ±0.02	0.17 ±0.02	0.19 ±0.09	0.15 ±0.03	0.16 ±0.04
1,2위	1.40 ±0.24	1.55 ±0.11	1.63 ±0.26	1.56 ±0.22	1.55 ±0.22	1.59 ±0.15	1.42 ±0.19	1.54 ±0.20

구분	출하체중구간 (kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
3위	0.41 ±0.07	0.40 ±0.06	0.45 ±0.09	0.38 ±0.07	0.36 ±0.07	0.36 ±0.06	0.37 ±0.04	0.39 ±0.07
4위	0.31 ±0.02	0.34 ±0.07	0.38 ±0.09	0.42 ±0.07	0.33 ±0.08	0.34 ±0.06	0.29 ±0.02	0.34 ±0.07
직장	0.09 ±0.02	0.08 ±0.01	0.08 ±0.04	0.07 ±0.02	0.07 ±0.01	0.07 ±0.01	0.08 ±0.04	0.08 ±0.02
소장	1.23 ±0.23	1.11 ±0.12	1.00 ±0.10	1.08 ±0.15	0.97 ±0.13	0.99 ±0.09	1.00 ±0.12	1.03 ±0.14
대장	0.89 ±0.26	0.72 ±0.23	0.60 ±0.18	0.60 ±0.14	0.44 ±0.10	0.51 ±0.15	0.51 ±0.14	0.57 ±0.20
배지방	3.36 ±0.35	3.74 ±0.47	3.69 ±0.75	4.23 ±0.69	3.37 ±0.77	3.44 ±0.54	3.21 ±0.35	3.55 ±0.66
내장지방	3.38 ±0.79	4.03 ±0.80	4.30 ±0.79	4.42 ±0.88	4.14 ±0.92	4.15 ±0.63	3.21 ±0.43	4.02 ±0.83
생식기	0.13 ±0.03	0.12 ±0.04	0.10 ±0.05	0.11 ±0.06	0.07 ±0.04	0.08 ±0.06	0.10 ±0.04	0.10 ±0.05
유방	0.72 ±0.25	0.76 ±0.46	0.78 ±0.29	0.56 ±0.20	0.64 ±0.20	0.74 ±0.25	0.80 ±0.31	0.71 ±0.29
신장	0.13 ±0.01	0.15 ±0.03	0.14 ±0.02	0.13 ±0.02	0.13 ±0.01	0.13 ±0.01	0.13 ±0.02	0.13 ±0.02
신지방	1.98 ±0.22	2.49 ±0.66	2.38 ±0.66	2.31 ±0.88	2.05 ±0.57	1.88 ±0.45	1.85 ±0.44	2.14 ±0.61
기타지방	1.07 ±0.29	1.17 ±0.43	1.23 ±0.26	1.08 ±0.50	1.23 ±0.46	1.37 ±0.37	1.22 ±0.45	1.21 ±0.40
도축지방	9.78 ±0.85	11.43 ±1.74	11.59 ±1.83	12.04 ±2.39	10.80 ±1.67	10.85 ±1.01	9.49 ±1.12	10.93 ±1.70

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 174 육질 1등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중 (kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
온도체중 (kg)	317.90 ±19.74	349.07 ±20.26	386.99 ±16.98	416.53 ±27.71	444.66 ±15.23	478.33 ±16.35	507.05 ±22.13	541.37 ±13.08	431.28 ±67.63
머리	4.06 ±0.40	4.37 ±0.92	3.63 ±0.44	3.69 ±0.26	3.58 ±0.38	3.53 ±0.26	3.83 ±0.35	3.67 ±0.53	3.75 ±0.50
앞족	0.83 ±0.12	0.80 ±0.09	0.73 ±0.08	0.74 ±0.06	0.76 ±0.06	0.78 ±0.09	0.79 ±0.08	0.75 ±0.06	0.77 ±0.08
뒷족	0.95 ±0.13	0.86 ±0.07	0.79 ±0.08	0.79 ±0.05	0.81 ±0.07	0.82 ±0.09	0.84 ±0.05	0.83 ±0.08	0.83 ±0.09
혈액	3.17 ±0.40	2.93 ±0.35	2.97 ±0.51	2.73 ±0.49	2.63 ±0.41	2.45 ±0.49	2.47 ±0.39	2.72 ±0.46	2.73 ±0.48
가죽	5.88 ±1.10	5.74 ±0.91	5.14 ±0.64	5.50 ±0.39	5.31 ±0.58	5.78 ±0.71	5.44 ±0.37	5.56 ±0.78	5.51 ±0.70
내장총량	19.15 ±2.53	20.98 ±1.15	21.23 ±2.95	20.91 ±2.33	21.02 ±2.02	20.36 ±1.55	19.79 ±1.03	21.35 ±1.48	20.65 ±2.06
식도	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.02	0.07 ±0.02	0.07 ±0.01
기관	0.13 ±0.04	0.13 ±0.05	0.14 ±0.03	0.13 ±0.04	0.15 ±0.09	0.15 ±0.04	0.13 ±0.02	0.13 ±0.03	0.14 ±0.05
허파	0.46 ±0.04	0.50 ±0.24	0.41 ±0.05	0.40 ±0.04	0.37 ±0.04	0.36 ±0.03	0.37 ±0.04	0.40 ±0.04	0.40 ±0.09
염통	0.39 ±0.06	0.36 ±0.05	0.33 ±0.04	0.33 ±0.05	0.34 ±0.05	0.35 ±0.04	0.32 ±0.03	0.32 ±0.04	0.34 ±0.05
간	1.11 ±0.09	1.03 ±0.09	1.00 ±0.09	1.00 ±0.07	1.00 ±0.11	0.96 ±0.07	0.90 ±0.07	1.01 ±0.08	1.00 ±0.10
이자	0.12 ±0.04	0.09 ±0.01	0.09 ±0.02	0.08 ±0.02	0.10 ±0.03	0.08 ±0.03	0.09 ±0.02	0.09 ±0.03	0.09 ±0.03
지라	0.18 ±0.03	0.21 ±0.07	0.16 ±0.03	0.15 ±0.03	0.15 ±0.03	0.16 ±0.02	0.16 ±0.03	0.20 ±0.05	0.17 ±0.04
1,2위	1.65 ±0.21	1.43 ±0.14	1.54 ±0.22	1.59 ±0.23	1.63 ±0.25	1.60 ±0.19	1.74 ±0.15	1.68 ±0.15	1.60 ±0.21

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
3위	0.49 ±0.06	0.44 ±0.15	0.42 ±0.12	0.40 ±0.08	0.41 ±0.09	0.35 ±0.04	0.37 ±0.05	0.37 ±0.07	0.40 ±0.09
4위	0.36 ±0.06	0.33 ±0.03	0.36 ±0.06	0.33 ±0.05	0.36 ±0.05	0.37 ±0.04	0.34 ±0.04	0.36 ±0.08	0.35 ±0.05
직장	0.09 ±0.01	0.09 ±0.02	0.08 ±0.01	0.08 ±0.03	0.08 ±0.01	0.07 ±0.01	0.09 ±0.05	0.07 ±0.03	0.08 ±0.02
소장	1.23 ±0.15	1.09 ±0.19	1.10 ±0.23	1.12 ±0.13	1.04 ±0.13	1.08 ±0.09	1.05 ±0.16	0.95 ±0.19	1.08 ±0.17
대장	0.86 ±0.10	0.74 ±0.18	0.63 ±0.22	0.63 ±0.18	0.57 ±0.21	0.57 ±0.16	0.55 ±0.10	0.53 ±0.16	0.62 ±0.19
배지방	3.20 ±0.58	3.98 ±0.86	4.21 ±1.06	4.17 ±0.78	3.75 ±0.61	3.80 ±0.74	3.60 ±0.45	3.67 ±0.87	3.83 ±0.79
내장지방	2.53 ±1.23	4.06 ±1.07	4.40 ±1.27	4.13 ±0.71	4.18 ±0.96	4.28 ±0.79	3.68 ±0.48	4.32 ±0.74	4.02 ±1.05
생식기	0.20 ±0.15	0.17 ±0.04	0.14 ±0.05	0.11 ±0.04	0.11 ±0.06	0.08 ±0.04	0.07 ±0.02	0.12 ±0.06	0.12 ±0.07
유방	0.40 ±0.21	0.80 ±0.32	0.76 ±0.34	0.56 ±0.17	0.67 ±0.32	0.69 ±0.24	0.59 ±0.22	0.76 ±0.30	0.66 ±0.29
신장	0.16 ±0.02	0.15 ±0.01	0.14 ±0.01	0.14 ±0.01	0.13 ±0.01	0.13 ±0.02	0.13 ±0.02	0.14 ±0.02	0.14 ±0.02
신지방	2.63 ±0.59	2.35 ±0.75	2.42 ±0.70	2.09 ±0.64	2.43 ±0.87	2.16 ±0.46	2.19 ±0.42	1.97 ±0.42	2.30 ±0.65
기타지방	1.04 ±0.75	1.22 ±0.40	1.33 ±0.40	1.20 ±0.57	1.36 ±0.57	1.45 ±0.50	1.35 ±0.52	1.32 ±0.26	1.31 ±0.50
도축지방	9.40 ±2.35	11.61 ±2.12	12.36 ±2.60	11.60 ±1.30	11.73 ±1.70	11.69 ±1.52	10.82 ±1.04	11.29 ±0.76	11.45 ±1.90

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 175 육질 2등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중 (kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
온도체중 (kg)	293.03 ±26.97	347.04 ±14.30	366.77 ±20.57	404.16 ±15.41	434.88 ±15.31	486.01 ±16.34	502.28 ±23.31	566.78 ±39.26	409.61 ±79.63
머리	4.07 ±0.38	3.71 ±0.40	3.90 ±0.76	3.88 ±0.70	3.66 ±0.48	3.53 ±0.52	3.97 ±0.48	3.75 ±0.42	3.81 ±0.56
앞족	0.80 ±0.10	0.74 ±0.07	0.81 ±0.10	0.74 ±0.06	0.77 ±0.03	0.76 ±0.10	0.87 ±0.12	0.76 ±0.09	0.78 ±0.09
뒷족	0.89 ±0.12	0.83 ±0.09	0.84 ±0.09	0.79 ±0.07	0.82 ±0.06	0.82 ±0.11	0.88 ±0.08	0.83 ±0.08	0.83 ±0.09
혈액	3.26 ±0.57	2.88 ±0.44	3.05 ±0.65	2.69 ±0.42	2.57 ±0.50	2.38 ±0.50	2.59 ±0.21	2.67 ±0.63	2.80 ±0.57
가죽	5.78 ±0.72	5.14 ±0.66	5.59 ±0.82	5.50 ±0.92	5.41 ±0.95	5.17 ±0.70	6.10 ±0.55	5.66 ±0.39	5.51 ±0.78
내장총량	21.95 ±4.12	21.84 ±2.33	21.47 ±2.55	21.49 ±1.81	22.38 ±1.92	19.77 ±1.60	19.98 ±1.58	18.79 ±1.76	21.23 ±2.53
식도	0.07 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01
기관	0.15 ±0.04	0.15 ±0.03	0.16 ±0.03	0.15 ±0.04	0.15 ±0.04	0.15 ±0.04	0.14 ±0.03	0.15 ±0.05	0.15 ±0.03
허파	0.47 ±0.03	0.40 ±0.06	0.43 ±0.06	0.41 ±0.04	0.41 ±0.06	0.39 ±0.08	0.43 ±0.09	0.41 ±0.04	0.42 ±0.06
염통	0.40 ±0.04	0.35 ±0.05	0.36 ±0.05	0.34 ±0.03	0.32 ±0.04	0.34 ±0.02	0.33 ±0.04	0.31 ±0.06	0.35 ±0.05
간	1.09 ±0.11	0.97 ±0.16	1.01 ±0.10	1.05 ±0.12	1.01 ±0.10	0.99 ±0.13	0.92 ±0.03	0.99 ±0.11	1.01 ±0.12
이자	0.10 ±0.03	0.08 ±0.02	0.08 ±0.02	0.09 ±0.02	0.09 ±0.02	0.10 ±0.02	0.08 ±0.03	0.07 ±0.03	0.09 ±0.02
지라	0.19 ±0.02	0.15 ±0.02	0.17 ±0.04	0.16 ±0.02	0.17 ±0.02	0.18 ±0.02	0.18 ±0.03	0.19 ±0.05	0.17 ±0.03
1,2위	1.77 ±0.36	1.67 ±0.22	1.69 ±0.24	1.58 ±0.14	1.75 ±0.22	1.67 ±0.31	1.63 ±0.29	1.60 ±0.17	1.68 ±0.24

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
3위	0.50 ±0.15	0.48 ±0.12	0.43 ±0.10	0.39 ±0.07	0.41 ±0.09	0.39 ±0.08	0.47 ±0.10	0.38 ±0.08	0.43 ±0.11
4위	0.36 ±0.04	0.35 ±0.07	0.38 ±0.05	0.37 ±0.08	0.34 ±0.05	0.38 ±0.09	0.38 ±0.12	0.34 ±0.09	0.36 ±0.07
직장	0.11 ±0.02	0.11 ±0.04	0.10 ±0.03	0.09 ±0.01	0.08 ±0.02	0.09 ±0.02	0.09 ±0.02	0.09 ±0.02	0.09 ±0.03
소장	1.12 ±0.17	1.05 ±0.14	1.09 ±0.16	1.08 ±0.16	1.05 ±0.17	1.04 ±0.09	1.00 ±0.18	0.95 ±0.16	1.06 ±0.15
대장	0.77 ±0.16	0.60 ±0.14	0.80 ±0.26	0.65 ±0.13	0.56 ±0.15	0.79 ±0.33	0.56 ±0.16	0.57 ±0.16	0.67 ±0.22
배지방	4.64 ±0.51	4.26 ±0.42	4.48 ±0.49	4.16 ±0.17	4.18 ±0.29	4.36 ±0.62	4.13 ±0.70	3.93 ±0.42	4.30 ±0.48
내장지방	3.25 ±1.15	3.82 ±1.00	3.74 ±1.14	4.01 ±0.73	4.31 ±0.99	3.48 ±1.21	3.21 ±1.01	3.33 ±0.70	3.73 ±1.04
생식기	0.16 ±0.04	0.17 ±0.06	0.18 ±0.09	0.19 ±0.06	0.11 ±0.07	0.18 ±0.08	0.20 ±0.15	0.18 ±0.08	0.17 ±0.08
유방	0.63 ±0.27	0.65 ±0.14	0.69 ±0.22	0.56 ±0.19	0.55 ±0.18	0.62 ±0.18	0.71 ±0.35	0.68 ±0.39	0.63 ±0.23
신장	0.16 ±0.02	0.14 ±0.01	0.15 ±0.01	0.14 ±0.01	0.13 ±0.02	0.14 ±0.01	0.13 ±0.01	0.14 ±0.01	0.14 ±0.02
신지방	2.20 ±0.79	2.37 ±0.63	2.36 ±0.79	2.15 ±0.66	2.47 ±0.52	2.73 ±0.65	1.56 ±0.36	1.80 ±0.30	2.27 ±0.68
기타지방	1.12 ±0.48	1.21 ±0.37	1.32 ±0.44	1.26 ±0.63	1.30 ±0.49	1.09 ±0.45	1.38 ±1.05	1.14 ±0.65	1.24 ±0.52
도축지방	11.20 ±2.34	11.66 ±1.22	11.90 ±2.24	11.58 ±1.65	12.26 ±1.24	11.67 ±1.63	10.27 ±1.15	10.19 ±1.03	11.53 ±1.74

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 176 육질 3등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
온도체중 (kg)	274.60 ±21.25	300.83 ±10.34	339.98 ±13.55	377.41 ±15.66	403.45 ±17.94	438.84 ±17.71	481.31 ±5.46	497.56 ±13.07	544.70 ±13.71	390.42 ±78.12
머리	5.03 ±1.00	4.58 ±0.57	4.57 ±0.72	4.13 ±0.77	3.85 ±0.51	4.56 ±0.62	4.24 ±0.74	4.30 ±0.18	4.25 ±0.34	4.37 ±0.72
앞족	0.90 ±0.13	0.86 ±0.10	0.85 ±0.08	0.81 ±0.10	0.82 ±0.09	0.84 ±0.11	0.79 ±0.13	0.79 ±0.05	0.78 ±0.02	0.83 ±0.10
뒷족	0.96 ±0.12	0.90 ±0.11	0.91 ±0.09	0.86 ±0.09	0.85 ±0.06	0.84 ±0.08	0.84 ±0.11	0.84 ±0.04	0.84 ±0.06	0.87 ±0.09
혈액	3.43 ±0.50	3.02 ±0.63	3.04 ±0.43	2.96 ±0.50	2.92 ±0.42	3.18 ±0.55	2.79 ±0.45	3.13 ±0.52	2.64 ±0.23	3.02 ±0.50
가죽	6.36 ±1.11	6.15 ±0.95	5.98 ±1.05	5.69 ±0.78	5.50 ±0.70	6.07 ±0.81	5.91 ±0.60	6.23 ±0.24	6.13 ±0.54	5.95 ±0.84
내장총량	19.56 ±4.21	20.79 ±2.94	20.59 ±2.59	21.02 ±2.25	21.58 ±2.31	18.61 ±2.44	18.11 ±2.79	18.50 ±2.27	17.65 ±2.07	19.97 ±2.86
식도	0.08 ±0.01	0.08 ±0.01	0.08 ±0.01	0.08 ±0.01	0.08 ±0.01	0.07 ±0.02	0.07 ±0.01	0.08 ±0.01	0.07 ±0.01	0.08 ±0.01
기관	0.15 ±0.04	0.14 ±0.02	0.14 ±0.03	0.15 ±0.04	0.17 ±0.03	0.16 ±0.05	0.13 ±0.03	0.16 ±0.04	0.15 ±0.03	0.15 ±0.03
허파	0.55 ±0.06	0.54 ±0.08	0.50 ±0.05	0.46 ±0.07	0.45 ±0.06	0.45 ±0.07	0.46 ±0.04	0.46 ±0.04	0.48 ±0.05	0.48 ±0.07
염통	0.45 ±0.03	0.39 ±0.05	0.38 ±0.05	0.38 ±0.05	0.35 ±0.04	0.37 ±0.04	0.36 ±0.05	0.36 ±0.04	0.37 ±0.03	0.38 ±0.05
간	1.24 ±0.15	1.14 ±0.24	1.12 ±0.16	1.07 ±0.14	1.01 ±0.07	0.97 ±0.10	1.03 ±0.15	0.94 ±0.13	0.91 ±0.13	1.06 ±0.17
이자	0.10 ±0.03	0.10 ±0.03	0.10 ±0.03	0.09 ±0.02	0.09 ±0.02	0.09 ±0.02	0.09 ±0.01	0.10 ±0.03	0.10 ±0.02	0.09 ±0.02
지라	0.20 ±0.04	0.21 ±0.05	0.20 ±0.05	0.18 ±0.03	0.17 ±0.02	0.19 ±0.03	0.19 ±0.02	0.18 ±0.03	0.18 ±0.04	0.19 ±0.04
1,2위	1.91 ±0.17	1.90 ±0.44	1.98 ±0.34	1.74 ±0.25	1.73 ±0.20	1.58 ±0.21	1.54 ±0.10	1.58 ±0.19	1.56 ±0.25	1.75 ±0.30

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
3위	0.56 ±0.08	0.55 ±0.14	0.51 ±0.10	0.48 ±0.08	0.43 ±0.07	0.43 ±0.06	0.38 ±0.08	0.47 ±0.11	0.38 ±0.08	0.47 ±0.11
4위	0.41 ±0.05	0.36 ±0.10	0.38 ±0.08	0.35 ±0.06	0.37 ±0.05	0.32 ±0.05	0.34 ±0.06	0.31 ±0.07	0.33 ±0.03	0.36 ±0.07
직장	0.12 ±0.02	0.11 ±0.03	0.09 ±0.02	0.09 ±0.02	0.09 ±0.01	0.10 ±0.01	0.08 ±0.01	0.09 ±0.02	0.08 ±0.02	0.10 ±0.02
소장	1.20 ±0.15	1.11 ±0.21	1.07 ±0.14	1.15 ±0.20	1.09 ±0.12	1.02 ±0.15	1.06 ±0.14	0.97 ±0.06	0.98 ±0.08	1.09 ±0.16
대장	0.76 ±0.13	0.6 6±0.15	0.72 ±0.17	0.68 ±0.22	0.69 ±0.14	0.65 ±0.17	0.50 ±0.11	0.66 ±0.10	0.56 ±0.16	0.66 ±0.17
배지방	2.34 ±1.16	2.90 ±1.17	2.75 ±0.80	3.11 ±1.07	3.53 ±1.12	2.88 ±1.15	2.70 ±0.89	2.59 ±0.67	2.34 ±0.78	2.87 ±1.03
내장지방	2.59 ±1.28	2.35 ±0.64	2.42 ±0.72	3.11 ±1.15	3.67 ±1.09	2.97 ±1.40	3.29 ±1.33	2.21 ±0.39	2.90 ±0.95	2.87 ±1.10
생식기	0.30 ±0.12	0.31 ±0.07	0.26 ±0.09	0.28 ±0.10	0.21 ±0.07	0.31 ±0.10	0.31 ±0.06	0.34 ±0.05	0.32 ±0.03	0.29 ±0.09
유방	0.41 ±0.19	0.49 ±0.26	0.37 ±0.25	0.43 ±0.29	0.45 ±0.23	0.47 ±0.29	0.26 ±0.17	0.19 ±0.14	0.27 ±0.10	0.40 ±0.25
신장	0.20 ±0.02	0.17 ±0.03	0.17 ±0.03	0.16 ±0.02	0.15 ±0.02	0.13 ±0.05	0.14 ±0.02	0.14 ±0.02	0.15 ±0.01	0.16 ±0.03
신지방	1.53 ±0.74	2.23 ±0.94	1.85 ±0.48	1.98 ±0.69	2.16 ±0.70	2.11 ±1.17	1.48 ±0.51	1.58 ±0.42	1.67 ±0.41	1.90 ±0.75
기타지방	0.70 ±0.41	0.81 ±0.49	0.72 ±0.28	1.00 ±0.49	1.22 ±0.67	0.98 ±0.27	0.64 ±0.43	0.50 ±0.31	0.74 ±0.36	0.86 ±0.46
도축지방	7.16 ±3.50	8.29 ±3.07	7.73 ±2.10	9.21 ±3.17	10.58 ±3.22	8.94 ±3.58	8.11 ±2.86	6.87 ±1.43	7.65 ±1.74	8.49 ±2.99

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 177 육량 A등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중 (kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
온도체중 (kg)	293.91 ±12.89	305.67 ±9.48	343.45 ±17.18	372.35 ±17.65	401.28 ±18.10	438.01 ±18.14	480.74 ±8.62	498.48 ±17.30	542.18 ±13.09	402.20 ±78.39
머리	4.52 ±0.88	4.44 ±0.53	4.54 ±0.84	4.44 ±0.75	4.11 ±0.60	4.48 ±0.62	4.09 ±0.66	4.24 ±0.40	4.16 ±0.40	4.36 ±0.67
앞족	0.83 ±0.06	0.88 ±0.10	0.84 ±0.08	0.85 ±0.08	0.80 ±0.04	0.82 ±0.04	0.78 ±0.11	0.82 ±0.05	0.77 ±0.05	0.82 ±0.08
뒷족	0.92 ±0.08	0.95 ±0.13	0.90 ±0.09	0.90 ±0.07	0.84 ±0.04	0.84 ±0.04	0.84 ±0.09	0.86 ±0.05	0.83 ±0.06	0.88 ±0.08
혈액	3.21 ±0.41	3.17 ±0.53	3.02 ±0.42	2.91 ±0.42	2.73 ±0.46	3.12 ±0.55	2.80 ±0.37	3.00 ±0.56	2.65 ±0.22	2.95 ±0.46
가죽	5.64 ±0.44	6.31 ±0.87	5.98 ±1.08	5.97 ±0.88	5.95 ±0.75	5.94 ±0.87	5.93 ±0.57	5.85 ±0.49	6.08 ±0.46	5.97 ±0.78
내장총량	20.32 ±2.78	20.19 ±2.70	20.91 ±2.86	20.37 ±2.02	21.08 ±2.73	19.18 ±2.36	18.87 ±2.85	19.42 ±2.05	17.98 ±1.78	19.93 ±2.57
식도	0.07 ±0.01	0.08 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01
기관	0.13 ±0.04	0.15 ±0.04	0.14 ±0.04	0.15 ±0.04	0.15 ±0.04	0.18 ±0.10	0.15 ±0.04	0.15 ±0.03	0.15 ±0.02	0.15 ±0.05
허파	0.48 ±0.04	0.50 ±0.06	0.50 ±0.15	0.47 ±0.06	0.43 ±0.05	0.43 ±0.06	0.44 ±0.05	0.45 ±0.05	0.47 ±0.04	0.46 ±0.08
염통	0.43 ±0.05	0.40 ±0.03	0.37 ±0.05	0.38 ±0.05	0.34 ±0.03	0.37 ±0.04	0.36 ±0.04	0.36 ±0.02	0.36 ±0.03	0.37 ±0.04
간	1.17 ±0.12	1.12 ±0.14	1.07 ±0.15	1.04 ±0.10	1.06 ±0.09	1.03 ±0.10	1.02 ±0.15	0.95 ±0.11	0.98 ±0.14	1.05 ±0.13
이자	0.12 ±0.04	0.10 ±0.04	0.09 ±0.02	0.08 ±0.02	0.08 ±0.02	0.10 ±0.02	0.10 ±0.02	0.09 ±0.01	0.09 ±0.02	0.09 ±0.02
지라	0.19 ±0.03	0.18 ±0.03	0.19 ±0.05	0.19 ±0.04	0.16 ±0.02	0.18 ±0.02	0.18 ±0.02	0.19 ±0.02	0.18 ±0.03	0.18 ±0.03
1,2위	1.69 ±0.27	1.79 ±0.20	1.70 ±0.37	1.68 ±0.24	1.67 ±0.20	1.65 ±0.21	1.55 ±0.09	1.63 ±0.22	1.56 ±0.21	1.66 ±0.24

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
3위	0.52 ±0.10	0.50 ±0.12	0.45 ±0.08	0.45 ±0.09	0.44 ±0.05	0.46 ±0.07	0.39 ±0.09	0.46 ±0.12	0.39 ±0.08	0.45 ±0.09
4위	0.39 ±0.05	0.37 ±0.06	0.36 ±0.08	0.35 ±0.07	0.37 ±0.06	0.35 ±0.05	0.34 ±0.05	0.34 ±0.10	0.32 ±0.03	0.35 ±0.06
직장	0.10 ±0.02	0.11 ±0.03	0.09 ±0.01	0.09 ±0.03	0.08 ±0.01	0.09 ±0.02	0.08 ±0.01	0.08 ±0.02	0.09 ±0.02	0.09 ±0.02
소장	1.30 ±0.06	1.18 ±0.22	1.08 ±0.16	1.14 ±0.21	1.10 ±0.14	1.02 ±0.13	1.04 ±0.16	1.02 ±0.11	1.02 ±0.10	1.10 ±0.17
대장	0.85 ±0.13	0.78 ±0.18	0.74 ±0.16	0.70 ±0.21	0.64 ±0.14	0.63 ±0.15	0.48 ±0.09	0.58 ±0.17	0.57 ±0.18	0.67 ±0.19
배지방	3.21 ±0.90	2.58 ±0.81	3.29 ±1.09	3.17 ±1.38	3.47 ±1.07	3.10 ±1.09	2.86 ±0.81	2.79 ±0.82	2.74 ±0.88	3.05 ±1.04
내장지방	2.61 ±1.49	2.67 ±0.95	3.24 ±1.32	3.02 ±1.34	3.66 ±1.00	3.17 ±1.24	3.56 ±1.26	2.81 ±0.99	2.98 ±0.84	3.11 ±1.19
생식기	0.24 ±0.16	0.24 ±0.11	0.24 ±0.10	0.28 ±0.11	0.21 ±0.10	0.27 ±0.14	0.26 ±0.12	0.24 ±0.16	0.28 ±0.09	0.25 ±0.12
유방	0.42 ±0.27	0.40 ±0.15	0.51 ±0.32	0.36 ±0.18	0.46 ±0.24	0.40 ±0.16	0.39 ±0.26	0.36 ±0.23	0.32 ±0.16	0.41 ±0.23
신장	0.18 ±0.03	0.16 ±0.02	0.16 ±0.02	0.16 ±0.02	0.15 ±0.02	0.13 ±0.05	0.14 ±0.02	0.13 ±0.01	0.14 ±0.01	0.15 ±0.03
신지방	2.17 ±0.73	2.05 ±0.64	1.99 ±0.61	2.02 ±0.85	2.13 ±0.60	2.08 ±1.16	1.73 ±0.62	1.72 ±0.49	1.69 ±0.34	1.96 ±0.71
기타지방	0.83 ±0.32	0.91 ±0.71	0.92 ±0.40	0.88 ±0.37	1.17 ±0.68	1.06 ±0.31	0.81 ±0.46	0.88 ±0.58	0.78 ±0.39	0.92 ±0.47
도축지방	8.82 ±2.69	8.21 ±2.77	9.44 ±3.01	9.08 ±3.67	10.44 ±3.13	9.41 ±3.47	8.95 ±2.79	8.20 ±2.70	8.18 ±1.64	9.04 ±2.97

*평균±표준편차

*내장총량: 위내용물 포함

*도축지방: 배지방+내장지방+신지방+기타지방

*배지방:1,2위 지방+3위 지방+4위 지방

*내장지방:직장 지방+소장 지방+대장 지방

*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 178 육량 B등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중 (kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
온도체중 (kg)	263.71 ±19.85	312.79 ±22.13	341.26 ±10.38	379.64 ±21.18	406.41 ±14.39	438.11 ±13.04	480.52 ±17.69	508.88 ±14.80	569.67 ±39.00	417.82 ±84.82
머리	4.91 ±0.80	3.86 ±0.36	3.91 ±0.36	3.70 ±0.52	3.80 ±0.37	3.65 ±0.47	3.65 ±0.37	3.81 ±0.37	3.68 ±0.25	3.81 ±0.53
앞족	0.90 ±0.15	0.77 ±0.10	0.76 ±0.08	0.78 ±0.11	0.79 ±0.11	0.79 ±0.10	0.81 ±0.08	0.81 ±0.07	0.76 ±0.05	0.79 ±0.10
뒷족	0.97 ±0.13	0.86 ±0.10	0.85 ±0.07	0.83 ±0.10	0.84 ±0.08	0.84 ±0.08	0.84 ±0.07	0.87 ±0.06	0.83 ±0.08	0.85 ±0.09
혈액	3.46 ±0.52	3.15 ±0.66	3.04 ±0.36	2.81 ±0.48	2.77 ±0.43	2.63 ±0.49	2.54 ±0.48	2.54 ±0.43	2.60 ±0.56	2.79 ±0.54
가죽	6.57 ±1.07	5.62 ±1.11	5.36 ±0.48	5.34 ±0.60	5.39 ±0.55	5.54 ±0.85	5.51 ±0.69	5.75 ±0.51	5.42 ±0.82	5.55 ±0.78
내장총량	20.03 ±5.06	21.75 ±3.40	21.37 ±1.04	21.87 ±2.71	21.47 ±2.44	21.29 ±2.30	20.21 ±1.91	20.70 ±1.18	20.28 ±1.75	21.05 ±2.51
식도	0.08 ±0.02	0.07 ±0.01	0.08 ±0.01	0.08 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01
기관	0.14 ±0.03	0.13 ±0.03	0.14 ±0.03	0.17 ±0.03	0.16 ±0.03	0.16 ±0.04	0.15 ±0.05	0.13 ±0.04	0.12 ±0.03	0.15 ±0.04
허파	0.55 ±0.06	0.48 ±0.08	0.44 ±0.07	0.43 ±0.08	0.43 ±0.07	0.41 ±0.08	0.38 ±0.05	0.40 ±0.03	0.39 ±0.03	0.43 ±0.08
염통	0.43 ±0.05	0.38 ±0.05	0.38 ±0.05	0.34 ±0.06	0.35 ±0.04	0.33 ±0.04	0.34 ±0.04	0.34 ±0.04	0.31 ±0.04	0.35 ±0.05
간	1.22 ±0.16	1.10 ±0.24	1.08 ±0.17	1.02 ±0.13	0.97 ±0.11	1.02 ±0.10	0.97 ±0.07	1.03 ±0.07	0.99 ±0.06	1.03 ±0.14
이자	0.10 ±0.02	0.10 ±0.03	0.09 ±0.03	0.09 ±0.02	0.10 ±0.03	0.08 ±0.02	0.08 ±0.03	0.11 ±0.03	0.08 ±0.03	0.09 ±0.03
지라	0.20 ±0.04	0.20 ±0.04	0.16 ±0.04	0.17 ±0.03	0.15 ±0.02	0.17 ±0.02	0.16 ±0.02	0.20 ±0.09	0.21 ±0.12	0.18 ±0.05
1,2위	1.94 ±0.31	1.88 ±0.47	1.82 ±0.34	1.66 ±0.23	1.68 ±0.19	1.63 ±0.26	1.56 ±0.21	1.69 ±0.16	1.57 ±0.19	1.69 ±0.28

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
3위	0.52 ±0.09	0.57 ±0.14	0.55 ±0.15	0.45 ±0.10	0.43 ±0.07	0.40 ±0.07	0.35 ±0.06	0.39 ±0.08	0.39 ±0.05	0.44 ±0.11
4위	0.40 ±0.05	0.35 ±0.10	0.37 ±0.06	0.37 ±0.06	0.40 ±0.08	0.35 ±0.05	0.37 ±0.09	0.35 ±0.04	0.34 ±0.05	0.36 ±0.07
직장	0.12 ±0.03	0.11 ±0.02	0.11 ±0.03	0.09 ±0.03	0.10 ±0.03	0.08 ±0.02	0.08 ±0.02	0.08 ±0.01	0.07 ±0.02	0.09 ±0.02
소장	1.13 ±0.15	1.16 ±0.15	1.03 ±0.12	1.07 ±0.12	1.04 ±0.16	1.05 ±0.18	1.02 ±0.13	1.10 ±0.14	0.89 ±0.11	1.05 ±0.15
대장	0.78 ±0.13	0.72 ±0.20	0.66 ±0.16	0.70 ±0.26	0.63 ±0.19	0.57 ±0.21	0.58 ±0.20	0.53 ±0.13	0.54 ±0.18	0.63 ±0.21
배지방	2.21 ±1.10	3.72 ±0.99	3.33 ±0.88	3.95 ±1.01	3.69 ±0.78	3.89 ±1.02	3.91 ±0.83	3.37 ±0.58	3.72 ±0.65	3.65 ±0.97
내장지방	2.45 ±1.06	3.28 ±1.05	3.16 ±1.11	3.97 ±1.02	4.44 ±1.45	4.02 ±0.85	4.32 ±1.11	4.19 ±1.02	3.58 ±0.58	3.82 ±1.13
생식기	0.28 ±0.12	0.18 ±0.05	0.16 ±0.05	0.16 ±0.10	0.13 ±0.06	0.12 ±0.08	0.09 ±0.05	0.12 ±0.11	0.14 ±0.06	0.14 ±0.09
유방	0.50 ±0.30	0.59 ±0.26	0.62 ±0.28	0.61 ±0.21	0.57 ±0.13	0.64 ±0.20	0.62 ±0.21	0.67 ±0.30	0.86 ±0.35	0.63 ±0.25
신장	0.19 ±0.02	0.16 ±0.03	0.16 ±0.03	0.15 ±0.02	0.14 ±0.02	0.13 ±0.02	0.13 ±0.01	0.14 ±0.01	0.14 ±0.02	0.15 ±0.03
신지방	1.37 ±0.61	2.78 ±0.84	2.31 ±0.67	2.39 ±0.80	2.55 ±0.39	2.44 ±0.71	2.13 ±0.58	1.55 ±0.25	2.17 ±0.54	2.24 ±0.73
기타지방	0.63 ±0.29	1.22 ±0.55	1.12 ±0.48	1.25 ±0.44	1.42 ±0.60	1.32 ±0.49	1.25 ±0.53	1.15 ±0.42	1.19 ±0.26	1.21 ±0.48
도축지방	6.66 ±2.89	11.00 ±2.94	9.93 ±2.31	11.55 ±2.70	12.09 ±2.58	11.67 ±2.31	11.61 ±2.29	10.27 ±1.40	10.66 ±1.15	10.92 ±2.63

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 179 육량 C등급 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중 (kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
온도체중 (kg)	341.24 ±27.95	383.48 ±20.50	415.79 ±20.65	445.98 ±19.51	487.48 ±19.28	515.41 ±19.74	557.16 ±15.51	561.70 ±9.36	452.11 ±66.01
머리	4.01 ±0.72	3.62 ±0.39	3.61 ±0.33	3.52 ±0.34	3.51 ±0.32	3.63 ±0.26	3.50 ±0.47	3.53 ±0.25	3.59 ±0.38
앞족	0.78 ±0.12	0.74 ±0.08	0.73 ±0.05	0.74 ±0.04	0.76 ±0.06	0.79 ±0.09	0.72 ±0.06	0.83 ±0.03	0.75 ±0.07
뒷족	0.80 ±0.08	0.80 ±0.08	0.77 ±0.06	0.79 ±0.06	0.81 ±0.06	0.83 ±0.05	0.77 ±0.05	0.88 ±0.06	0.80 ±0.07
혈액	2.74 ±0.35	3.04 ±0.65	2.75 ±0.44	2.52 ±0.48	2.51 ±0.44	2.42 ±0.47	2.47 ±0.57	2.34 ±0.58	2.65 ±0.54
가죽	5.43 ±0.98	5.18 ±0.55	5.17 ±0.49	5.31 ±0.48	5.47 ±0.65	5.60 ±0.67	5.64 ±0.43	5.21 ±0.13	5.36 ±0.60
내장총량	19.36 ±2.74	20.98 ±2.53	21.18 ±1.40	21.12 ±2.31	19.45 ±1.25	19.27 ±1.01	18.66 ±2.19	19.84 ±2.40	20.19 ±2.11
식도	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.02	0.08 ±0.02	0.08 ±0.01	0.07 ±0.01
기관	0.15 ±0.02	0.14 ±0.04	0.14 ±0.04	0.13 ±0.03	0.13 ±0.03	0.14 ±0.03	0.14 ±0.03	0.16 ±0.06	0.14 ±0.04
허파	0.42 ±0.10	0.41 ±0.05	0.39 ±0.04	0.38 ±0.03	0.37 ±0.03	0.39 ±0.05	0.41 ±0.07	0.39 ±0.04	0.39 ±0.05
염통	0.35 ±0.06	0.35 ±0.03	0.33 ±0.04	0.31 ±0.04	0.33 ±0.03	0.32 ±0.03	0.30 ±0.04	0.30 ±0.06	0.33 ±0.04
간	0.96 ±0.08	1.01 ±0.12	1.01 ±0.10	0.93 ±0.07	0.95 ±0.06	0.90 ±0.05	0.98 ±0.13	0.91 ±0.09	0.96 ±0.10
이자	0.08 ±0.02	0.09 ±0.03	0.09 ±0.03	0.09 ±0.03	0.09 ±0.03	0.07 ±0.02	0.07 ±0.01	0.09 ±0.05	0.09 ±0.03
지라	0.20 ±0.07	0.16 ±0.02	0.15 ±0.03	0.15 ±0.03	0.16 ±0.02	0.16 ±0.03	0.16 ±0.04	0.20 ±0.07	0.16 ±0.04
1,2위	1.53 ±0.30	1.60 ±0.23	1.60 ±0.23	1.64 ±0.21	1.59 ±0.24	1.61 ±0.19	1.51 ±0.25	1.68 ±0.08	1.60 ±0.22

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
3위	0.43 ±0.09	0.42 ±0.10	0.40 ±0.09	0.38 ±0.08	0.36 ±0.06	0.37 ±0.05	0.34 ±0.06	0.41 ±0.05	0.39 ±0.08
4위	0.31 ±0.02	0.36 ±0.05	0.34 ±0.06	0.36 ±0.07	0.34 ±0.04	0.34 ±0.07	0.32 ±0.08	0.40 ±0.09	0.35 ±0.06
직장	0.10 ±0.06	0.09 ±0.01	0.08 ±0.03	0.07 ±0.02	0.07 ±0.01	0.08 ±0.04	0.08 ±0.03	0.08 ±0.04	0.08 ±0.03
소장	1.09 ±0.20	1.14 ±0.19	1.06 ±0.11	1.07 ±0.12	1.06 ±0.09	0.96 ±0.13	0.98 ±0.19	0.85 ±0.02	1.05 ±0.15
대장	0.59 ±0.13	0.72 ±0.24	0.65 ±0.15	0.57 ±0.14	0.57 ±0.23	0.56 ±0.11	0.54 ±0.16	0.49 ±0.12	0.60 ±0.19
배지방	3.55 ±1.01	3.74 ±0.69	4.10 ±0.73	4.02 ±0.79	3.31 ±0.73	3.55 ±0.59	3.31 ±0.71	3.04 ±0.73	3.66 ±0.78
내장지방	3.55 ±1.69	4.10 ±1.06	4.37 ±0.59	4.79 ±0.95	4.18 ±0.69	3.70 ±0.42	3.76 ±0.81	3.63 ±1.34	4.13 ±0.95
생식기	0.24 ±0.11	0.15 ±0.05	0.14 ±0.03	0.11 ±0.06	0.09 ±0.04	0.09 ±0.07	0.09 ±0.05	0.13 ±0.02	0.12 ±0.07
유방	0.72 ±0.19	0.85 ±0.37	0.67 ±0.26	0.70 ±0.35	0.63 ±0.23	0.68 ±0.25	0.73 ±0.29	0.90 ±0.18	0.72 ±0.29
신장	0.14 ±0.02	0.15 ±0.01	0.14 ±0.01	0.13 ±0.01	0.13 ±0.01	0.13 ±0.01	0.12 ±0.01	0.13 ±0.01	0.13 ±0.02
신지방	2.19 ±0.51	2.40 ±0.54	2.06 ±0.71	2.40 ±0.70	2.29 ±0.69	2.07 ±0.41	1.77 ±0.38	2.30 ±0.46	2.22 ±0.61
기타지방	1.01 ±0.15	1.38 ±0.42	1.18 ±0.41	1.22 ±0.55	1.26 ±0.50	1.38 ±0.67	1.32 ±0.46	1.38 ±0.53	1.27 ±0.49
도축지방	10.29 ±2.81	11.61 ±2.03	11.70 ±1.47	12.43 ±1.81	11.04 ±1.26	10.71 ±1.24	10.16 ±1.46	10.34 ±2.81	11.28 ±1.83

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 180 도체등급에 따른 한우 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
온도체중 (kg)	504.96 ±54.68	457.40 ±67.33	431.28 ±67.63	409.61 ±79.63	390.42 ±78.12	402.20 ±78.39	417.82 ±84.82	452.11 ±66.01
머리	3.47 ±0.27	3.70 ±0.31	3.75 ±0.50	3.81 ±0.56	4.37 ±0.72	4.36 ±0.67	3.81 ±0.53	3.59 ±0.38
앞족	0.77 ±0.05	0.77 ±0.07	0.77 ±0.08	0.78 ±0.09	0.83 ±0.10	0.82 ±0.08	0.79 ±0.10	0.75 ±0.07
뒷족	0.83 ±0.06	0.82 ±0.07	0.83 ±0.09	0.83 ±0.09	0.87 ±0.09	0.88 ±0.08	0.85 ±0.09	0.80 ±0.07
혈액	2.33 ±0.53	2.69 ±0.44	2.73 ±0.48	2.80 ±0.57	3.02 ±0.50	2.95 ±0.46	2.79 ±0.54	2.65 ±0.54
가죽	5.26 ±0.55	5.53 ±0.61	5.51 ±0.70	5.51 ±0.78	5.95 ±0.84	5.97 ±0.78	5.55 ±0.78	5.36 ±0.60
내장총량	19.95 ±1.42	19.85 ±2.11	20.65 ±2.06	21.23 ±2.53	19.97 ±2.86	19.93 ±2.57	21.05 ±2.51	20.19 ±2.11
식도	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01
기관	0.14 ±0.04	0.14 ±0.04	0.14 ±0.05	0.15 ±0.03	0.15 ±0.03	0.15 ±0.05	0.15 ±0.04	0.14 ±0.04
허파	0.39 ±0.04	0.40 ±0.05	0.40 ±0.09	0.42 ±0.06	0.48 ±0.07	0.46 ±0.08	0.43 ±0.08	0.39 ±0.05
염통	0.31 ±0.04	0.33 ±0.04	0.34 ±0.05	0.35 ±0.05	0.38 ±0.05	0.37 ±0.04	0.35 ±0.05	0.33 ±0.04
간	0.97 ±0.11	0.98 ±0.10	1.00 ±0.10	1.01 ±0.12	1.06 ±0.17	1.05 ±0.13	1.03 ±0.14	0.96 ±0.10
이자	0.08 ±0.03	0.09 ±0.03	0.09 ±0.03	0.09 ±0.02	0.09 ±0.02	0.09 ±00.2	0.09 ±0.03	0.09 ±0.03
지라	0.17 ±0.08	0.16 ±0.04	0.17 ±0.04	0.17 ±0.03	0.19 ±0.04	0.18 ±0.03	0.18 ±0.05	0.16 ±0.04

구분	육질등급					육량등급		
	1^{++}	1^{+}	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
1,2위	1.56 ±0.17	1.54 ±0.20	1.60 ±0.21	1.68 ±0.24	1.75 ±0.30	1.66 ±0.24	1.69 ±0.28	1.60 ±0.22
3위	0.37 ±0.05	0.39 ±0.07	0.40 ±0.09	0.43 ±0.11	0.47 ±0.11	0.45 ±0.09	0.44 ±0.11	0.39 ±0.08
4위	0.35 ±0.04	0.34 ±0.07	0.35 ±0.05	0.36 ±0.07	0.36 ±0.07	0.35 ±0.06	0.36 ±0.07	0.35 ±0.06
직장	0.08 ±0.01	0.08 ±0.02	0.08 ±0.02	0.09 ±0.03	0.10 ±0.02	0.09 ±0.02	0.09 ±0.02	0.08 ±0.03
소장	1.05 ±0.17	1.03 ±0.14	1.08 ±0.17	1.06 ±0.15	1.09 ±0.16	1.10 ±0.17	1.05 ±0.15	1.05 ±0.15
대장	0.57 ±0.15	0.57 ±0.20	0.62 ±0.19	0.67 ±0.22	0.66 ±0.17	0.67 ±0.19	0.63 ±0.21	0.60 ±0.19
배지방	3.56 ±0.61	3.55 ±0.66	3.83 ±0.79	3.73 ±1.04	2.87 ±1.03	3.05 ±1.04	3.65 ±0.97	3.66 ±0.78
내장지방	4.20 ±0.78	4.02 ±0.83	4.02 ±1.05	3.99 ±1.20	2.87 ±1.10	3.11 ±1.19	3.82 ±1.13	4.13 ±0.95
생식기	0.09 ±0.05	0.10 ±0.05	0.12 ±0.07	0.17 ±0.08	0.29 ±0.09	0.25 ±0.12	0.14 ±0.09	0.12 ±0.07
유방	0.72 ±0.27	0.71 ±0.29	0.66 ±0.29	0.63 ±0.23	0.40 ±0.25	0.41 ±0.23	0.63 ±0.25	0.72 ±0.29
신장	0.13 ±0.02	0.13 ±0.02	0.14 ±0.02	0.14 ±0.02	0.16 ±0.03	0.15 ±0.03	0.15 ±0.03	0.13 ±0.02
신지방	2.24 ±0.62	2.14 ±0.61	2.30 ±0.65	2.27 ±0.68	1.90 ±0.75	1.96 ±0.71	2.24 ±0.73	2.22 ±0.61
기타지방	1.19 ±0.40	1.21 ±0.40	1.31 ±0.50	1.24 ±0.52	0.86 ±0.46	0.92 ±0.47	1.21 ±0.48	1.27 ±0.49
도축지방	11.19 ±1.54	10.93 ±1.70	11.45 ±1.90	11.23 ±2.67	8.49 ±2.99	9.04 ±2.97	10.92 ±2.63	11.28 ±1.83

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 181 도체등급에 따른 한우 암소의 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
온도체중 (kg)	483.10 ±69.63	391.82 ±44.34	399.32 ±53.47	383.61 ±69.53	351.71 ±47.41	338.33 ±40.33	367.17 ±61.65	415.29 ±52.59
머리	3.69 ±0.30	3.57 ±0.28	3.56 ±0.35	3.64 ±0.40	3.84 ±0.43	3.91 ±0.38	3.73 ±0.42	3.50 ±0.29
앞족	0.74 ±0.06	0.71 ±0.05	0.72 ±0.07	0.76 ±0.09	0.81 ±0.10	0.81 ±0.07	0.76 ±0.10	0.73 ±0.08
뒷족	0.82 ±0.09	0.77 ±0.07	0.78 ±0.08	0.82 ±0.09	0.84 ±0.08	0.86 ±0.09	0.83 ±0.08	0.78 ±0.07
혈액	2.53 ±0.56	2.77 ±0.46	2.83 ±0.43	2.82 ±0.56	3.01 ±0.43	2.97 ±0.28	2.91 ±0.51	2.76 ±0.54
가죽	4.82 ±0.53	5.15 ±0.48	5.05 ±0.41	5.20 ±0.57	5.22 ±0.47	5.30 ±0.60	5.20 ±0.50	5.05 ±0.42
내장총량	20.83 ±0.89	21.03 ±2.53	22.14 ±1.51	22.00 ±2.35	22.47 ±1.91	22.40 ±2.59	22.33 ±2.18	21.55 ±1.66
식도	0.06 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.08 ±0.01	0.08 ±0.01	0.08 ±0.01	0.07 ±0.01
기관	0.14 ±0.05	0.14 ±0.04	0.14 ±0.04	0.15 ±0.03	0.15 ±0.04	0.16 ±0.04	0.15 ±0.03	0.14 ±0.04
허파	0.40 ±0.04	0.39 ±0.05	0.39 ±0.05	0.41 ±0.06	0.47 ±0.07	0.44 ±0.06	0.44 ±0.08	0.39 ±0.05
염통	0.33 ±0.05	0.34 ±0.05	0.35 ±0.06	0.35 ±0.04	0.39 ±0.05	0.39 ±0.05	0.36 ±0.06	0.34 ±0.04
간	1.02 ±0.22	0.99 ±0.10	1.02 ±0.11	1.01 ±0.11	1.10 ±0.19	1.09 ±0.13	1.06 ±0.17	0.99 ±0.11
이자	0.11 ±0.05	0.10 ±0.03	0.10 ±0.03	0.09 ±0.02	0.10 ±0.03	0.10 ±0.03	0.10 ±0.03	0.09 ±0.03
지라	0.17 ±0.02	0.15 ±0.02	0.16 ±0.03	0.17 ±0.03	0.19 ±0.04	0.17 ±0.03	0.18 ±0.04	0.16 ±0.03
1,2위	1.65 ±0.14	1.56 ±0.24	1.61 ±0.19	1.69 ±0.25	1.94 ±0.33	1.84 ±0.32	1.78 ±0.32	1.63 ±0.21

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
3위	0.42 ±0.05	0.41 ±0.08	0.46 ±0.11	0.44 ±0.12	0.52 ±0.12	0.50 ±0.11	0.50 ±0.13	0.42 ±0.09
4위	0.36 ±0.08	0.36 ±0.08	0.36 ±0.04	0.38 ±0.07	0.39 ±0.07	0.39 ±0.06	0.38 ±0.07	0.36 ±0.06
직장	0.09 ±0.01	0.09 ±0.03	0.08 ±0.02	0.10 ±0.03	0.10 ±0.02	0.10 ±0.02	0.10 ±0.02	0.09 ±0.03
소장	0.98 ±0.20	1.10 ±0.15	1.11 ±0.20	1.07 ±0.15	1.11 ±0.15	1.12 ±0.19	1.06 ±0.14	1.10 ±0.16
대장	0.59 ±0.11	0.69 ±0.22	0.68 ±0.21	0.72 ±0.20	0.66 ±0.19	0.72 ±0.17	0.69 ±0.21	0.67 ±0.21
배지방	3.28 ±0.27	3.74 ±0.75	4.15 ±0.84	3.94 ±1.01	3.64 ±0.81	3.82 ±1.01	3.86 ±0.97	3.89 ±0.77
내장지방	3.78 ±0.60	4.25 ±1.02	4.34 ±1.08	4.20 ±1.21	3.45 ±1.03	3.69 ±1.20	3.69 ±1.12	4.46 ±1.00
생식기	0.15 ±0.03	0.14 ±0.04	0.15 ±0.05	0.16 ±0.05	0.20 ±0.05	0.18 ±0.06	0.17 ±0.05	0.16 ±0.05
유방	0.79 ±0.10	0.82 ±0.41	0.73 ±0.32	0.68 ±0.19	0.56 ±0.27	0.56 ±0.20	0.63 ±0.24	0.78 ±0.32
신장	0.14 ±0.02	0.14 ±0.02	0.14 ±0.02	0.14 ±0.02	0.17 ±0.03	0.16 ±0.02	0.15 ±0.03	0.14 ±0.02
신지방	2.82 ±0.44	2.39 ±0.68	2.30 ±0.74	2.40 ±0.72	2.42 ±0.70	2.25 ±0.58	2.46 ±0.79	2.40 ±0.68
기타지방	1.33 ±0.09	1.20 ±0.42	1.31 ±0.54	1.26 ±0.47	1.14 ±0.51	1.18 ±0.59	1.23 ±0.52	1.26 ±0.40
도축지방	11.22 ±0.93	11.59 ±1.95	12.11 ±2.26	11.80 ±2.53	10.65 ±2.60	10.95 ±2.92	11.25 ±2.75	12.01 ±1.76

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 182 도체등급에 따른 한우 수소의 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
온도체중 (kg)	441.47 ±98.91	416.47 ±84.10	429.39 ±74.95	391.95 ±136.09	303.80 ±0.00
머리	4.53 ±0.76	4.73 ±0.65	4.67 ±0.64	4.87 ±0.87	4.93 ±0.26
앞족	0.80 ±0.09	0.85 ±0.09	0.83 ±0.09	0.89 ±0.14	0.92 ±0.04
뒷족	0.88 ±0.08	0.89 ±0.10	0.88 ±0.09	0.95 ±0.12	0.88 ±0.06
혈액	2.98 ±0.57	3.02 ±0.55	2.99 ±0.52	3.22 ±0.75	2.94 ±0.32
가죽	6.59 ±0.88	6.44 ±0.65	6.35 ±0.63	7.14 ±0.75	6.75 ±0.26
내장총량	19.37 ±1.41	18.29 ±2.05	18.66 ±1.92	17.64 ±2.38	16.68 ±0.10
식도	0.07 ±0.01	0.08 ±0.01	0.07 ±0.01	0.07 ±0.01	0.08 ±0.00
기관	0.15 ±0.04	0.15 ±0.03	0.15 ±0.04	0.16 ±0.03	0.15 ±0.01
허파	0.46 ±0.06	0.49 ±0.06	0.48 ±0.05	0.52 ±0.11	0.53 ±0.11
염통	0.37 ±0.05	0.38 ±0.05	0.37 ±0.04	0.37 ±0.07	0.42 ±0.08
간	1.04 ±0.14	1.03 ±0.15	1.03 ±0.15	1.10 ±0.15	1.05 ±0.08
이자	0.08 ±0.02	0.09 ±0.02	0.09 ±0.02	0.10 ±0.03	0.08 ±0.01
지라	0.18 ±0.04	0.19 ±0.03	0.19 ±0.03	0.20 ±0.04	0.24 ±0.04
1,2위	1.67 ±0.16	1.63 ±0.20	1.62 ±0.18	1.73 ±0.26	1.46 ±0.14

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
3위	0.46 ±0.08	0.44 ±0.09	0.44 ±0.08	0.46 ±0.08	0.44 ±0.06
4위	0.36 ±0.07	0.34 ±0.06	0.34 ±0.06	0.36 ±0.06	0.30 ±0.00
직장	0.09 ±0.02	0.09 ±0.02	0.09 ±0.02	0.11 ±0.03	0.07 ±0.02
소장	1.06 ±0.19	1.08 ±0.17	1.08 ±0.16	1.07 ±0.21	0.94 ±0.27
대장	0.60 ±0.13	0.67 ±0.16	0.65 ±0.17	0.70 ±0.13	0.67 ±0.15
배지방	2.77 ±0.71	2.34 ±0.82	2.45 ±0.80	2.15 ±0.95	2.62 ±0.41
내장지방	2.86 ±0.81	2.48 ±0.98	2.59 ±0.98	2.30 ±0.87	2.09 ±0.41
생식기	0.31 ±0.05	0.34 ±0.06	0.34 ±0.06	0.35 ±0.08	0.39 ±0.02
유방	0.38 ±0.14	0.29 ±0.15	0.27 ±0.12	0.41 ±0.19	0.66 ±0.21
신장	0.15 ±0.01	0.15 ±0.03	0.15 ±0.03	0.17 ±0.03	0.15 ±0.02
신지방	1.89 ±0.58	1.55 ±0.56	1.61 ±0.57	1.47 ±0.57	2.05 ±0.66
기타지방	1.02 ±0.50	0.67 ±0.31	0.71 ±0.34	0.77 ±0.57	0.85 ±0.15
도축지방	8.54 ±2.10	7.04 ±2.29	7.36 ±2.33	6.69 ±2.56	7.62 ±1.33

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

표 183 도체등급에 따른 한우 거세우의 도축 시 발생하는 절식체중 대비 1차 부산물 생산율(단위: %)

구분	육질등급				육량등급		
	1^{++}	1^{+}	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
온도체중 (kg)	508.41 ±53.45	480.27 ±58.53	447.65 ±67.91	468.11 ±57.17	414.56 ±79.92	470.64 ±60.20	492.08 ±47.79
머리	3.44 ±0.26	3.75 ±0.31	3.85 ±0.55	3.82 ±0.44	4.13 ±0.62	3.72 ±0.35	3.63 ±0.37
앞족	0.77 ±0.05	0.79 ±0.06	0.80 ±0.07	0.80 ±0.09	0.83 ±0.06	0.81 ±0.07	0.77 ±0.05
뒷족	0.83 ±0.05	0.84 ±0.06	0.86 ±0.08	0.85 ±0.08	0.89 ±0.06	0.86 ±0.07	0.82 ±0.05
혈액	2.29 ±0.53	2.67 ±0.43	2.67 ±0.52	2.61 ±0.58	2.85 ±0.48	2.60 ±0.47	2.52 ±0.54
가죽	5.33 ±0.53	5.67 ±0.60	5.76 ±0.71	5.72 ±0.55	5.86 ±0.75	5.63 ±0.67	5.60 ±0.55
내장총량	19.81 ±1.46	19.44 ±1.79	19.79 ±1.86	20.11 ±2.65	20.01 ±1.54	20.37 ±2.03	19.00 ±1.63
식도	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01	0.07 ±0.01
기관	0.14 ±0.04	0.14 ±0.04	0.14 ±0.06	0.14 ±0.04	0.15 ±0.08	0.14 ±0.04	0.14 ±0.03
허파	0.38 ±0.04	0.40 ±0.05	0.41 ±0.11	0.41 ±0.06	0.46 ±0.14	0.39 ±0.05	0.39 ±0.04
염통	0.31 ±0.03	0.33 ±0.04	0.34 ±0.04	0.31 ±0.04	0.35 ±0.03	0.34 ±0.04	0.31 ±0.03
간	0.97 ±0.08	0.97 ±0.09	0.99 ±0.09	0.98 ±0.11	1.05 ±0.07	1.00 ±0.09	0.93 ±0.08
이자	0.08 ±0.03	0.09 ±0.03	0.09 ±0.02	0.07 ±0.03	0.09 ±0.03	0.09 ±0.03	0.08 ±0.03
지라	0.17 ±0.09	0.17 ±0.05	0.17 ±0.04	0.18 ±0.04	0.19 ±0.05	0.18 ±0.07	0.16 ±0.03
1,2위	1.55 ±0.17	1.54 ±0.19	1.59 ±0.22	1.64 ±0.26	1.54 ±0.15	1.59 ±0.20	1.57 ±0.23

구분	육질등급				육량등급		
	1^{++}	1^{+}	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
3위	0.36 ±0.05	0.38 ±0.06	0.37 ±0.06	0.39 ±0.08	0.40 ±0.06	0.38 ±0.06	0.36 ±0.06
4위	0.34 ±0.03	0.34 ±0.07	0.35 ±0.05	0.31 ±0.05	0.34 ±0.05	0.35 ±0.07	0.33 ±0.05
직장	0.07 ±0.01	0.07 ±0.02	0.08 ±0.03	0.08 ±0.02	0.08 ±0.01	0.08 ±0.02	0.07 ±0.02
소장	1.06 ±0.17	1.01 ±0.14	1.07 ±0.13	1.02 ±0.16	1.11 ±0.17	1.04 ±0.15	1.02 ±0.12
대장	0.57 ±0.16	0.53 ±0.18	0.60 ±0.17	0.59 ±0.27	0.64 ±0.24	0.56 ±0.20	0.54 ±0.14
배지방	3.60 ±0.65	3.49 ±0.62	3.67 ±0.68	3.69 ±1.00	3.65 ±0.48	3.70 ±0.76	3.49 ±0.71
내장지방	4.27 ±0.80	3.94 ±0.75	3.81 ±0.99	4.11 ±0.99	3.69 ±1.11	4.19 ±0.94	3.86 ±0.70
생식기	0.08 ±0.04	0.08 ±0.04	0.10 ±0.08	0.10 ±0.04	0.13 ±0.11	0.09 ±0.05	0.08 ±0.04
유방	0.71 ±0.28	0.66 ±0.22	0.63 ±0.26	0.65 ±0.27	0.57 ±0.25	0.67 ±0.24	0.68 ±0.26
신장	0.13 ±0.01	0.13 ±0.02	0.14 ±0.02	0.13 ±0.01	0.14 ±0.02	0.13 ±0.02	0.13 ±0.01
신지방	2.15 ±0.60	2.05 ±0.57	2.30 ±0.60	2.12 ±0.48	2.50 ±0.70	2.15 ±0.58	2.06 ±0.49
기타지방	1.16 ±0.42	1.22 ±0.40	1.29 ±0.49	1.31 ±0.67	1.11 ±0.33	1.25 ±0.41	1.30 ±0.57
도축지방	11.19 ±1.64	10.70 ±1.57	11.06 ±1.58	11.24 ±2.43	10.95 ±1.62	11.29 ±1.85	10.71 ±1.56

*평균±표준편차
*내장총량: 위내용물 포함
*도축지방: 배지방+내장지방+신지방+기타지방
*배지방:1,2위 지방+3위 지방+4위 지방
*내장지방:직장 지방+소장 지방+대장 지방
*기타지방:식도 지방+기관 지방+허파 지방+염통 지방+내장 적출 시 떨어져 나오는 지방 등

여 백

2차 부산물 생산

1) 출하체중에 따른 2차 부산물 생산량

표 184 출하체중에 따른 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
사골	14.84 ±2.14	13.58 ±1.69	14.49 ±2.20	14.95 ±2.00	15.71 ±2.29	16.41 ±1.93	17.98 ±2.03	19.69 ±2.39	21.55 ±1.70	22.38 ±2.38	24.24 ±2.05	17.79 ±3.51
꼬리반골	8.29 ±0.54	8.23 ±0.58	8.60 ±0.71	9.39 ±0.73	9.75 ±0.94	10.07 ±1.07	10.61 ±1.29	11.27 ±1.34	12.46 ±1.43	13.22 ±1.41	14.30 ±2.00	10.61 ±1.86
도가니	1.36 ±0.07	1.44 ±0.23	1.39 ±0.20	1.50 ±0.16	1.68 ±0.21	1.82 ±0.20	1.90 ±0.23	2.18 ±0.30	2.19 ±0.23	2.41 ±0.31	2.50 ±0.22	1.88 ±0.39
마구리	6.78 ±0.86	6.43 ±0.83	7.20 ±1.29	8.08 ±1.32	7.60 ±1.42	7.81 ±1.20	8.47 ±1.53	8.95 ±1.79	9.76 ±2.09	10.73 ±1.90	12.01 ±3.32	8.49 ±2.01
잡뼈	15.80 ±1.46	13.50 ±1.22	15.35 ±1.49	16.26 ±1.66	17.62 ±2.08	18.46 ±2.09	20.18 ±2.77	21.69 ±2.76	24.16 ±2.94	25.15 ±3.85	26.00 ±4.49	19.68 ±4.12
갈비뼈	6.17 ±0.39	5.78 ±0.78	6.05 ±0.52	6.62 ±0.74	6.92 ±0.82	7.34 ±0.83	7.92 ±0.99	8.50 ±0.88	9.36 ±0.77	10.11 ±1.18	10.81 ±0.84	7.80 ±1.53
뼈 소계	53.24 ±5.10	48.95 ±4.13	53.07 ±5.04	56.80 ±5.03	59.29 ±5.99	61.91 ±5.38	67.07 ±6.73	72.29 ±6.87	79.48 ±6.24	84.01 ±8.48	89.85 ±8.11	66.24 ±11.97

*평균±표준편차

표 185 출하체중에 따른 한우 암소 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
사골	12.90 ±1.43	12.96 ±1.26	13.92 ±1.39	14.25 ±1.11	15.19 ±1.29	15.99 ±1.42	17.73 ±1.88	23.49 ±2.82	14.88 ±2.44
꼬리반골	8.14 ±0.56	8.33 ±0.68	9.32 ±0.79	9.44 ±0.83	10.05 ±1.18	10.82 ±1.37	11.83 ±1.07	15.80 ±2.77	9.85 ±1.77
도가니	1.41 ±0.25	1.28 ±0.19	1.46 ±0.16	1.59 ±0.18	1.78 ±0.20	1.77 ±0.16	2.18 ±0.25	2.53 ±0.23	1.65 ±0.33
마구리	6.32 ±0.90	6.84 ±1.24	8.16 ±1.58	7.24 ±1.54	7.49 ±1.30	8.47 ±1.86	9.46 ±1.88	12.60 ±4.39	7.81 ±1.99
잡뼈	13.28 ±0.99	14.72 ±1.12	15.70 ±1.43	16.81 ±1.58	17.83 ±1.94	18.41 ±2.34	20.24 ±2.05	26.14 ±1.62	17.07 ±2.89
갈비뼈	5.50 ±0.47	5.92 ±0.45	6.35 ±0.64	6.50 ±0.55	6.93 ±0.70	7.42 ±0.99	8.22 ±1.04	11.04 ±0.73	6.80 ±1.22
뼈 소계	47.55 ±3.52	50.05 ±3.21	54.91 ±4.70	55.83 ±3.53	59.28 ±4.61	62.89 ±6.04	69.66 ±5.70	91.59 ±11.44	58.05 ±9.41

*평균±표준편차

표 186 출하체중에 따른 한우 수소 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
사골	16.54 ±1.03	17.58 ±1.04	19.08 ±1.38	19.05 ±1.34	19.86 ±1.54	22.27 ±2.03	22.73 ±2.13	23.91 ±2.42	20.15 ±2.93
꼬리반골	8.92 ±0.65	9.66 ±0.42	10.72 ±0.84	11.05 ±0.64	11.82 ±1.39	12.84 ±1.23	13.83 ±1.19	14.47 ±0.77	11.67 ±2.06
도가니	1.45 ±0.08	1.64 ±0.09	1.83 ±0.14	1.84 ±0.22	1.95 ±0.21	2.12 ±0.14	2.14 ±0.14	2.39 ±0.29	1.92 ±0.33
마구리	7.71 ±1.29	7.80 ±0.50	8.38 ±0.74	8.74 ±0.54	9.38 ±0.67	10.38 ±1.66	10.99 ±1.40	11.24 ±1.58	9.33 ±1.71
잡뼈	16.99 ±0.74	18.00 ±1.41	20.08 ±2.04	20.49 ±1.47	22.86 ±2.66	24.88 ±2.47	26.85 ±1.19	29.53 ±2.59	22.51 ±4.57
갈비뼈	6.60 ±0.37	7.31 ±0.50	7.82 ±0.84	7.71 ±0.71	8.60 ±1.26	9.17 ±0.94	9.68 ±0.58	10.90 ±1.21	8.50 ±1.58
뼈 소계	58.22 ±2.89	61.99 ±2.25	67.91 ±4.27	68.87 ±4.37	74.47 ±6.69	81.67 ±6.78	86.22 ±4.87	92.44 ±6.14	74.08 ±12.34

*평균±표준편차

표 187 출하체중에 따른 한우 거세우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중	324.50 ±26.30	389.30 ±13.60	413.50 ±15.20	440.20 ±16.50	477.10 ±19.70	505.00 ±19.00	545.60 ±22.10	564.60 ±16.50	464.00 ±63.60
사골	16.22 ±0.93	17.11 ±1.02	17.34 ±0.90	18.48 ±1.45	19.66 ±2.01	21.15 ±1.43	21.54 ±2.01	24.21 ±1.44	19.51 ±2.49
꼬리반골	8.92 ±0.75	9.79 ±0.67	9.46 ±0.41	9.99 ±0.72	10.68 ±1.02	11.88 ±0.81	12.41 ±1.09	13.64 ±1.23	10.81 ±1.48
도가니	1.55 ±0.12	1.82 ±0.20	1.88 ±0.19	1.97 ±0.24	2.19 ±0.34	2.20 ±0.26	2.44 ±0.32	2.46 ±0.26	2.09 ±0.35
마구리	7.45 ±0.71	8.02 ±1.18	7.92 ±1.01	8.10 ±1.45	8.43 ±1.59	9.15 ±1.71	10.29 ±2.01	12.58 ±3.12	8.75 ±1.95
잡뼈	15.39 ±1.57	17.76 ±1.52	18.50 ±2.05	20.21 ±2.19	21.33 ±2.44	23.27 ±2.84	22.72 ±2.84	24.45 ±3.81	20.86 ±3.38
갈비뼈	6.39 ±0.85	7.40 ±0.50	8.02 ±0.61	7.97 ±0.69	8.42 ±0.74	9.19 ±0.72	9.62 ±0.85	10.62 ±0.92	8.45 ±1.20
뼈 소계	55.91 ±3.80	61.90 ±2.72	63.13 ±2.28	66.71 ±4.45	70.72 ±5.17	76.84 ±3.77	79.01 ±5.85	87.95 ±4.38	70.49 ±8.76

*평균±표준편차

2) 도체등급에 따른 2차 부산물 생산량

표 188 육질 1^{++}등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
사골	16.90 ±1.85	19.1 8±1.98	21.44 ±1.80	21.45 ±0.31	24.16 ±2.82	20.06 ±2.94
꼬리반골	9.83 ±1.15	10.83 ±1.01	12.11 ±1.36	11.64 ±0.22	14.25 ±1.36	11.41 ±1.72
도가니	1.96 ±0.22	2.40 ±0.38	2.55 ±0.28	2.65 ±0.35	2.58 ±0.35	2.39 ±0.39
마구리	7.93 ±1.74	9.53 ±1.22	8.57 ±2.29	9.81 ±1.62	12.65 ±4.72	9.46 ±2.51
잡뼈	18.30 ±2.04	19.96 ±2.08	22.48 ±1.88	22.02 ±3.80	24.45 ±1.60	20.93 ±2.92
갈비뼈	7.28 ±0.56	8.39 ±0.81	9.19 ±0.24	9.25 ±0.13	10.54 ±0.55	8.69 ±1.17
뼈 소계	62.21 ±4.41	70.30 ±4.22	76.33 ±5.14	76.82 ±2.51	88.62 ±7.13	72.95 ±9.34

*평균±표준편차

표 189 육질 1^{+}등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
사골	13.53 ±2.34	15.17 ±2.08	16.04 ±2.14	18.21 ±2.82	19.71 ±1.94	21.18 ±1.17	21.32 ±2.30	18.30 ±3.25
꼬리반골	8.31 ±0.98	9.55 ±0.56	9.43 ±0.70	10.45 ±0.85	10.86 ±1.00	11.84 ±0.63	12.28 ±0.83	10.54 ±1.37
도가니	1.47 ±0.24	1.72 ±0.15	1.75 ±0.14	1.92 ±0.23	2.19 ±0.31	2.09 ±0.18	2.44 ±0.25	1.99 ±0.35
마구리	6.86 ±0.74	6.70 ±1.19	7.49 ±1.44	8.95 ±1.39	8.35 ±1.74	9.44 ±1.80	9.56 ±2.09	8.22 ±1.83
잡뼈	13.82 ±1.80	17.68 ±1.95	18.14 ±2.49	18.74 ±1.72	21.64 ±2.76	23.60 ±3.28	23.40 ±0.91	20.18 ±3.67
갈비뼈	5.55 ±0.47	6.85 ±0.73	7.45 ±1.01	7.86 ±1.07	8.59 ±0.73	9.32 ±0.67	10.19 ±0.75	8.14 ±1.45
뼈 소계	49.54 ±6.03	57.67 ±4.33	60.30 ±5.71	66.13 ±6.75	71.35 ±5.43	77.46 ±3.71	79.19 ±4.54	67.37 ±10.20

*평균±표준편차

표 190 육질 1등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간 (kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
사골	15.14 ±1.83	15.18 ±1.75	14.54 ±1.18	16.49 ±1.37	17.19 ±1.81	19.10 ±2.35	20.86 ±1.50	22.09 ±1.08	21.78 ±38.39
꼬리반골	8.49 ±0.57	9.13 ±0.73	9.37 ±0.77	9.42 ±0.58	10.17 ±0.80	10.59 ±1.01	11.68 ±0.77	12.93 ±1.04	10.12 ±1.38
도가니	1.56 ±0.25	1.56 ±0.16	1.58 ±0.21	1.85 ±0.21	1.93 ±0.23	2.10 ±0.29	2.16 ±0.24	2.36 ±0.19	2.43 ±4.75
마구리	6.98 ±0.29	7.54 ±1.02	7.22 ±1.24	7.90 ±0.85	7.70 ±1.28	8.46 ±1.57	9.04 ±1.65	11.29 ±2.44	8.52 ±3.97
잡뼈	14.39 ±0.83	16.44 ±1.35	16.34 ±1.55	17.28 ±1.54	19.51 ±2.10	20.79 ±2.18	23.42 ±2.90	23.71 ±4.76	18.72 ±3.52
갈비뼈	5.81 ±0.52	6.77 ±0.79	6.68 ±0.62	7.45 ±1.00	7.47 ±0.61	8.00 ±0.86	9.06 ±0.95	9.84 ±1.00	7.75 ±2.24
뼈 소계	52.38 ±3.01	56.62 ±3.88	55.74 ±3.67	60.39 ±3.77	63.96 ±4.42	69.04 ±4.92	76.22 ±3.53	82.22 ±3.60	63.35 ±10.00

*평균±표준편차

표 191 육질 2등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간 (kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중 (kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중 (kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
사골	13.05 ±1.40	13.54 ±1.72	15.39 ±2.04	15.77 ±2.05	17.59 ±1.45	18.53 ±2.58	21.51 ±1.76	24.23 ±2.92	16.77 ±3.73
꼬리반골	8.20 ±0.80	9.04 ±0.81	9.43 ±0.73	10.47 ±1.19	10.18 ±0.81	12.19 ±1.24	13.52 ±2.09	14.99 ±2.09	10.51 ±2.24
도가니	1.30 ±0.20	1.41 ±0.12	1.63 ±0.22	1.77 ±0.24	1.83 ±0.23	2.10 ±0.21	2.21 ±0.08	2.40 ±0.32	1.76 ±0.39
마구리	6.09 ±1.04	7.79 ±1.13	7.53 ±1.38	7.84 ±1.43	8.24 ±1.17	8.85 ±2.13	10.85 ±2.97	11.70 ±2.72	8.27 ±2.17
잡뼈	14.38 ±1.37	15.08 ±1.66	17.50 ±2.12	18.30 ±1.86	19.81 ±2.93	22.31 ±3.01	24.64 ±3.45	27.56 ±4.87	19.11 ±4.60
갈비뼈	5.79 ±0.68	6.23 ±0.77	6.67 ±0.85	6.91 ±0.53	7.92 ±0.86	8.55 ±0.79	9.50 ±1.11	10.56 ±1.63	7.46 ±1.64
뼈 소계	48.81 ±4.19	53.09 ±5.21	58.16 ±5.63	61.04 ±5.35	65.56 ±4.72	72.54 ±7.43	82.23 ±8.51	91.44 ±11.15	63.89 ±13.54

*평균±표준편차

표 192 육질 3등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
사골	14.31 ±1.89	15.05 ±2.33	15.86 ±1.92	16.96 ±2.71	16.89 ±1.96	19.60 ±1.81	22.34 ±2.19	23.10 ±2.28	24.56 ±2.02	17.94 ±3.75
꼬리반골	8.40 ±0.56	8.88 ±0.60	9.77 ±0.51	10.43 ±1.05	10.53 ±1.15	12.14 ±1.46	12.87 ±1.32	13.61 ±1.38	14.75 ±0.59	10.85 ±2.04
도가니	1.38 ±0.13	1.38 ±0.15	1.52 ±0.18	1.74 ±0.22	1.86 ±0.21	1.93 ±0.21	2.13 ±0.15	2.11 ±0.17	2.39 ±0.33	1.77 ±0.35
마구리	6.84 ±0.87	7.79 ±1.50	8.61 ±1.53	8.32 ±1.40	7.74 ±1.25	9.91 ±1.23	10.71 ±1.48	11.40 ±1.47	12.02 ±1.19	8.91 ±1.97
잡뼈	14.87 ±1.64	16.20 ±1.62	17.10 ±1.42	18.61 ±2.10	19.62 ±1.80	22.63 ±3.03	24.46 ±2.33	26.28 ±0.73	29.28 ±0.70	19.99 ±4.46
갈비뼈	6.16 ±0.51	6.30 ±0.52	6.87 ±0.62	7.30 ±0.88	7.49 ±0.71	8.75 ±1.21	9.25 ±0.98	9.80 ±0.57	11.21 ±0.93	7.78 ±1.62
뼈 소계	51.96 ±4.32	55.61 ±5.37	59.73 ±3.83	63.36 ±6.49	64.13 ±5.58	74.96 ±6.33	81.76 ±7.32	86.31 ±5.74	94.20 ±3.58	67.22 ±13.21

*평균±표준편차

표 193 육량 A등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간 (kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
사골	14.15 ±1.70	15.40 ±2.28	15.88 ±2.00	17.82 ±2.10	17.44 ±2.01	19.30 ±2.21	21.85 ±2.03	22.49 ±2.20	23.87 ±2.47	18.45 ±3.62
꼬리반골	8.26 ±0.62	8.66 ±0.67	9.48 ±0.69	10.19 ±0.97	10.18 ±1.12	11.56 ±1.45	12.35 ±1.52	13.33 ±1.48	14.30 ±1.21	10.78 ±2.11
도가니	1.48 ±0.25	1.47 ±0.18	1.52 ±0.18	1.69 ±0.22	1.76 ±0.21	1.94 ±0.25	2.14 ±0.14	2.21 ±0.23	2.36 ±0.30	1.81 ±0.37
마구리	6.36 ±0.43	7.24 ±0.50	7.91 ±1.09	8.14 ±1.27	7.81 ±1.33	8.82 ±1.42	9.77 ±1.99	10.59 ±1.85	11.58 ±1.44	8.60 ±1.91
잡뼈	13.61 ±1.46	15.48 ±1.54	16.94 ±1.58	18.87 ±2.03	19.84 ±1.78	22.77 ±2.38	24.64 ±2.24	25.90 ±1.58	28.20 ±2.05	20.37 ±4.71
갈비뼈	5.84 ±0.93	6.05 ±0.49	6.83 ±0.71	7.41 ±0.90	7.62 ±0.62	8.61 ±1.03	9.01 ±0.96	9.54 ±0.56	10.68 ±1.30	7.85 ±1.65
뼈 소계	49.71 ±4.62	54.31 ±4.59	58.56 ±4.63	64.12 ±5.84	64.64 ±5.53	73.00 ±7.12	79.74 ±7.33	84.05 ±5.75	90.99 ±7.44	67.86 ±13.50

*평균±표준편차

표 194 육량 B등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
사골	13.72 ±2.08	13.46 ±1.65	14.06 ±1.12	15.51 ±1.94	16.63 ±1.10	18.21 ±1.69	19.73 ±2.23	22.08 ±1.20	23.47 ±1.98	17.53 ±3.60
꼬리반골	8.23 ±0.52	8.38 ±0.57	9.47 ±0.74	9.65 ±0.86	10.12 ±1.25	10.72 ±1.20	10.90 ±1.33	12.16 ±0.65	13.45 ±1.45	10.38 ±1.73
도가니	1.35 ±0.12	1.31 ±0.21	1.50 ±0.15	1.66 ±0.20	1.79 ±0.10	1.89 ±0.19	2.23 ±0.38	2.19 ±0.23	2.54 ±0.27	1.86 ±0.43
마구리	6.70 ±1.09	6.63 ±1.41	8.46 ±1.69	7.18 ±1.58	7.77 ±1.32	8.64 ±1.50	8.93 ±1.41	9.62 ±1.47	11.96 ±2.34	8.41 ±2.07
잡뼈	14.70 ±1.73	14.90 ±1.06	15.57 ±1.38	18.06 ±1.91	19.06 ±1.73	19.92 ±2.16	21.10 ±2.62	24.54 ±3.63	24.36 ±5.08	19.27 ±3.97
갈비뼈	5.94 ±0.44	5.95 ±0.51	6.45 ±0.82	6.98 ±0.69	7.75 ±0.84	8.04 ±0.95	8.57 ±0.76	9.54 ±0.65	10.13 ±0.91	7.75 ±1.48
뼈 소계	50.64 ±5.05	50.63 ±3.34	55.51 ±4.52	59.04 ±5.16	63.11 ±3.48	67.42 ±5.65	71.47 ±5.85	80.13 ±4.58	85.89 ±8.19	65.19 ±11.75

*평균±표준편차

표 195 육량 C등급 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
사골	13.77 ±2.17	14.34 ±1.47	15.42 ±1.67	16.90 ±1.72	18.63 ±2.02	20.65 ±1.23	20.99 ±1.74	24.01 ±2.70	17.37 ±3.24
꼬리반골	8.90 ±0.89	9.52 ±0.90	9.92 ±1.00	9.89 ±0.79	11.07 ±1.00	12.02 ±1.49	12.46 ±0.84	14.48 ±3.16	10.63 ±1.70
도가니	1.36 ±0.12	1.68 ±0.22	1.87 ±0.23	1.89 ±0.26	2.15 ±0.28	2.18 ±0.26	2.34 ±0.29	2.60 ±0.15	1.96 ±0.37
마구리	8.26 ±1.52	7.57 ±1.33	7.76 ±1.12	8.07 ±1.63	8.59 ±1.95	9.41 ±2.51	9.45 ±1.90	11.84 ±4.51	8.46 ±2.05
잡뼈	15.63 ±1.93	16.36 ±1.54	17.08 ±1.53	18.77 ±2.47	20.79 ±2.17	22.71 ±2.40	23.65 ±3.12	25.24 ±4.31	19.35 ±3.56
갈비뼈	6.23 ±0.50	6.51 ±0.65	6.90 ±0.75	7.37 ±0.68	8.21 ±0.84	9.14 ±0.92	9.78 ±1.00	11.17 ±0.87	7.77 ±1.48
뼈 소계	54.14 ±6.70	55.97 ±4.34	58.94 ±4.37	62.88 ±4.22	69.44 ±4.79	76.10 ±5.42	78.67 ±3.73	89.34 ±11.67	65.54 ±10.49

*평균±표준편차

표 196 도체등급에 따른 한우 냉도체의 2차 부산물 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
사골	20.06 ±2.94	18.30 ±3.25	17.40 ±2.94	16.77 ±3.73	17.94 ±3.75	18.45 ±3.62	17.53 ±3.60	17.37 ±3.24
꼬리반골	11.41 ±1.72	10.54 ±1.37	10.16 ±1.43	10.51 ±2.24	10.85 ±2.04	10.78 ±2.11	10.38 ±1.73	10.63 ±1.70
도가니	2.39 ±0.39	1.99 ±0.35	1.88 ±0.35	1.76 ±0.39	1.77 ±0.35	1.81 ±0.37	1.86 ±0.43	1.96 ±0.37
마구리	9.46 ±2.51	8.22 ±1.83	8.12 ±1.73	8.27 ±2.17	8.91 ±1.97	8.60 ±1.91	8.41 ±2.07	8.46 ±2.05
잡뼈	20.93 ±2.92	20.18 ±3.67	18.95 ±3.65	19.11 ±4.60	19.99 ±4.46	20.37 ±4.71	19.27 ±3.97	19.35 ±3.56
갈비뼈	8.69 ±1.17	8.14 ±1.45	7.57 ±1.32	7.46 ±1.64	7.78 ±1.62	7.85 ±1.65	7.75 ±1.48	7.77 ±1.48
뼈 소계	72.95 ±9.34	67.37 ±10.20	64.08 ±9.65	63.89 ±13.54	67.22 ±13.21	67.86 ±13.50	65.19 ±11.75	65.54 ±10.49

*평균±표준편차

표 197 도체등급에 따른 한우 암소 냉도체의 2차 부산물 생산량(단위: kg)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
사골	17.34 ±3.32	14.07 ±1.77	15.06 ±2.15	15.05 ±3.06	14.64 ±1.75	14.34 ±1.51	14.82 ±2.45	15.20 ±2.76
꼬리반골	11.71 ±0.88	9.47 ±1.18	9.75 ±1.45	10.00 ±2.30	9.75 ±1.37	9.04 ±1.03	9.83 ±1.73	10.27 ±1.96
도가니	2.30 ±0.34	1.69 ±0.32	1.71 ±0.28	1.64 ±0.37	1.55 ±0.27	1.47 ±0.20	1.58 ±0.30	1.80 ±0.36
마구리	8.43 ±1.13	7.08 ±1.59	7.55 ±1.47	7.89 ±2.41	8.17 ±1.91	7.15 ±1.40	7.60 ±1.84	8.32 ±2.25
잡뼈	20.44 ±5.17	16.49 ±2.14	16.91 ±2.33	17.34 ±3.50	16.79 ±2.37	16.29 ±2.62	17.22 ±2.92	17.32 ±2.98
갈비뼈	8.68 ±1.94	6.53 ±0.93	6.71 ±1.03	6.89 ±1.50	6.69 ±0.87	6.33 ±0.89	6.91 ±1.23	6.92 ±1.31
뼈 소계	68.90 ±10.63	55.34 ±6.47	57.69 ±7.50	58.80 ±12.18	57.59 ±6.88	54.61 ±5.95	57.96 ±9.24	59.82 ±10.54

*평균±표준편차

표 198 도체등급에 따른 한우 수소 냉도체의 2차 부산물 생산량(단위: kg)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
사골	19.86 ±2.80	20.15 ±3.04	20.44 ±2.82	18.93 ±3.51	16.14 ±0.30
꼬리반골	11.70 ±2.02	11.60 ±2.10	11.82 ±2.01	10.76 ±2.34	9.63 ±0.91
도가니	1.95 ±0.39	1.91 ±0.33	1.96 ±0.32	1.76 ±0.37	1.42 ±0.04
마구리	8.99 ±0.99	9.41 ±1.86	9.45 ±1.81	8.53 ±1.32	9.77 ±0.80
잡뼈	23.21 ±5.87	22.14 ±4.26	22.56 ±4.20	21.83 ±6.55	17.67 ±0.31
갈비뼈	8.04 ±1.40	8.51 ±1.60	8.57 ±1.51	7.96 ±1.91	6.73 ±0.38
뼈 소계	73.75 ±12.75	73.71 ±12.50	74.80 ±11.90	69.78 ±15.68	61.35 ±0.54

*평균±표준편차

표 199 도체등급에 따른 한우 거세우 냉도체의 2차 부산물 생산량(단위: kg)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
사골	20.49 ±2.73	19.77 ±2.17	18.72 ±2.47	19.97 ±2.66	18.63 ±2.89	19.89 ±2.64	19.50 ±2.14
꼬리반골	11.37 ±1.83	10.92 ±1.24	10.33 ±1.34	11.29 ±1.74	10.34 ±1.76	10.84 ±1.50	10.97 ±1.34
도가니	2.40 ±0.40	2.09 ±0.30	1.98 ±0.35	2.03 ±0.23	1.86 ±0.37	2.14 ±0.38	2.14 ±0.29
마구리	9.62 ±2.65	8.61 ±1.76	8.44 ±1.81	8.99 ±1.72	8.30 ±1.55	9.17 ±2.11	8.54 ±1.89
잡뼈	21.01 ±2.63	21.47 ±3.19	19.92 ±3.55	21.84 ±3.77	19.97 ±4.59	20.82 ±3.42	21.23 ±2.76
갈비뼈	8.69 ±1.09	8.71 ±1.14	7.99 ±1.15	8.83 ±1.31	7.97 ±1.44	8.51 ±1.20	8.58 ±1.08
뼈 소계	73.58 ±9.28	71.57 ±7.59	67.40 ±8.60	72.95 ±9.63	67.06 ±11.44	71.37 ±9.22	70.96 ±6.88

*평균±표준편차

3) 절식체중 대비 2차 부산물의 생산율

표 200 한우 절식체중 대비 냉도체 2차 부산물 생산율(단위: %)

구분	출하체중구간 (kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중 (kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중 (kg)	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
사골	3.34 ±0.42	2.87 ±0.32	2.83 ±0.43	2.65 ±0.36	2.56 ±0.37	2.49 ±0.29	2.54 ±0.29	2.57 ±0.30	2.68 ±0.22	2.62 ±0.27	2.65 ±0.18	2.62 ±0.35
꼬리반골	1.88 ±0.19	1.74 ±0.13	1.68 ±0.15	1.67 ±0.14	1.59 ±0.15	1.53 ±0.17	1.50 ±0.19	1.47 ±0.16	1.55 ±0.17	1.54 ±0.16	1.56 ±0.21	1.57 ±0.18
도가니	0.31 ±0.02	0.30 ±0.05	0.27 ±0.04	0.27 ±0.03	0.27 ±0.03	0.28 ±0.03	0.27 ±0.03	0.28 ±0.04	0.27 ±0.03	0.28 ±0.03	0.27 ±0.03	0.28 ±0.03
마구리	1.53 ±0.18	1.36 ±0.16	1.41 ±0.26	1.44 ±0.25	1.24 ±0.23	1.19 ±0.18	1.20 ±0.22	1.17 ±0.22	1.21 ±0.25	1.25 ±0.22	1.31 ±0.36	1.26 ±0.25
잡뼈	3.57 ±0.31	2.86 ±0.24	3.00 ±0.30	2.89 ±0.30	2.87 ±0.35	2.80 ±0.31	2.85 ±0.40	2.83 ±0.37	3.01 ±0.38	2.94 ±0.44	2.84 ±0.42	2.89 ±0.37
갈비뼈	1.40 ±0.11	1.22 ±0.13	1.18 ±0.11	1.18 ±0.14	1.13 ±0.14	1.11 ±0.12	1.12 ±0.14	1.11 ±0.11	1.16 ±0.10	1.18 ±0.14	1.18 ±0.09	1.15 ±0.13
뼈 소계	12.02 ±1.10	10.36 ±0.72	10.38 ±1.04	10.09 ±0.95	9.66 ±0.99	9.40 ±0.81	9.46 ±0.99	9.44 ±0.85	9.89 ±0.79	9.82 ±0.97	9.83 ±0.71	9.76 ±1.00

*평균±표준편차

표 201 한우 암소 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간 (kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중 (kg)	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
사골	2.79 ±0.28	2.55 ±0.28	2.47 ±0.26	2.32 ±0.17	2.31 ±0.18	2.26 ±0.21	2.32 ±0.25	2.67 ±0.27	2.41 ±0.26
꼬리반골	1.76 ±0.13	1.64 ±0.15	1.66 ±0.15	1.54 ±0.12	1.53 ±0.17	1.53 ±0.20	1.55 ±0.14	1.80 ±0.31	1.59 ±0.17
도가니	0.30 ±0.05	0.25 ±0.04	0.26 ±0.03	0.26 ±0.03	0.27 ±0.03	0.25 ±0.02	0.29 ±0.03	0.29 ±0.02	0.27 ±0.03
마구리	1.36 ±0.16	1.34 ±0.25	1.45 ±0.30	1.18 ±0.24	1.14 ±0.19	1.20 ±0.27	1.24 ±0.25	1.44 ±0.51	1.26 ±0.28
잡뼈	2.88 ±0.26	2.89 ±0.25	2.79 ±0.27	2.74 ±0.26	2.71 ±0.29	2.61 ±0.34	2.65 ±0.27	2.98 ±0.20	2.76 ±0.28
갈비뼈	1.19 ±0.10	1.16 ±0.10	1.13 ±0.12	1.06 ±0.09	1.05 ±0.10	1.05 ±0.14	1.07 ±0.13	1.26 ±0.08	1.10 ±0.12
뼈 소계	10.29 ±0.72	9.83 ±0.78	9.76 ±0.93	9.10 ±0.53	9.02 ±0.64	8.90 ±0.89	9.11 ±0.76	10.44 ±1.27	9.38 ±0.86

*평균±표준편차

표 202 한우 수소 절식체중 대비 냉도체 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중(kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중(kg)	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
사골	3.44 ±0.28	3.16 ±0.17	3.12 ±0.22	2.93 ±0.20	2.83 ±0.23	2.83 ±0.37	2.87 ±0.24	2.73 ±0.29	2.99 ±0.34
꼬리반골	1.85 ±0.14	1.74 ±0.08	1.76 ±0.14	1.70 ±0.10	1.69 ±0.20	1.63 ±0.19	1.74 ±0.13	1.66 ±0.12	1.72 ±0.15
도가니	0.30 ±0.02	0.29 ±0.02	0.30 ±0.02	0.28 ±0.03	0.28 ±0.03	0.27 ±0.03	0.27 ±0.02	0.27 ±0.04	0.28 ±0.03
마구리	1.60 ±0.25	1.40 ±0.10	1.37 ±0.13	1.34 ±0.08	1.34 ±0.10	1.31 ±0.17	1.39 ±0.16	1.29 ±0.21	1.38 ±0.18
잡뼈	3.54 ±0.28	3.23 ±0.23	3.29 ±0.38	3.15 ±0.21	3.26 ±0.40	3.16 ±0.46	3.39 ±0.13	3.37 ±0.15	3.31 ±0.32
갈비뼈	1.37 ±0.10	1.31 ±0.10	1.28 ±0.15	1.18 ±0.10	1.23 ±0.19	1.16 ±0.16	1.22 ±0.07	1.25 ±0.15	1.26 ±0.15
뼈 소계	12.11 ±0.84	11.14 ±0.36	11.13 ±0.79	10.59 ±0.64	10.62 ±1.02	10.36 ±1.23	10.88 ±0.49	10.57 ±0.72	10.94 ±0.95

*평균±표준편차

표 203 한우 거세우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중(kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중(kg)	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
사골	3.03 ±0.25	2.76 ±0.19	2.60 ±0.12	2.59 ±0.20	2.59 ±0.24	2.62 ±0.19	2.52 ±0.22	2.66 ±0.11	2.64 ±0.24
꼬리반골	1.66 ±0.13	1.58 ±0.12	1.42 ±0.07	1.40 ±0.10	1.41 ±0.12	1.47 ±0.09	1.45 ±0.13	1.50 ±0.12	1.46 ±0.13
도가니	0.29 ±0.03	0.29 ±0.03	0.28 ±0.03	0.28 ±0.04	0.29 ±0.04	0.27 ±0.03	0.28 ±0.04	0.27 ±0.02	0.28 ±0.04
마구리	1.38 ±0.06	1.30 ±0.20	1.19 ±0.17	1.13 ±0.21	1.11 ±0.20	1.13 ±0.20	1.21 ±0.24	1.38 ±0.33	1.18 ±0.22
잡뼈	2.86 ±0.13	2.87 ±0.23	2.77 ±0.28	2.83 ±0.29	2.81 ±0.32	2.89 ±0.36	2.66 ±0.34	2.69 ±0.43	2.81 ±0.31
갈비뼈	1.19 ±0.14	1.19 ±0.08	1.20 ±0.08	1.12 ±0.09	1.11 ±0.09	1.14 ±0.10	1.13 ±0.10	1.17 ±0.11	1.14 ±0.10
뼈 소계	10.41 ±0.46	10.00 ±0.52	9.47 ±0.30	9.34 ±0.60	9.31 ±0.59	9.53 ±0.49	9.25 ±0.67	9.68 ±0.36	9.52 ±0.62

*평균±표준편차

4) 냉도체중 대비 2차 부산물의 생산율

표 204 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)											
	450 이하	451 ~ 500	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	4	10	22	31	56	35	45	49	32	20	10	314
절식체중 (kg)	443.25 ±29.65	472.20 ±16.94	511.91 ±15.72	563.29 ±15.12	614.21 ±17.15	658.43 ±16.57	709.33 ±12.85	765.94 ±31.49	804.19 ±17.13	855.80 ±12.96	913.90 ±39.25	681.62 ±115.46
냉도체중 (kg)	266.05 ±21.47	282.20 ±20.36	304.40 ±16.95	338.98 ±15.43	372.58 ±20.16	402.95 ±19.10	433.96 ±16.94	476.21 ±17.45	501.60 ±19.08	541.56 ±18.95	562.89 ±31.55	418.41 ±78.26
사골	5.57 ±0.69	4.81 ±0.49	4.77 ±0.76	4.42 ±0.65	4.23 ±0.64	4.08 ±0.48	4.15 ±0.46	4.13 ±0.46	4.30 ±0.41	4.14 ±0.51	4.31 ±0.33	4.29 ±0.60
꼬리반골	3.13 ±0.32	2.93 ±0.28	2.83 ±0.29	2.78 ±0.28	2.62 ±0.26	2.50 ±0.26	2.45 ±0.32	2.37 ±0.27	2.49 ±0.31	2.45 ±0.29	2.55 ±0.39	2.57 ±0.33
도가니	0.51 ±0.04	0.51 ±0.06	0.46 ±0.06	0.44 ±0.05	0.45 ±0.05	0.45 ±0.04	0.44 ±0.05	0.46 ±0.06	0.44 ±0.04	0.45 ±0.05	0.45 ±0.05	0.45 ±0.05
마구리	2.55 ±0.25	2.28 ±0.29	2.37 ±0.47	2.39 ±0.44	2.04 ±0.38	1.94 ±0.29	1.96 ±0.38	1.88 ±0.36	1.95 ±0.41	1.99 ±0.38	2.14 ±0.59	2.06 ±0.43
잡뼈	5.95 ±0.53	4.80 ±0.46	5.06 ±0.61	4.81 ±0.54	4.75 ±0.64	4.59 ±0.57	4.66 ±0.65	4.56 ±0.62	4.84 ±0.71	4.66 ±0.78	4.62 ±0.70	4.74 ±0.66
갈비뼈	2.33 ±0.16	2.05 ±0.26	2.00 ±0.23	1.96 ±0.25	1.86 ±0.23	1.82 ±0.20	1.83 ±0.23	1.79 ±0.18	1.87 ±0.18	1.87 ±0.24	1.92 ±0.16	1.88 ±0.23
뼈 소계	20.04 ±1.76	17.38 ±1.35	17.50 ±2.00	16.80 ±1.80	15.95 ±1.75	15.38 ±1.35	15.47 ±1.63	15.18 ±1.38	15.88 ±1.55	15.55 ±1.83	15.97 ±1.33	15.97 ±1.84

*평균±표준편차

표 205 한우 암소 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 이상	전체
조사두수	9	13	21	35	20	14	10	4	126
절식체중 (kg)	462.44 ±20.94	509.77 ±15.43	563.38 ±13.58	613.71 ±17.71	657.20 ±17.02	707.07 ±13.06	765.00 ±15.01	877.75 ±31.82	621.46 ±93.51
냉도체중 (kg)	275.20 ±22.41	303.65 ±19.13	339.20 ±14.95	369.17 ±20.44	399.34 ±20.83	424.81 ±14.57	475.01 ±17.16	531.33 ±18.40	375.22 ±61.32
사골	4.70 ±0.45	4.28 ±0.47	4.12 ±0.52	3.87 ±0.39	3.81 ±0.35	3.77 ±0.38	3.73 ±0.39	4.42 ±0.48	4.00 ±0.49
꼬리반골	2.97 ±0.29	2.75 ±0.29	2.76 ±0.31	2.56 ±0.21	2.52 ±0.25	2.55 ±0.35	2.49 ±0.22	2.98 ±0.51	2.64 ±0.31
도가니	0.51 ±0.06	0.42 ±0.05	0.43 ±0.04	0.43 ±0.04	0.45 ±0.04	0.42 ±0.03	0.46 ±0.05	0.47 ±0.03	0.44 ±0.05
마구리	2.30 ±0.29	2.26 ±0.47	2.42 ±0.53	1.96 ±0.41	1.87 ±0.29	2.00 ±0.47	1.99 ±0.40	2.38 ±0.83	2.10 ±0.47
잡뼈	4.85 ±0.50	4.87 ±0.55	4.64 ±0.53	4.57 ±0.53	4.48 ±0.56	4.34 ±0.61	4.27 ±0.45	4.92 ±0.23	4.58 ±0.55
갈비뼈	2.01 ±0.25	1.96 ±0.23	1.88 ±0.24	1.77 ±0.18	1.74 ±0.18	1.75 ±0.25	1.73 ±0.22	2.08 ±0.13	1.82 ±0.23
뼈 소계	17.34 ±1.42	16.55 ±1.62	16.25 ±1.87	15.16 ±1.19	14.86 ±1.14	14.83 ±1.64	14.67 ±1.20	17.24 ±2.09	15.59 ±1.66

*평균±표준편차

표 206 한우 수소 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	9	6	11	6	9	8	7	9	65
절식체중(kg)	483.22 ±43.67	556.67 ±7.58	610.91 ±18.21	650.33 ±9.83	701.56 ±10.10	793.38 ±68.66	792.29 ±10.00	876.11 ±53.53	683.12 ±131.99
냉도체중(kg)	284.13 ±23.71	335.62 ±11.39	368.25 ±17.49	399.17 ±13.72	433.03 ±16.24	474.10 ±6.10	487.79 ±13.76	546.24 ±33.97	415.96 ±84.99
사골	5.85 ±0.48	5.24 ±0.34	5.19 ±0.43	4.78 ±0.37	4.59 ±0.36	4.70 ±0.44	4.66 ±0.48	4.39 ±0.48	4.94 ±0.62
꼬리반골	3.15 ±0.20	2.88 ±0.18	2.92 ±0.25	2.77 ±0.16	2.73 ±0.28	2.71 ±0.26	2.84 ±0.28	2.66 ±0.20	2.84 ±0.27
도가니	0.51 ±0.04	0.49 ±0.03	0.50 ±0.03	0.46 ±0.05	0.45 ±0.04	0.45 ±0.03	0.44 ±0.02	0.44 ±0.05	0.47 ±0.05
마구리	2.72 ±0.41	2.32 ±0.16	2.28 ±0.24	2.19 ±0.17	2.17 ±0.17	2.19 ±0.35	2.26 ±0.32	2.07 ±0.35	2.28 ±0.34
잡뼈	6.01 ±0.46	5.36 ±0.29	5.47 ±0.66	5.14 ±0.40	5.28 ±0.58	5.25 ±0.53	5.51 ±0.29	5.41 ±0.33	5.44 ±0.52
갈비뼈	2.33 ±0.14	2.18 ±0.15	2.13 ±0.24	1.93 ±0.19	1.99 ±0.29	1.93 ±0.20	1.98 ±0.08	2.00 ±0.25	2.07 ±0.24
뼈 소계	20.57 ±1.29	18.48 ±0.62	18.48 ±1.48	17.27 ±1.20	17.20 ±1.46	17.23 ±1.48	17.69 ±1.19	16.96 ±1.28	18.03 ±1.70

*평균±표준편차

표 207 한우 거세우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 950	951 이상	전체
조사두수	9	10	9	22	31	24	12	6	123
절식체중(kg)	537.78 ±40.86	619.60 ±14.03	666.56 ±17.04	713.95 ±12.24	759.16 ±13.06	806.38 ±16.74	853.83 ±12.97	908.00 ±16.71	742.46 ±92.91
냉도체중(kg)	324.51 ±26.30	389.31 ±13.64	413.52 ±15.25	440.17 ±16.51	477.14 ±19.69	505.03 ±19.02	545.58 ±22.08	564.63 ±16.54	463.95 ±63.64
사골	5.02 ±0.42	4.40 ±0.31	4.20 ±0.22	4.20 ±0.35	4.12 ±0.34	4.19 ±0.34	3.96 ±0.43	4.29 ±0.19	4.23 ±0.41
꼬리반골	2.76 ±0.24	2.52 ±0.20	2.29 ±0.11	2.27 ±0.20	2.24 ±0.18	2.35 ±0.17	2.28 ±0.23	2.41 ±0.18	2.34 ±0.23
도가니	0.48 ±0.06	0.47 ±0.04	0.46 ±0.04	0.45 ±0.05	0.46 ±0.06	0.44 ±0.05	0.45 ±0.05	0.44 ±0.05	0.45 ±0.05
마구리	2.29 ±0.12	2.07 ±0.33	1.92 ±0.27	1.84 ±0.34	1.76 ±0.29	1.81 ±0.31	1.89 ±0.40	2.22 ±0.52	1.90 ±0.35
잡뼈	4.74 ±0.20	4.56 ±0.38	4.48 ±0.49	4.60 ±0.55	4.48 ±0.57	4.63 ±0.69	4.17 ±0.58	4.34 ±0.75	4.52 ±0.57
갈비뼈	1.97 ±0.24	1.90 ±0.13	1.94 ±0.16	1.81 ±0.17	1.77 ±0.15	1.82 ±0.17	1.76 ±0.16	1.88 ±0.15	1.83 ±0.17
뼈 소계	17.27 ±0.87	15.92 ±0.86	15.28 ±0.65	15.18 ±1.19	14.82 ±0.89	15.24 ±1.07	14.51 ±1.35	15.58 ±0.59	15.27 ±1.18

*평균±표준편차

5) 도체등급에 따른 절식체중 대비 2차 부산물 생산율

표 208 육질 1⁺⁺등급 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중 (kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중 (kg)	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
사골	2.47 ±0.26	2.49 ±0.26	2.64 ±0.17	2.48 ±0.06	2.65 ±0.23	2.54 ±0.22
꼬리반골	1.44 ±0.17	1.41 ±0.13	1.49 ±0.14	1.35 ±0.04	1.56 ±0.12	1.44 ±0.14
도가니	0.29 ±0.03	0.31 ±0.05	0.31 ±0.03	0.31 ±0.04	0.28 ±0.04	0.30 ±0.04
마구리	1.17 ±0.28	1.24 ±0.16	1.06 ±0.27	1.13 ±0.18	1.38 ±0.48	1.19 ±0.26
잡뼈	2.67 ±0.20	2.59 ±0.25	2.77 ±0.24	2.55 ±0.46	2.69 ±0.26	2.65 ±0.26
갈비뼈	1.07 ±0.08	1.09 ±0.10	1.13 ±0.01	1.07 ±0.02	1.16 ±0.08	1.10 ±0.08
뼈 소계	9.10 ±0.59	9.14 ±0.52	9.41 ±0.45	8.90 ±0.37	9.72 ±0.52	9.23 ±0.53

*평균±표준편차

표 209 육질 1⁺등급 한우 절식체중 대비 2차 부산물 생산율

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중 (kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중 (kg)	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
사골	2.64 ±0.36	2.46 ±0.32	2.42 ±0.31	2.56 ±0.37	2.60 ±0.22	2.61 ±0.14	2.49 ±0.23	2.54 ±0.27
꼬리반골	1.62 ±0.04	1.55 ±0.07	1.42 ±0.10	1.47 ±0.14	1.43 ±0.12	1.46 ±0.08	1.44 ±0.11	1.47 ±0.11
도가니	0.29 ±0.04	0.28 ±0.02	0.26 ±0.02	0.27 ±0.03	0.29 ±0.04	0.26 ±0.02	0.28 ±0.03	0.28 ±0.03
마구리	1.34 ±0.03	1.09 ±0.20	1.13 ±0.22	1.26 ±0.19	1.10 ±0.22	1.16 ±0.22	1.11 ±0.23	1.15 ±0.21
잡뼈	2.69 ±0.15	2.86 ±0.25	2.73 ±0.33	2.63 ±0.23	2.85 ±0.35	2.91 ±0.41	2.73 ±0.15	2.80 ±0.31
갈비뼈	1.08 ±0.04	1.11 ±0.11	1.12 ±0.14	1.10 ±0.13	1.13 ±0.08	1.15 ±0.08	1.19 ±0.06	1.13 ±0.10
뼈 소계	9.66 ±0.53	9.35 ±0.57	9.09 ±0.78	9.29 ±0.87	9.41 ±0.57	9.53 ±0.47	9.24 ±0.42	9.37 ±0.59

*평균±표준편차

표 210 육질 1등급 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중(kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중(kg)	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
사골	2.98 ±0.44	2.65 ±0.28	2.35 ±0.19	2.49 ±0.16	2.41 ±0.27	2.53 ±0.30	2.61 ±0.20	2.52 ±0.12	3.02 ±4.21
꼬리반골	1.67 ±0.17	1.60 ±0.15	1.51 ±0.12	1.42 ±0.07	1.43 ±0.13	1.40 ±0.13	1.46 ±0.11	1.48 ±0.11	1.48 ±0.15
도가니	0.31 ±0.06	0.27 ±0.02	0.26 ±0.03	0.28 ±0.03	0.27 ±0.04	0.28 ±0.04	0.27 ±0.03	0.27 ±0.02	0.33 ±0.52
마구리	1.37 ±0.09	1.32 ±0.18	1.16 ±0.19	1.19 ±0.13	1.08 ±0.19	1.12 ±0.20	1.13 ±0.19	1.29 ±0.28	1.23 ±0.42
잡뼈	2.83 ±0.25	2.87 ±0.17	2.64 ±0.27	2.61 ±0.19	2.73 ±0.28	2.75 ±0.30	2.93 ±0.38	2.70 ±0.52	2.72 ±0.34
갈비뼈	1.15 ±0.15	1.19 ±0.15	1.08 ±0.11	1.12 ±0.13	1.05 ±0.09	1.06 ±0.11	1.13 ±0.13	1.12 ±0.11	1.12 ±0.21
뼈 소계	10.31 ±0.98	9.91 ±0.62	9.00 ±0.59	9.11 ±0.38	8.97 ±0.67	9.14 ±0.61	9.53 ±0.52	9.39 ±0.32	9.24 ±0.99

*평균±표준편차

표 211 육질 2등급 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중(kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중(kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
사골	2.69 ±0.30	2.40 ±0.31	2.55 ±0.36	2.42 ±0.33	2.47 ±0.20	2.41 ±0.33	2.68 ±0.26	2.70 ±0.27	2.52 ±0.31
꼬리반골	1.69 ±0.17	1.61 ±0.15	1.56 ±0.14	1.61 ±0.17	1.43 ±0.13	1.58 ±0.16	1.68 ±0.22	1.67 ±0.23	1.59 ±0.18
도가니	0.27 ±0.04	0.25 ±0.02	0.27 ±0.04	0.27 ±0.03	0.26 ±0.03	0.27 ±0.02	0.27 ±0.01	0.27 ±0.04	0.27 ±0.03
마구리	1.25 ±0.18	1.38 ±0.20	1.25 ±0.23	1.20 ±0.22	1.16 ±0.17	1.15 ±0.28	1.34 ±0.33	1.31 ±0.32	1.25 ±0.23
잡뼈	2.96 ±0.20	2.68 ±0.29	2.90 ±0.38	2.81 ±0.32	2.79 ±0.41	2.90 ±0.39	3.06 ±0.44	3.06 ±0.37	2.87 ±0.36
갈비뼈	1.19 ±0.09	1.11 ±0.13	1.10 ±0.15	1.06 ±0.08	1.11 ±0.12	1.11 ±0.10	1.18 ±0.13	1.18 ±0.15	1.12 ±0.12
뼈 소계	10.05 ±0.69	9.42 ±0.92	9.63 ±1.05	9.37 ±0.87	9.22 ±0.67	9.42 ±0.98	10.21 ±0.93	10.18 ±0.96	9.62 ±0.91

*평균±표준편차

표 212 육질 3등급 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중 (kg)	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
사골	3.16 ±0.52	2.94 ±0.45	2.85 ±0.35	2.75 ±0.43	2.58 ±0.31	2.80 ±0.26	2.83 ±0.40	2.92 ±0.24	2.86 ±0.25	2.83 ±0.39
꼬리반골	1.85 ±0.15	1.74 ±0.14	1.75 ±0.10	1.69 ±0.16	1.61 ±0.18	1.73 ±0.20	1.63 ±0.20	1.72 ±0.15	1.72 ±0.06	1.71 ±0.16
도가니	0.30 ±0.03	0.27 ±0.03	0.27 ±0.03	0.28 ±0.03	0.28 ±0.03	0.27 ±0.03	0.27 ±0.03	0.27 ±0.02	0.28 ±0.04	0.28 ±0.03
마구리	1.51 ±0.22	1.53 ±0.31	1.55 ±0.29	1.35 ±0.22	1.18 ±0.19	1.41 ±0.18	1.35 ±0.13	1.44 ±0.16	1.40 ±0.14	1.41 ±0.24
잡뼈	3.29 ±0.53	3.16 ±0.31	3.07 ±0.27	3.03 ±0.37	2.99 ±0.27	3.23 ±0.43	3.10 ±0.47	3.32 ±0.06	3.41 ±0.07	3.14 ±0.36
갈비뼈	1.36 ±0.14	1.23 ±0.11	1.24 ±0.12	1.19 ±0.15	1.14 ±0.11	1.25 ±0.17	1.17 ±0.17	1.24 ±0.07	1.31 ±0.13	1.23 ±0.14
뼈 소계	11.46 ±1.41	10.87 ±1.10	10.73 ±0.78	10.29 ±1.04	9.79 ±0.89	10.69 ±0.90	10.35 ±1.33	10.90 ±0.56	10.98 ±0.47	10.61 ±1.05

*평균±표준편차

6) 도체등급에 따른 냉도체중 대비 2차 부산물 생산율

표 213 육질 1⁺⁺등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)					
	750 이하	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	5	7	4	3	3	22
절식체중(kg)	684.20 ±33.67	768.86 ±8.63	810.25 ±16.88	863.67 ±7.77	911.00 ±29.00	789.45 ±78.25
냉도체중(kg)	426.36 ±25.44	484.21 ±18.94	515.83 ±16.50	554.83 ±34.84	570.10 ±21.50	498.15 ±54.54
사골	3.97 ±0.44	3.96 ±0.33	4.15 ±0.31	3.88 ±0.23	4.23 ±0.40	4.02 ±0.34
꼬리반골	2.31 ±0.29	2.24 ±0.17	2.35 ±0.25	2.10 ±0.13	2.50 ±0.15	2.29 ±0.22
도가니	0.46 ±0.04	0.50 ±0.08	0.49 ±0.04	0.48 ±0.07	0.45 ±0.07	0.48 ±0.06
마구리	1.87 ±0.46	1.97 ±0.21	1.66 ±0.43	1.77 ±0.34	2.20 ±0.77	1.90 ±0.42
잡뼈	4.28 ±0.25	4.13 ±0.48	4.37 ±0.49	3.98 ±0.75	4.30 ±0.44	4.21 ±0.45
갈비뼈	1.71 ±0.12	1.73 ±0.18	1.78 ±0.04	1.67 ±0.10	1.85 ±0.09	1.74 ±0.13
뼈 소계	14.61 ±0.96	14.52 ±0.69	14.81 ±1.04	13.89 ±1.05	15.53 ±0.81	14.64 ±0.92

*평균±표준편차

표 214 육질 1⁺등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)							
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	4	10	7	6	16	9	6	58
절식체중(kg)	512.50 ±50.04	616.60 ±18.57	663.14 ±14.74	711.50 ±13.16	757.69 ±14.19	812.67 ±13.12	856.83 ±27.55	719.05 ±96.92
냉도체중(kg)	321.55 ±26.87	381.66 ±21.73	407.94 ±12.84	438.75 ±21.45	477.26 ±21.11	508.36 ±13.76	554.45 ±18.61	450.50 ±66.68
사골	4.22 ±0.77	3.97 ±0.48	3.93 ±0.52	4.14 ±0.52	4.13 ±0.29	4.17 ±0.26	3.84 ±0.39	4.06 ±0.42
꼬리반골	2.58 ±0.19	2.50 ±0.11	2.31 ±0.15	2.39 ±0.24	2.28 ±0.17	2.33 ±0.14	2.22 ±0.12	2.35 ±0.19
도가니	0.46 ±0.08	0.45 ±0.03	0.43 ±0.04	0.44 ±0.03	0.46 ±0.06	0.41 ±0.03	0.44 ±0.04	0.44 ±0.05
마구리	2.13 ±0.11	1.76 ±0.32	1.84 ±0.36	2.04 ±0.28	1.74 ±0.31	1.85 ±0.32	1.72 ±0.36	1.83 ±0.32
잡뼈	4.30 ±0.39	4.63 ±0.45	4.44 ±0.54	4.28 ±0.40	4.54 ±0.63	4.66 ±0.74	4.23 ±0.28	4.49 ±0.55
갈비뼈	1.73 ±0.09	1.80 ±0.19	1.82 ±0.22	1.79 ±0.20	1.80 ±0.12	1.84 ±0.17	1.84 ±0.10	1.81 ±0.16
뼈 소계	15.42 ±1.55	15.12 ±0.90	14.78 ±1.26	15.06 ±1.27	14.94 ±0.84	15.26 ±0.99	14.29 ±0.76	14.98 ±1.01

*평균±표준편차

표 215 육질 1등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	7	12	8	14	12	8	6	74
절식체중 (kg)	509.86 ±28.67	571.71 ±22.45	619.75 ±15.18	662.88 ±24.16	713.57 ±13.66	755.58 ±11.08	800.50 ±15.00	875.83 ±19.73	689.55 ±103.13
냉도체중 (kg)	312.94 ±19.98	343.64 ±20.25	380.59 ±16.70	410.90 ±27.57	437.78 ±15.27	470.90 ±16.43	498.78 ±22.86	534.08 ±13.58	424.66 ±66.81
사골	4.86 ±0.72	4.423 ±0.52	3.82 ±0.30	4.02 ±0.28	3.93 ±0.43	4.05 ±0.46	4.19 ±0.37	4.14 ±0.20	4.93 ±6.98
꼬리반골	2.72 ±0.26	2.67 ±0.29	2.46 ±0.18	2.29 ±0.08	2.33 ±0.21	2.25 ±0.22	2.35 ±0.20	2.42 ±0.24	2.41 ±0.26
도가니	0.50 ±0.09	0.45 ±0.04	0.41 ±0.04	0.45 ±0.04	0.44 ±0.06	0.45 ±0.05	0.43 ±0.05	0.44 ±0.03	0.55 ±0.87
마구리	2.24 ±0.18	2.20 ±0.32	1.90 ±0.31	1.93 ±0.20	1.76 ±0.32	1.80 ±0.33	1.81 ±0.28	2.11 ±0.43	2.00 ±0.70
잡뼈	4.62 ±0.41	4.78 ±0.25	4.30 ±0.46	4.21 ±0.38	4.46 ±0.47	4.42 ±0.49	4.72 ±0.75	4.44 ±0.90	4.43 ±0.58
갈비뼈	1.87 ±0.25	1.98 ±0.27	1.76 ±0.16	1.81 ±0.21	1.71 ±0.14	1.70 ±0.19	1.82 ±0.22	1.84 ±0.19	1.82 ±0.36
뼈 소계	16.81 ±1.61	16.51 ±1.22	14.66 ±0.90	14.72 ±0.69	14.63 ±1.12	14.67 ±1.00	15.32 ±1.20	15.40 ±0.78	15.04 ±1.67

*평균±표준편차

표 216 육질 2등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	550 이하	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	8	10	15	8	12	7	5	6	71
절식체중 (kg)	485.88 ±29.43	563.40 ±11.20	605.07 ±17.06	651.75 ±11.56	710.83 ±11.14	770.14 ±15.13	805.00 ±26.76	897.50 ±63.70	663.97 ±118.21
냉도체중 (kg)	287.68 ±26.70	340.77 ±14.26	360.27 ±20.78	397.41 ±15.58	428.06 ±15.45	478.11 ±16.90	495.62 ±24.28	557.47 ±38.26	402.80 ±78.78
사골	4.55 ±0.44	3.99 ±0.59	4.29 ±0.65	3.98 ±0.58	4.11 ±0.34	3.87 ±0.52	4.35 ±0.44	4.35 ±0.54	4.18 ±0.55
꼬리반골	2.87 ±0.33	2.66 ±0.32	2.63 ±0.25	2.63 ±0.27	2.39 ±0.27	2.55 ±0.25	2.73 ±0.38	2.70 ±0.42	2.62 ±0.32
도가니	0.45 ±0.06	0.41 ±0.04	0.45 ±0.05	0.44 ±0.05	0.43 ±0.04	0.44 ±0.04	0.45 ±0.02	0.43 ±0.06	0.44 ±0.05
마구리	2.12 ±0.30	2.29 ±0.34	2.09 ±0.38	1.97 ±0.35	1.93 ±0.29	1.85 ±0.43	2.18 ±0.53	2.12 ±0.55	2.07 ±0.39
잡뼈	5.01 ±0.39	4.44 ±0.57	4.88 ±0.72	4.62 ±0.57	4.64 ±0.74	4.67 ±0.64	4.99 ±0.82	4.93 ±0.65	4.75 ±0.65
갈비뼈	2.02 ±0.20	1.83 ±0.25	1.86 ±0.25	1.74 ±0.15	1.85 ±0.21	1.79 ±0.18	1.92 ±0.22	1.90 ±0.29	1.86 ±0.22
뼈 소계	17.02 ±1.19	15.62 ±1.85	16.20 ±1.88	15.38 ±1.50	15.34 ±1.34	15.18 ±1.53	16.62 ±1.75	16.42 ±1.95	15.92 ±1.68

*평균±표준편차

표 217 육질 3등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	8	10	13	18	10	10	7	5	6	87
절식체중 (kg)	455.88 ±32.99	511.90 ±15.15	557.00 ±10.11	615.56 ±15.77	655.10 ±15.09	701.20 ±11.29	795.43 ±73.90	791.00 ±11.94	858.33 ±12.42	635.90 ±117.90
냉도체중 (kg)	269.39 ±20.87	295.22 ±10.60	333.88 ±13.17	370.79 ±15.64	396.40 ±18.17	431.06 ±16.76	473.00 ±5.66	489.14 ±13.12	534.88 ±13.55	383.48 ±76.88
사골	5.34 ±0.85	5.10 ±0.74	4.76 ±0.63	4.58 ±0.72	4.26 ±0.46	4.55 ±0.39	4.72 ±0.47	4.73 ±0.56	4.60 ±0.45	4.72 ±0.66
꼬리반골	3.13 ±0.20	3.01 ±0.21	2.93 ±0.20	2.81 ±0.26	2.65 ±0.23	2.82 ±0.33	2.72 ±0.28	2.79 ±0.33	2.76 ±0.14	2.85 ±0.27
도가니	0.51 ±0.04	0.47 ±0.05	0.46 ±0.05	0.47 ±0.05	0.47 ±0.04	0.45 ±0.04	0.45 ±0.03	0.43 ±0.03	0.45 ±0.05	0.46 ±0.05
마구리	2.55 ±0.36	2.65 ±0.53	2.59 ±0.51	2.24 ±0.36	1.95 ±0.27	2.31 ±0.35	2.26 ±0.31	2.34 ±0.34	2.25 ±0.25	2.35 ±0.43
잡뼈	5.56 ±0.85	5.49 ±0.50	5.13 ±0.46	5.03 ±0.62	4.96 ±0.50	5.25 ±0.65	5.17 ±0.53	5.37 ±0.20	5.48 ±0.23	5.22 ±0.57
갈비뼈	2.30 ±0.21	2.14 ±0.19	2.06 ±0.22	1.97 ±0.25	1.89 ±0.19	2.03 ±0.28	1.96 ±0.21	2.00 ±0.09	2.10 ±0.20	2.04 ±0.24
뼈 소계	19.39 ±2.22	18.84 ±1.75	17.93 ±1.49	17.10 ±1.73	16.18 ±1.28	17.40 ±1.39	17.29 ±1.59	17.66 ±1.45	17.63 ±0.99	17.65 ±1.77

*평균±표준편차

표 218 육량 A등급 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중 (kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중 (kg)	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
사골	2.97 ±0.33	3.05 ±0.44	2.82 ±0.37	2.92 ±0.33	2.67 ±0.32	2.75 ±0.33	2.79 ±0.34	2.81 ±0.25	2.79 ±0.27	2.84 ±0.34
꼬리반골	1.74 ±0.14	1.72 ±0.15	1.68 ±0.14	1.67 ±0.15	1.56 ±0.19	1.65 ±0.22	1.57 ±0.20	1.67 ±0.17	1.67 ±0.13	1.66 ±0.17
도가니	0.31 ±0.05	0.29 ±0.04	0.27 ±0.03	0.28 ±0.03	0.27 ±0.03	0.28 ±0.04	0.27 ±0.03	0.28 ±0.03	0.28 ±0.03	0.28 ±0.04
마구리	1.33 ±0.08	1.44 ±0.10	1.40 ±0.21	1.33 ±0.21	1.20 ±0.22	1.26 ±0.21	1.24 ±0.21	1.32 ±0.22	1.35 ±0.16	1.32 ±0.20
잡뼈	2.86 ±0.29	3.07 ±0.28	3.01 ±0.28	3.09 ±0.34	3.04 ±0.25	3.24 ±0.36	3.15 ±0.41	3.25 ±0.23	3.30 ±0.21	3.11 ±0.32
갈비뼈	1.22 ±0.16	1.20 ±0.09	1.21 ±0.14	1.21 ±0.15	1.17 ±0.09	1.23 ±0.16	1.15 ±0.15	1.19 ±0.07	1.25 ±0.15	1.20 ±0.13
뼈 소계	10.43 ±0.86	10.76 ±0.88	10.39 ±0.89	10.50 ±0.94	9.91 ±0.89	10.40 ±1.09	10.17 ±1.16	10.52 ±0.68	10.64 ±0.80	10.41 ±0.92

*평균±표준편차

표 219 육량 B등급 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중 (kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중 (kg)	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
사골	3.13 ±0.58	2.58 ±0.28	2.51 ±0.19	2.52 ±0.33	2.52 ±0.16	2.56 ±0.23	2.60 ±0.27	2.74 ±0.16	2.59 ±0.13	2.61 ±0.31
꼬리반골	1.87 ±0.13	1.61 ±0.11	1.69 ±0.13	1.57 ±0.14	1.53 ±0.20	1.51 ±0.17	1.44 ±0.17	1.51 ±0.09	1.49 ±0.13	1.56 ±0.18
도가니	0.31 ±0.03	0.25 ±0.03	0.27 ±0.02	0.27 ±0.03	0.27 ±0.02	0.27 ±0.03	0.29 ±0.05	0.27 ±0.03	0.28 ±0.04	0.28 ±0.04
마구리	1.52 ±0.23	1.27 ±0.28	1.52 ±0.32	1.17 ±0.26	1.18 ±0.19	1.22 ±0.21	1.18 ±0.18	1.19 ±0.18	1.33 ±0.26	1.26 ±0.26
잡뼈	3.35 ±0.51	2.86 ±0.24	2.79 ±0.25	2.94 ±0.34	2.89 ±0.29	2.80 ±0.29	2.78 ±0.34	3.04 ±0.47	2.68 ±0.43	2.88 ±0.37
갈비뼈	1.35 ±0.14	1.14 ±0.12	1.15 ±0.15	1.14 ±0.12	1.17 ±0.11	1.13 ±0.13	1.13 ±0.09	1.18 ±0.09	1.12 ±0.08	1.16 ±0.12
뼈 소계	11.52 ±1.47	9.71 ±0.66	9.93 ±0.85	9.61 ±0.90	9.56 ±0.52	9.48 ±0.76	9.43 ±0.68	9.93 ±0.66	9.49 ±0.50	9.74 ±0.92

*평균±표준편차

표 220 육량 C등급 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중 (kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중 (kg)	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
사골	2.55 ±0.48	2.33 ±0.22	2.33 ±0.23	2.37 ±0.23	2.44 ±0.26	2.56 ±0.17	2.46 ±0.21	2.67 ±0.26	2.43 ±0.26
꼬리반골	1.64 ±0.20	1.55 ±0.13	1.50 ±0.14	1.39 ±0.12	1.45 ±0.12	1.49 ±0.17	1.46 ±0.11	1.61 ±0.33	1.49 ±0.16
도가니	0.25 ±0.02	0.27 ±0.03	0.28 ±0.03	0.27 ±0.03	0.28 ±0.03	0.27 ±0.03	0.27 ±0.03	0.29 ±0.02	0.27 ±0.03
마구리	1.53 ±0.33	1.23 ±0.21	1.17 ±0.17	1.13 ±0.24	1.13 ±0.25	1.16 ±0.29	1.11 ±0.23	1.32 ±0.49	1.19 ±0.26
잡뼈	2.89 ±0.45	2.66 ±0.24	2.58 ±0.20	2.64 ±0.33	2.73 ±0.30	2.82 ±0.29	2.77 ±0.34	2.81 ±0.47	2.71 ±0.30
갈비뼈	1.15 ±0.12	1.06 ±0.10	1.04 ±0.10	1.03 ±0.09	1.08 ±0.11	1.13 ±0.12	1.14 ±0.11	1.24 ±0.08	1.08 ±0.11
뼈 소계	10.02 ±1.54	9.08 ±0.62	8.92 ±0.56	8.83 ±0.59	9.11 ±0.58	9.44 ±0.61	9.20 ±0.41	9.95 ±1.17	9.17 ±0.75

*평균±표준편차

표 221 육량 A등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	전체
조사두수	7	10	17	16	10	11	10	8	9	98
절식체중 (kg)	476.57 ±16.76	504.70 ±13.42	563.88 ±17.35	611.00 ±15.51	652.60 ±13.17	702.64 ±12.58	787.90 ±61.67	798.63 ±16.43	855.00 ±13.41	652.68 ±120.11
냉도체중 (kg)	289.01 ±12.77	300.07 ±9.57	337.61 ±17.09	365.62 ±17.84	394.20 ±18.28	430.08 ±17.44	472.57 ±8.56	489.86 ±17.25	532.77 ±12.80	395.16 ±77.09
사골	4.90 ±0.52	5.13 ±0.75	4.71 ±0.63	4.88 ±0.55	4.42 ±0.46	4.49 ±0.49	4.62 ±0.42	4.59 ±0.48	4.48 ±0.49	4.70 ±0.57
꼬리반골	2.86 ±0.21	2.89 ±0.23	2.82 ±0.28	2.79 ±0.24	2.58 ±0.26	2.69 ±0.31	2.61 ±0.31	2.72 ±0.33	2.68 ±0.22	2.74 ±0.28
도가니	0.51 ±0.07	0.49 ±0.06	0.45 ±0.05	0.46 ±0.05	0.44 ±0.04	0.45 ±0.05	0.45 ±0.03	0.45 ±0.04	0.44 ±0.05	0.46 ±0.05
마구리	2.20 ±0.13	2.42 ±0.21	2.35 ±0.36	2.23 ±0.34	1.98 ±0.32	2.05 ±0.32	2.06 ±0.41	2.16 ±0.39	2.17 ±0.28	2.19 ±0.34
잡뼈	4.71 ±0.46	5.16 ±0.49	5.02 ±0.45	5.17 ±0.59	5.04 ±0.43	5.29 ±0.51	5.21 ±0.48	5.30 ±0.46	5.29 ±0.40	5.14 ±0.49
갈비뼈	2.02 ±0.30	2.02 ±0.17	2.03 ±0.23	2.03 ±0.23	1.93 ±0.14	2.00 ±0.24	1.91 ±0.20	1.95 ±0.10	2.01 ±0.26	1.99 ±0.21
뼈 소계	17.20 ±1.38	18.11 ±1.53	17.38 ±1.58	17.55 ±1.52	16.40 ±1.23	16.97 ±1.51	16.87 ±1.51	17.18 ±1.39	17.09 ±1.46	17.23 ±1.48

*평균±표준편차

표 222 육량 B등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)									
	500 이하	501 ~ 550	551 ~ 600	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 이상	전체
조사두수	7	9	10	18	8	17	18	8	9	104
절식체중 (kg)	441.29 ±21.94	521.89 ±15.27	559.00 ±11.97	614.83 ±18.32	660.38 ±18.00	710.94 ±8.53	757.78 ±11.11	807.13 ±17.34	903.78 ±49.92	673.49 ±124.24
냉도체중 (kg)	258.71 ±19.93	307.42 ±22.64	335.00 ±10.31	373.29 ±20.95	400.19 ±14.52	431.18 ±13.11	473.14 ±18.01	501.84 ±15.44	562.77 ±38.45	411.29 ±84.25
사골	5.34 ±0.94	4.38 ±0.45	4.20 ±0.39	4.16 ±0.55	4.16 ±0.28	4.22 ±0.38	4.17 ±0.38	4.41 ±0.34	4.17 ±0.27	4.29 ±0.53
꼬리반골	3.20 ±0.26	2.74 ±0.24	2.83 ±0.25	2.59 ±0.26	2.53 ±0.33	2.49 ±0.30	2.30 ±0.27	2.43 ±0.17	2.39 ±0.26	2.57 ±0.35
도가니	0.52 ±0.03	0.43 ±0.04	0.45 ±0.04	0.45 ±0.05	0.45 ±0.03	0.44 ±0.04	0.47 ±0.07	0.44 ±0.04	0.45 ±0.06	0.45 ±0.05
마구리	2.59 ±0.37	2.17 ±0.51	2.53 ±0.56	1.93 ±0.43	1.94 ±0.32	2.01 ±0.37	1.88 ±0.27	1.92 ±0.28	2.13 ±0.42	2.07 ±0.45
잡뼈	5.71 ±0.83	4.88 ±0.60	4.66 ±0.49	4.85 ±0.61	4.77 ±0.50	4.62 ±0.52	4.47 ±0.58	4.91 ±0.84	4.32 ±0.77	4.74 ±0.68
갈비뼈	2.30 ±0.21	1.95 ±0.27	1.93 ±0.28	1.88 ±0.21	1.93 ±0.18	1.86 ±0.22	1.81 ±0.15	1.90 ±0.17	1.80 ±0.14	1.90 ±0.23
뼈 소계	19.66 ±2.36	16.54 ±1.54	16.60 ±1.66	15.86 ±1.59	15.78 ±0.94	15.65 ±1.39	15.10 ±1.03	16.00 ±1.34	15.27 ±1.15	16.03 ±1.77

*평균±표준편차

표 223 육량 C등급 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	출하체중구간(kg)								
	600 이하	601 ~ 650	651 ~ 700	701 ~ 750	751 ~ 800	801 ~ 850	851 ~ 900	901 이상	전체
조사두수	7	22	16	17	21	15	8	4	110
절식체중(kg)	543.43 ±36.12	616.05 ±17.74	660.38 ±18.14	712.06 ±15.53	762.48 ±15.81	806.20 ±18.21	854.63 ±14.00	897.25 ±12.42	714.17 ±94.09
냉도체중(kg)	335.44 ±27.54	377.07 ±20.56	409.51 ±20.62	439.26 ±19.45	480.58 ±19.67	507.93 ±20.39	548.75 ±14.28	552.58 ±6.45	445.22 ±65.36
사골	4.17 ±0.96	3.80 ±0.34	3.77 ±0.36	3.85 ±0.33	3.87 ±0.35	4.07 ±0.28	3.83 ±0.34	4.35 ±0.50	3.90 ±0.42
꼬리반골	2.68 ±0.44	2.53 ±0.22	2.42 ±0.20	2.26 ±0.24	2.30 ±0.19	2.37 ±0.29	2.27 ±0.16	2.62 ±0.59	2.40 ±0.28
도가니	0.41 ±0.05	0.44 ±0.05	0.46 ±0.05	0.43 ±0.05	0.45 ±0.05	0.43 ±0.05	0.43 ±0.05	0.47 ±0.03	0.44 ±0.05
마구리	2.50 ±0.62	2.01 ±0.33	1.89 ±0.26	1.85 ±0.41	1.78 ±0.38	1.85 ±0.46	1.73 ±0.37	2.14 ±0.82	1.92 ±0.44
잡뼈	4.72 ±0.93	4.35 ±0.47	4.17 ±0.35	4.27 ±0.54	4.34 ±0.51	4.49 ±0.58	4.31 ±0.60	4.57 ±0.79	4.36 ±0.55
갈비뼈	1.87 ±0.28	1.73 ±0.16	1.68 ±0.15	1.68 ±0.12	1.71 ±0.17	1.80 ±0.20	1.78 ±0.17	2.02 ±0.16	1.74 ±0.18
뼈 소계	16.34 ±3.21	14.86 ±1.06	14.39 ±0.80	14.33 ±0.97	14.45 ±0.82	15.00 ±1.19	14.34 ±0.80	16.17 ±2.19	14.76 ±1.35

*평균±표준편차

표 224 도체등급에 따른 한우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중 (kg)	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
사골	2.54 ±0.22	2.54 ±0.27	2.53 ±0.30	2.52 ±0.31	2.83 ±0.39	2.84 ±0.34	2.61 ±0.31	2.43 ±0.26
꼬리반골	1.44 ±0.14	1.47 ±0.11	1.48 ±0.15	1.59 ±0.18	1.71 ±0.16	1.66 ±0.17	1.56 ±0.18	1.49 ±0.16
도가니	0.30 ±0.04	0.28 ±0.03	0.27 ±0.04	0.27 ±0.03	0.28 ±0.03	0.28 ±0.04	0.28 ±0.04	0.27 ±0.03
마구리	1.19 ±0.26	1.15 ±0.21	1.18 ±0.20	1.25 ±0.23	1.41 ±0.24	1.32 ±0.20	1.26 ±0.26	1.19 ±0.26
잡뼈	2.65 ±0.26	2.80 ±0.31	2.75 ±0.30	2.87 ±0.36	3.14 ±0.36	3.11 ±0.32	2.88 ±0.37	2.71 ±0.30
갈비뼈	1.10 ±0.08	1.13 ±0.10	1.10 ±0.12	1.12 ±0.12	1.23 ±0.14	1.20 ±0.13	1.16 ±0.12	1.08 ±0.11
뼈 소계	9.23 ±0.53	9.37 ±0.59	9.33 ±0.73	9.62 ±0.91	10.61 ±1.05	10.41 ±0.92	9.74 ±0.92	9.17 ±0.75

*평균±표준편차

표 225 도체등급에 따른 한우 암소의 절식체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중 (kg)	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
사골	2.24 ±0.16	2.26 ±0.19	2.34 ±0.25	2.41 ±0.28	2.52 ±0.23	2.58 ±0.33	2.46 ±0.21	2.27 ±0.20
꼬리반골	1.53 ±0.11	1.52 ±0.11	1.51 ±0.14	1.60 ±0.19	1.68 ±0.16	1.62 ±0.19	1.63 ±0.16	1.54 ±0.16
도가니	0.30 ±0.00	0.27 ±0.04	0.27 ±0.04	0.26 ±0.03	0.27 ±0.03	0.26 ±0.05	0.26 ±0.03	0.27 ±0.03
마구리	1.12 ±0.26	1.14 ±0.22	1.17 ±0.19	1.26 ±0.26	1.41 ±0.32	1.29 ±0.28	1.27 ±0.30	1.25 ±0.26
잡뼈	2.63 ±0.30	2.65 ±0.22	2.63 ±0.27	2.77 ±0.30	2.88 ±0.25	2.90 ±0.24	2.86 ±0.25	2.60 ±0.26
갈비뼈	1.12 ±0.11	1.05 ±0.10	1.04 ±0.12	1.10 ±0.12	1.15 ±0.10	1.13 ±0.09	1.15 ±0.12	1.04 ±0.10
뼈 소계	8.94 ±0.20	8.88 ±0.51	8.97 ±0.73	9.40 ±0.91	9.91 ±0.76	9.79 ±0.91	9.62 ±0.77	8.96 ±0.75

*평균±표준편차

표 226 도체등급에 따른 한우 수소의 절식체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중 (kg)	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
사골	2.81 ±0.26	3.05 ±0.33	2.98 ±0.29	3.12 ±0.56	3.16 ±0.11
꼬리반골	1.64 ±0.12	1.74 ±0.16	1.71 ±0.14	1.76 ±0.25	1.89 ±0.15
도가니	0.27 ±0.03	0.29 ±0.03	0.29 ±0.03	0.29 ±0.04	0.28 ±0.00
마구리	1.28 ±0.16	1.41 ±0.17	1.37 ±0.13	1.41 ±0.26	1.91 ±0.19
잡뼈	3.23 ±0.39	3.32 ±0.31	3.26 ±0.29	3.51 ±0.47	3.46 ±0.01
갈비뼈	1.13 ±0.13	1.28 ±0.14	1.25 ±0.14	1.30 ±0.20	1.32 ±0.05
뼈 소계	10.37 ±0.79	11.08 ±0.95	10.86 ±0.79	11.39 ±1.68	12.02 ±0.08

*평균±표준편차

표 227 도체등급에 따른 한우 거세우 절식체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중 (kg)	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
사골	2.58 ±0.19	2.64 ±0.22	2.65 ±0.27	2.68 ±0.24	2.81 ±0.28	2.67 ±0.21	2.55 ±0.20
꼬리반골	1.43 ±0.14	1.45 ±0.11	1.46 ±0.15	1.51 ±0.13	1.56 ±0.16	1.45 ±0.12	1.43 ±0.12
도가니	0.30 ±0.04	0.28 ±0.03	0.28 ±0.03	0.27 ±0.03	0.28 ±0.03	0.29 ±0.04	0.28 ±0.03
마구리	1.21 ±0.27	1.15 ±0.21	1.20 ±0.21	1.21 ±0.21	1.26 ±0.20	1.23 ±0.21	1.12 ±0.22
잡뼈	2.66 ±0.26	2.86 ±0.31	2.80 ±0.29	2.92 ±0.36	2.96 ±0.23	2.80 ±0.35	2.78 ±0.28
갈비뼈	1.10 ±0.08	1.16 ±0.08	1.13 ±0.11	1.18 ±0.12	1.19 ±0.10	1.14 ±0.09	1.12 ±0.10
뼈 소계	9.27 ±0.55	9.53 ±0.53	9.53 ±0.66	9.77 ±0.74	10.06 ±0.59	9.57 ±0.60	9.27 ±0.50

*평균±표준편차

표 228 도체등급에 따른 한우 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	22	58	74	71	87	98	104	110
절식체중 (kg)	789.45 ±78.25	719.05 ±96.92	689.55 ±103.13	663.97 ±118.21	635.90 ±117.90	652.68 ±120.11	673.49 ±124.24	714.17 ±94.09
냉도체중 (kg)	498.15 ±54.54	450.50 ±66.68	424.66 ±66.81	402.80 ±78.78	383.48 ±76.88	395.16 ±77.09	411.29 ±84.25	445.22 ±65.36
사골	4.02 ±0.34	4.06 ±0.42	4.12 ±0.50	4.18 ±0.55	4.72 ±0.66	4.70 ±0.57	4.29 ±0.53	3.90 ±0.42
꼬리반골	2.29 ±0.22	2.35 ±0.19	2.41 ±0.25	2.62 ±0.32	2.85 ±0.27	2.74 ±0.28	2.57 ±0.35	2.40 ±0.28
도가니	0.48 ±0.06	0.44 ±0.05	0.44 ±0.06	0.44 ±0.05	0.46 ±0.05	0.46 ±0.05	0.45 ±0.05	0.44 ±0.05
마구리	1.90 ±0.42	1.83 ±0.32	1.93 ±0.34	2.07 ±0.39	2.35 ±0.43	2.19 ±0.34	2.07 ±0.45	1.92 ±0.44
잡뼈	4.21 ±0.45	4.49 ±0.55	4.47 ±0.53	4.75 ±0.65	5.22 ±0.57	5.14 ±0.49	4.74 ±0.68	4.36 ±0.55
갈비뼈	1.74 ±0.13	1.81 ±0.16	1.79 ±0.21	1.86 ±0.22	2.04 ±0.24	1.99 ±0.21	1.90 ±0.23	1.74 ±0.18
뼈 소계	14.64 ±0.92	14.98 ±1.01	15.17 ±1.29	15.92 ±1.68	17.65 ±1.77	17.23 ±1.48	16.03 ±1.77	14.76 ±1.35

*평균±표준편차

표 229 도체등급에 따른 한우 암소의 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급					육량등급		
	1++	1+	1	2	3	A	B	C
조사두수	3	15	27	46	35	26	47	53
절식체중 (kg)	770.33 ±108.64	624.27 ±74.62	646.04 ±87.32	625.30 ±103.90	583.49 ±71.43	561.69 ±74.05	603.94 ±92.76	666.32 ±81.61
냉도체중 (kg)	477.23 ±68.78	385.53 ±43.84	393.12 ±53.02	377.22 ±68.87	345.62 ±46.91	332.51 ±39.67	360.97 ±61.01	408.82 ±52.38
사골	3.62 ±0.26	3.66 ±0.29	3.85 ±0.41	4.02 ±0.52	4.27 ±0.45	4.34 ±0.51	4.14 ±0.43	3.71 ±0.36
꼬리반골	2.47 ±0.20	2.46 ±0.18	2.49 ±0.21	2.66 ±0.34	2.83 ±0.27	2.74 ±0.29	2.74 ±0.30	2.51 ±0.27
도가니	0.48 ±0.00	0.44 ±0.06	0.44 ±0.06	0.43 ±0.05	0.45 ±0.05	0.44 ±0.06	0.44 ±0.04	0.44 ±0.05
마구리	1.80 ±0.42	1.84 ±0.33	1.93 ±0.32	2.09 ±0.42	2.38 ±0.55	2.18 ±0.47	2.13 ±0.52	2.03 ±0.42
잡뼈	4.24 ±0.48	4.29 ±0.43	4.33 ±0.47	4.62 ±0.58	4.88 ±0.47	4.89 ±0.41	4.80 ±0.51	4.24 ±0.46
갈비뼈	1.80 ±0.16	1.70 ±0.17	1.71 ±0.20	1.83 ±0.23	1.95 ±0.21	1.91 ±0.17	1.93 ±0.24	1.69 ±0.17
뼈 소계	14.43 ±0.35	14.38 ±0.86	14.74 ±1.21	15.65 ±1.69	16.77 ±1.46	16.50 ±1.40	16.17 ±1.60	14.62 ±1.32

*평균±표준편차

표 230 도체등급에 따른 한우 수소의 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급		육량등급		
	2	3	A	B	C
조사두수	10	52	51	9	2
절식체중 (kg)	716.20 ±143.75	671.17 ±129.94	691.50 ±115.04	635.50 ±210.15	510.50 ±7.78
냉도체중 (kg)	433.25 ±98.13	408.96 ±82.79	421.55 ±73.94	385.05 ±134.22	298.55 ±0.49
사골	4.67 ±0.52	5.02 ±0.62	4.91 ±0.54	5.19 ±1.00	5.41 ±0.09
꼬리반골	2.73 ±0.24	2.86 ±0.28	2.82 ±0.23	2.91 ±0.43	3.23 ±0.31
도가니	0.45 ±0.05	0.47 ±0.04	0.47 ±0.04	0.48 ±0.08	0.47 ±0.01
마구리	2.13 ±0.32	2.33 ±0.33	2.25 ±0.25	2.35 ±0.46	3.27 ±0.26
잡뼈	5.36 ±0.62	5.46 ±0.52	5.36 ±0.46	5.82 ±0.82	5.92 ±0.11
갈비뼈	1.89 ±0.23	2.10 ±0.23	2.05 ±0.23	2.15 ±0.35	2.25 ±0.13
뼈 소계	17.23 ±1.55	18.24 ±1.72	17.85 ±1.38	18.90 ±2.98	20.55 ±0.21

*평균±표준편차

표 231 도체등급에 따른 한우 거세우의 냉도체중 대비 2차 부산물 생산율(단위: %)

구분	육질등급				육량등급		
	1++	1+	1	2	A	B	C
조사두수	19	43	46	15	20	49	54
절식체중 (kg)	792.47 ±75.90	752.12 ±81.03	711.07 ±102.34	747.73 ±86.62	670.05 ±123.07	746.41 ±89.62	765.70 ±67.99
냉도체중 (kg)	501.46 ±53.48	473.16 ±57.98	440.82 ±67.03	460.96 ±56.19	407.98 ±78.37	463.85 ±60.17	484.77 ±47.10
사골	4.09 ±0.31	4.20 ±0.37	4.29 ±0.48	4.35 ±0.40	4.63 ±0.50	4.30 ±0.34	4.03 ±0.31
꼬리반골	2.26 ±0.22	2.32 ±0.18	2.37 ±0.27	2.45 ±0.22	2.56 ±0.28	2.34 ±0.20	2.26 ±0.18
도가니	0.48 ±0.06	0.44 ±0.04	0.45 ±0.05	0.44 ±0.05	0.46 ±0.06	0.46 ±0.05	0.44 ±0.05
마구리	1.91 ±0.43	1.83 ±0.32	1.93 ±0.35	1.96 ±0.32	2.07 ±0.34	1.97 ±0.33	1.76 ±0.33
잡뼈	4.21 ±0.46	4.56 ±0.57	4.54 ±0.54	4.75 ±0.67	4.87 ±0.38	4.51 ±0.63	4.39 ±0.52
갈비뼈	1.73 ±0.13	1.84 ±0.14	1.83 ±0.20	1.92 ±0.20	1.96 ±0.17	1.84 ±0.16	1.77 ±0.16
뼈 소계	14.68 ±0.98	15.19 ±0.98	15.41 ±1.29	15.87 ±1.34	16.55 ±1.10	15.43 ±1.08	14.66 ±0.84

*평균±표준편차

육질특성

표 232 육질 등급에 따른 한우 소분할 부위(36개)의 수분 함량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	9	15	20	19	25
안심살	63.55±2.46	63.90±2.25	66.16±2.03	66.72±3.06	68.50±3.16
윗등심살	53.87±4.66	55.59±3.96	60.07±3.45	62.21±4.53	65.80±4.29
꽃등심살	56.09±2.43	60.12±2.91	62.03±2.62	63.18±4.90	67.78±3.28
아래등심살	56.03±2.58	60.83±2.37	62.97±2.42	65.66±2.94	68.74±2.73
살치살	50.25±4.98	51.57±3.43	55.34±5.95	58.76±5.63	61.42±4.39
채끝살	54.06±2.89	58.25±2.78	61.15±2.37	64.34±3.29	68.55±2.83
목심살	58.95±3.47	59.91±5.42	64.90±2.43	66.28±5.29	68.86±4.44
꾸리살	65.01±2.11	64.77±3.84	68.44±1.66	68.28±3.23	70.29±2.95
부채살	54.77±5.57	57.27±4.49	61.83±4.51	64.73±3.92	65.63±3.75
앞다리살	62.99±3.38	63.36±2.60	66.43±2.82	68.03±2.86	69.56±2.37
갈비덧살	60.30±3.44	61.99±3.64	65.18±3.37	66.09±4.81	70.45±3.30
부채덮개살	67.88±2.81	68.12±4.33	71.41±1.41	70.92±2.39	72.72±1.51
우둔살	62.77±2.40	63.79±3.00	66.60±2.49	67.41±3.18	69.99±2.22
홍두깨살	66.46±1.93	66.11±2.87	70.03±1.89	69.28±4.60	71.83±1.85
보섭살	65.05±2.97	65.91±2.21	67.41±1.70	68.48±2.88	69.47±2.19
설깃살	59.52±4.81	61.61±3.78	63.78±3.83	66.05±5.00	68.88±2.50
설깃머리살	59.31±4.59	60.77±2.54	63.47±2.18	64.92±3.69	67.97±2.46
도가니살	65.27±3.51	65.90±2.27	68.11±2.13	69.06±2.85	71.46±1.92
삼각살	58.12±3.55	59.05±4.06	62.15±5.22	65.23±3.91	68.72±3.58
양지머리	64.18±1.81	64.84±3.59	67.58±1.79	67.90±3.68	71.01±2.12
차돌박이	49.78±6.16	49.86±6.90	57.64±7.53	58.27±8.49	62.44±5.52
업진살	44.40±5.78	45.45±5.92	52.76±6.79	56.69±6.92	60.38±6.81
업진안살	56.27±3.38	55.98±4.42	60.88±3.95	63.78±3.44	66.88±3.47
치마양지	61.31±4.51	60.33±4.95	65.34±3.22	67.08±3.08	69.82±2.35
치마살	58.94±3.77	58.87±3.36	62.19±2.87	65.08±3.79	67.78±2.51
앞치마살	58.99±5.21	58.66±3.21	64.62±3.35	65.41±3.46	68.75±2.90
앞사태	70.09±2.50	71.30±1.85	72.52±1.91	71.98±3.94	72.99±2.03
뒷사태	67.67±2.66	67.72±3.34	70.05±2.45	69.21±2.42	71.45±1.59
뭉치사태	69.06±1.95	69.10±1.90	70.67±1.24	70.34±2.34	72.00±1.78
상박살	63.67±2.51	64.88±4.12	67.091±2.81	67.87±3.27	70.60±2.58
본갈비	48.69±3.66	50.00±3.37	55.02±5.32	57.05±5.09	61.87±5.56
꽃갈비	45.58±4.42	48.76±4.82	52.53±5.48	55.98±6.58	60.86±6.25
참갈비	47.26±2.42	49.52±5.09	54.36±3.25	56.74±4.48	60.37±5.39
토시살	57.96±3.38	58.09±2.22	61.31±2.86	63.24±3.39	64.20±4.59
안창살	53.46±2.68	53.02±3.67	57.33±3.84	59.47±4.53	61.79±4.90
제비추리	65.03±2.41	64.88±3.19	68.15±1.54	68.84±2.74	70.28±2.61

*평균±표준편차

표 233 육질 등급에 따른 한우 소분할 부위(36개)의 지방 함량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	9	15	20	19	25
안심살	13.70±3.03	13.84±2.62	11.26±2.64	9.87±3.44	7.79±3.18
윗등심살	25.19±6.69	24.23±5.57	18.55±4.25	15.29±5.55	11.23±4.93
꽃등심살	22.82±4.36	17.98±3.94	15.50±3.55	13.66±6.07	8.06±3.84
아래등심살	21.91±5.53	16.86±3.10	12.79±4.40	9.97±3.29	6.60±2.80
살치살	30.21±6.17	29.45±4.87	25.08±5.41	18.62±6.97	14.94±5.74
채끝살	23.88±5.25	19.28±4.01	15.14±3.08	10.76±4.18	6.51±2.86
목심살	17.86±5.48	17.77±6.76	11.53±3.01	9.52±5.57	7.10±5.31
꾸리살	10.45±2.87	12.24±5.17	7.54±2.28	7.14±2.94	5.39±2.40
부채살	24.12±7.04	21.58±5.32	15.78±5.48	11.73±5.03	11.22±5.03
앞다리살	11.57±2.86	12.34±3.17	9.27±3.49	6.59±2.81	5.25±2.17
갈비덧살	16.08±4.71	14.49±4.28	10.15±4.29	9.46±4.96	5.25±2.72
부채덮개살	8.98±3.78	9.44±4.66	5.82±1.59	4.82±2.28	3.52±1.44
우둔살	11.51±2.29	11.69±3.36	8.89±2.58	7.17±3.69	4.12±1.83
홍두깨살	8.86±1.98	10.73±3.99	5.90±2.34	6.53±4.83	3.46±1.53
보섭살	9.46±3.11	9.20±2.42	6.93±2.20	5.23±2.17	4.42±2.41
설깃살	16.04±6.24	13.32±4.50	11.01±4.74	8.04±6.12	5.34±2.23
설깃머리살	15.58±5.94	14.56±3.53	11.32±3.13	9.55±4.11	6.36±2.24
도가니살	10.50±2.85	11.07±2.56	7.65±3.05	5.84±2.28	4.11±1.78
삼각살	19.01±4.68	18.77±5.61	14.72±7.50	10.70±5.23	8.02±3.79
양지머리	12.05±3.22	11.67±4.37	8.18±2.46	7.21±3.83	4.27±1.78
차돌박이	32.19±9.86	32.61±10.85	22.18±10.59	20.89±11.05	15.04±6.99
업진살	40.01±9.16	39.88±9.50	28.31±9.24	22.54±9.76	18.45±0.79
업진안살	22.62±3.77	24.56±5.99	16.90±4.86	12.49±4.01	9.28±3.16
치마양지	15.73±5.87	17.90±6.22	11.74±4.32	8.69±3.66	6.34±2.07
치마살	18.28±4.24	18.87±4.01	14.40±3.83	10.99±3.78	8.71±2.41
앞치마살	19.01±7.26	20.45±4.79	13.09±4.09	11.71±3.64	8.09±3.76
앞사태	4.60±1.52	4.41±1.83	3.42±1.94	3.44±3.03	2.17±1.16
뒷사태	7.38±2.89	7.68±3.20	6.36±2.74	5.55±2.05	3.56±1.60
뭉치사태	4.77±2.05	5.10±1.75	3.92±1.03	3.45±1.38	2.57±0.78
상박살	11.58±3.92	11.81±4.59	9.29±2.99	7.09±3.17	5.07±2.71
본갈비	32.61±6.41	32.72±4.99	24.96±6.85	21.66±6.06	16.17±6.51
꽃갈비	37.96±8.33	34.49±7.08	26.73±9.57	23.33±9.28	19.28±7.56
참갈비	34.85±5.10	32.62±7.89	24.68±5.34	22.16±7.10	18.04±6.07
토시살	19.35±3.88	20.43±2.56	16.66±3.44	13.31±4.00	12.64±6.01
안창살	25.58±3.32	27.73±4.70	20.99±5.74	18.14±5.63	16.05±6.71
제비추리	10.39±2.54	12.50±3.72	8.68±2.19	7.14±2.43	6.57±2.94

*평균±표준편차

표 234 육질 등급에 따른 한우 소분할 부위(36개)의 단백질 함량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	9	15	20	19	25
안심살	20.59±1.80	19.15±0.64	19.50±0.71	20.43±2.37	20.60±1.62
윗등심살	17.59±1.89	16.41±1.42	17.90±1.10	19.04±2.47	19.65±1.92
꽃등심살	18.72±1.98	18.66±1.08	19.29±1.23	20.18±2.62	20.86±1.74
아래등심살	19.01±2.64	19.03±1.10	19.59±0.80	20.97±2.61	21.16±1.56
살치살	15.93±1.48	14.48±1.62	15.68±1.55	17.66±2.91	18.26±2.27
채끝살	18.39±1.95	18.13±1.68	19.02±0.82	20.65±2.71	21.28±1.59
목심살	19.14±2.35	17.55±2.02	18.92±0.86	20.11±2.41	20.46±2.44
꾸리살	19.94±2.38	18.00±1.52	19.09±0.73	20.09±2.05	19.97±1.50
부채살	16.86±1.81	16.49±1.32	17.37±1.39	19.46±2.75	19.31±1.83
앞다리살	20.31±1.62	19.15±0.98	19.38±0.87	20.95±2.78	20.93±1.85
갈비덧살	19.78±2.50	18.66±1.26	19.28±1.02	20.21±1.87	20.92±1.72
부채덮개살	20.86±2.26	19.35±1.31	19.97±0.61	21.43±2.75	20.85±1.58
우둔살	21.09±1.84	19.79±1.18	20.34±0.73	21.28±1.89	21.58±1.75
홍두깨살	21.51±2.24	19.44±0.96	20.40±0.73	21.18±2.17	21.45±1.78
보섭살	21.44±2.26	20.12±0.80	20.11±0.79	21.76±2.52	21.41±2.37
설깃살	19.35±1.84	18.50±1.29	19.13±1.31	20.51±2.65	20.66±1.43
설깃머리살	18.50±2.73	17.75±1.35	18.17±0.92	19.39±2.48	20.16±1.78
도가니살	20.55±1.67	19.21±1.06	19.55±0.87	21.18±2.16	20.99±1.91
삼각살	18.91±1.78	17.59±1.46	17.96±2.17	20.39±2.82	20.60±1.63
양지머리	19.82±2.23	18.81±1.14	19.27±0.72	20.39±1.83	20.91±1.51
차돌박이	14.00±2.68	12.82±3.68	15.43±2.37	16.63±4.36	18.45±2.40
업진살	12.61±2.19	11.68±2.35	14.40±1.55	16.78±3.55	17.59±2.39
업진안살	17.89±1.54	16.08±1.66	17.86±0.96	19.67±2.28	19.93±1.38
치마양지	19.14±1.60	17.58±1.62	19.16±0.93	20.81±2.39	20.64±1.59
치마살	18.18±1.81	17.08±1.39	17.70±0.99	19.27±2.51	19.38±1.47
앞치마살	18.67±2.77	17.22±1.50	18.61±0.75	19.84±2.05	20.28±1.74
앞사태	21.37±1.89	19.74±0.86	19.88±0.66	20.88±2.24	20.72±1.71
뒷사태	21.52±3.42	19.59±1.46	19.51±0.91	20.69±2.83	20.89±1.87
뭉치사태	22.23±2.33	20.63±0.82	20.68±0.65	21.83±2.49	21.52±1.75
상박살	20.21±2.62	18.91±1.45	18.87±0.78	20.29±2.56	20.21±1.63
본갈비	14.80±2.49	13.62±1.47	15.40±1.44	17.04±2.35	17.90±2.22
꽃갈비	13.05±2.77	12.83±2.01	14.61±1.97	16.58±3.70	17.48±2.37
참갈비	14.82±2.17	14.02±1.98	16.07±1.15	17.53±3.28	18.21±1.95
토시살	17.83±1.93	15.91±0.86	17.35±1.19	18.82±2.64	18.88±2.05
안창살	16.16±1.36	14.82±1.75	16.25±1.18	17.68±2.60	18.33±2.16
제비추리	20.92±2.21	18.63±1.33	19.73±0.67	20.63±2.34	20.63±2.14

*평균±표준편차

표 235 육질 등급에 따른 한우 소분할 부위(36개)의 콜라겐 함량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	9	15	20	19	25
안심살	2.33±1.02	2.22±1.08	1.82±0.27	2.54±1.35	1.96±0.79
윗등심살	2.43±1.31	2.30±0.90	2.04±0.30	2.39±1.15	1.94±0.76
꽃등심살	2.38±0.85	2.16±1.05	1.81±0.28	2.40±1.29	1.90±0.83
아래등심살	2.55±0.83	2.20±1.21	1.85±0.26	2.43±1.25	1.83±0.64
살치살	2.16±0.84	2.40±0.84	1.87±0.38	2.50±1.16	2.13±0.90
채끝살	2.37±0.90	2.22±0.98	1.95±0.22	2.55±1.31	1.89±0.78
목심살	2.38±0.71	2.46±0.81	2.07±0.21	2.67±1.36	2.16±0.97
꾸리살	2.48±0.85	2.32±0.67	1.93±0.26	2.62±1.17	2.03±0.62
부채살	2.61±0.87	2.73±0.82	2.30±0.45	2.92±1.24	2.48±0.65
앞다리살	2.32±0.85	2.22±0.95	1.85±0.19	2.49±1.30	2.00±0.92
갈비덧살	2.77±0.99	2.50±0.93	2.09±0.24	2.71±1.23	2.14±0.86
부채덮개살	2.77±1.34	2.13±1.04	1.79±0.25	2.57±1.41	1.97±0.86
우둔살	2.23±0.99	2.08±0.90	1.70±0.23	2.40±1.30	1.94±0.82
홍두깨살	2.64±1.13	2.13±0.99	1.84±0.21	2.56±1.36	1.99±0.81
보섭살	2.30±1.05	2.05±1.02	1.71±0.19	2.42±1.42	2.00±1.12
설깃살	2.49±1.10	2.19±0.95	1.95±0.17	2.51±1.24	1.95±0.45
설깃머리살	2.28±0.65	2.37±1.05	1.86±0.20	2.43±1.17	1.94±0.72
도가니살	2.47±1.14	2.13±0.93	1.85±0.23	2.45±1.31	1.96±0.95
삼각살	2.86±1.08	2.44±0.99	2.02±0.26	2.70±1.26	2.06±0.62
양지머리	2.59±0.90	2.24±1.07	1.92±0.21	2.61±1.31	2.03±0.85
차돌박이	3.25±1.12	2.64±0.67	2.44±0.24	3.18±1.30	2.59±0.82
업진살	2.68±0.67	2.52±0.88	2.27±0.28	3.01±1.14	2.43±0.85
업진안살	2.56±1.04	2.23±0.96	1.87±0.28	2.46±1.23	1.96±0.72
치마양지	2.78±1.07	2.37±0.93	2.04±0.24	2.76±1.39	2.12±0.82
치마살	2.46±0.89	2.21±1.04	1.93±0.23	2.43±1.13	1.97±0.72
앞치마살	2.86±1.09	2.53±1.10	2.06±0.22	2.57±1.24	2.00±0.79
앞사태	2.84±1.21	2.41±1.06	2.11±0.29	2.76±1.33	2.29±1.01
뒷사태	3.46±1.53	2.68±0.99	2.31±0.34	3.02±1.21	2.46±0.90
뭉치사태	2.29±0.90	2.15±1.13	1.71±0.19	2.51±1.36	2.01±0.96
상박살	2.90±1.06	2.63±1.00	2.26±0.32	2.99±1.32	2.33±0.88
본갈비	2.58±0.85	2.53±0.90	2.06±0.32	2.70±1.06	2.22±0.78
꽃갈비	2.84±1.25	2.57±0.90	2.26±0.30	2.83±1.26	2.42±0.82
참갈비	2.86±1.13	2.53±0.88	2.24±0.32	3.05±1.21	2.37±0.84
토시살	2.28±1.00	2.17±0.94	1.66±0.30	2.35±1.25	1.68±0.61
안창살	2.27±1.04	2.23±0.98	1.77±0.32	2.28±0.96	1.79±0.85
제비추리	2.37±1.07	2.28±1.14	1.87±0.23	2.53±1.16	2.07±1.02

*평균±표준편차

표 236 육질 등급에 따른 한우 소분할 부위(36개)의 육색 백색도(L값)

소분할 부위	육질등급				
	1^{++}	1^{+}	1	2	3
조사두수	9	15	20	19	25
안심살	38.41±4.28	38.38±4.10	38.17±4.10	39.08±4.36	37.25±4.20
윗등심살	41.64±5.21	40.73±5.40	40.21±5.27	39.66±4.85	37.97±4.37
꽃등심살	43.16±5.39	40.50±5.43	39.70±3.70	39.90±4.32	37.18±3.57
아래등심살	41.50±4.59	40.37±4.45	37.93±2.98	38.27±4.00	36.27±4.06
살치살	43.35±3.41	45.37±5.58	42.77±4.44	43.46±5.37	41.44±4.66
채끝살	40.30±3.19	38.99±4.80	38.08±3.44	37.28±3.83	34.98±3.41
목심살	38.92±4.62	39.45±4.23	38.10±4.23	39.96±4.53	37.11±3.82
꾸리살	37.49±3.44	37.79±3.35	37.79±3.50	38.09±3.45	36.43±3.41
부채살	40.39±4.45	40.88±4.71	39.67±3.49	39.07±4.14	36.81±3.76
앞다리살	36.64±3.30	37.16±4.57	37.54±3.33	38.14±4.11	35.83±3.24
갈비덧살	37.80±2.83	39.49±3.74	38.00±3.35	38.23±3.30	36.11±5.34
부채덮개살	39.95±3.23	40.49±4.19	39.45±3.99	40.97±3.65	38.23±3.88
우둔살	37.31±3.93	38.29±4.50	37.77±4.36	38.22±4.31	36.34±3.21
홍두깨살	40.11±3.17	41.79±4.69	39.98±3.26	42.54±3.51	40.44±4.25
보섭살	36.49±3.70	35.92±3.74	36.84±3.89	36.97±3.17	35.41±3.39
설깃살	39.15±4.97	38.28±4.28	38.97±3.29	38.52±3.97	36.18±3.29
설깃머리살	37.60±3.61	37.41±3.90	36.85±3.34	37.92±3.56	36.23±3.36
도가니살	38.96±2.97	37.46±3.37	37.08±4.05	37.69±3.62	35.97±3.31
삼각살	41.63±6.43	40.81±5.63	39.13±3.88	39.80±4.23	37.65±3.34
양지머리	38.13±3.56	38.59±4.09	37.24±3.85	37.83±3.44	36.73±3.83
차돌박이	43.36±5.80	44.82±7.75	41.24±6.30	44.57±9.06	39.22±6.10
업진살	43.23±6.05	45.41±6.07	42.16±5.26	41.69±5.72	39.14±4.71
업진안살	37.93±5.25	39.67±5.20	38.16±4.92	37.25±3.85	36.47±4.12
치마양지	38.40±4.73	37.69±4.60	37.26±4.12	37.91±4.24	36.05±3.77
치마살	39.34±4.21	40.25±5.02	37.19±5.31	36.60±3.83	35.38±4.41
앞치마살	40.16±6.16	40.95±4.81	38.39±4.68	38.13±4.75	38.68±4.70
앞사태	35.18±3.74	36.14±3.79	35.32±3.18	36.66±3.55	35.25±3.81
뒷사태	35.75±5.78	35.59±4.22	34.58±3.92	35.74±3.75	34.50±3.99
뭉치사태	34.94±4.95	33.99±3.83	33.79±3.38	34.84±3.11	32.96±2.72
상박살	38.68±4.51	39.14±5.43	37.01±3.87	37.51±3.48	36.72±3.65
본갈비	43.54±4.33	42.93±5.57	41.65±5.14	41.64±5.28	40.40±4.61
꽃갈비	48.04±7.23	46.24±6.50	44.85±7.25	41.97±5.41	40.43±6.17
참갈비	48.45±9.02	43.08±7.85	42.25±6.98	41.02±6.83	42.17±10.34
토시살	37.35±3.79	37.29±3.95	34.45±3.37	36.05±4.38	35.84±3.54
안창살	42.53±5.94	41.42±5.72	40.32±6.60	38.42±5.22	37.54±5.89
제비추리	33.91±3.27	34.40±4.15	33.95±4.88	35.42±3.99	33.83±4.47

*평균±표준편차

표 237 육질 등급에 따른 한우 소분할 부위(36개)의 육색 적색도(a값)

소분할 부위	육질등급				
	1^{++}	1^{+}	1	2	3
조사두수	9	15	20	19	25
안심살	21.78±3.22	21.07±2.89	20.00±3.02	20.65±2.94	20.22±4.34
윗등심살	20.66±3.21	20.20±2.64	20.75±2.37	21.30±2.77	20.38±3.45
꽃등심살	21.45±3.12	20.89±2.68	20.83±2.66	21.59±2.65	19.74±3.25
아래등심살	20.82±2.71	19.15±2.61	19.63±2.29	19.98±2.88	18.11±3.18
살치살	21.18±1.60	20.42±3.29	21.40±2.43	22.24±3.81	21.93±3.23
채끝살	20.38±2.60	18.86±2.07	18.92±2.33	19.20±2.55	17.75±2.57
목심살	21.73±3.27	20.99±2.35	20.13±2.73	21.76±3.69	20.74±3.45
꾸리살	22.50±1.94	21.55±2.33	21.38±2.04	21.65±3.16	21.04±3.21
부채살	20.88±2.00	21.23±2.31	20.98±2.18	21.30±2.70	20.34±3.07
앞다리살	22.53±3.00	21.20±3.43	21.20±2.63	21.68±2.56	20.25±3.77
갈비덧살	23.18±2.80	22.10±2.44	21.46±2.44	21.45±3.08	20.18±3.57
부채덮개살	25.47±2.33	24.17±2.67	23.54±2.95	23.45±3.08	22.58±3.68
우둔살	22.18±3.19	21.71±3.08	21.86±4.21	22.70±4.46	21.21±4.21
홍두깨살	23.25±2.86	21.91±2.97	21.96±2.91	22.73±3.21	20.57±3.81
보섭살	23.73±3.05	21.40±3.24	21.69±2.92	21.31±2.40	20.50±3.22
설깃살	21.18±4.15	21.31±3.85	20.95±3.37	20.30±3.64	19.45±3.31
설깃머리살	20.99±1.72	20.25±2.06	19.80±1.99	20.25±2.42	19.77±3.16
도가니살	23.02±3.23	21.09±2.61	20.81±2.91	20.73±2.76	19.19±3.18
삼각살	22.29±2.96	20.36±2.52	21.40±2.59	22.11±2.85	20.66±3.86
양지머리	22.58±3.47	23.18±3.97	20.64±3.10	20.97±3.28	20.05±4.06
차돌박이	20.60±3.65	18.04±3.76	19.23±3.07	18.50±4.28	18.54±3.71
업진살	20.31±3.12	19.54±3.12	19.43±3.58	20.59±2.69	19.62±3.20
업진안살	20.89±3.00	19.71±2.48	19.35±3.18	19.65±2.54	19.14±3.08
치마양지	20.80±3.73	20.11±2.69	19.82±3.03	19.13±3.55	17.90±3.01
치마살	20.70±2.65	20.68±2.12	21.08±2.49	21.94±3.36	21.30±2.65
앞치마살	20.03±2.84	21.49±3.49	20.78±3.59	21.50±3.37	20.78±3.20
앞사태	20.65±2.46	20.27±2.88	20.85±2.88	20.81±3.32	19.76±3.51
뒷사태	19.80±3.30	18.88±2.15	19.52±2.62	19.48±3.63	18.53±3.45
뭉치사태	20.26±4.93	18.60±3.61	19.30±3.31	19.30±3.08	17.75±3.23
상박살	22.10±2.63	20.86±2.44	20.87±2.42	21.07±2.76	19.71±3.74
본갈비	20.57±2.34	20.81±2.45	20.35±2.72	21.08±2.72	20.71±3.21
꽃갈비	17.99±3.05	18.07±2.83	17.58±3.07	18.50±2.93	18.56±3.27
참갈비	16.66±3.78	18.45±4.09	18.35±3.57	19.58±4.07	17.14±4.17
토시살	21.99±1.81	22.05±2.41	21.46±2.62	21.83±2.36	21.06±3.14
안창살	18.28±2.94	19.28±2.58	18.52±2.98	20.50±3.21	19.96±4.42
제비추리	21.57±2.72	21.15±2.68	19.97±3.33	20.80±3.29	

*평균±표준편차

표 238 육질 등급에 따른 한우 소분할 부위(36개)의 육색 황색도(b값)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	9	15	20	19	25
안심살	10.49±1.96	9.78±1.59	9.16±1.82	9.42±1.75	9.19±2.38
윗등심살	10.54±1.83	10.08±1.45	10.17±1.65	10.43±1.66	9.85±1.89
꽃등심살	11.57±1.63	10.51±1.74	10.24±1.66	10.69±1.55	9.26±1.61
아래등심살	10.76±1.54	9.37±1.24	9.09±1.40	9.24±1.71	8.04±1.76
살치살	10.88±1.36	10.39±1.68	10.39±1.41	10.95±2.03	10.71±1.52
채끝살	10.34±1.28	9.03±1.15	8.76±1.54	8.83±1.45	7.79±1.43
목심살	10.87±1.78	10.32±1.06	9.01±1.66	10.49±2.33	9.50±1.96
꾸리살	10.55±1.37	10.01±1.36	9.50±1.32	9.77±1.79	9.25±1.67
부채살	9.90±1.64	9.97±1.41	9.71±1.50	9.61±1.45	9.13±1.56
앞다리살	10.58±1.85	9.76±1.94	9.56±1.54	9.92±1.58	8.97±1.92
갈비덧살	11.88±1.76	11.04±1.33	10.26±1.38	10.51±1.99	9.76±2.01
부채덮개살	12.85±1.69	11.89±1.71	10.97±2.09	11.25±1.87	10.48±2.02
우둔살	10.79±2.06	10.38±1.68	10.40±2.71	10.89±2.87	9.58±2.46
홍두깨살	12.59±1.66	11.98±1.89	11.59±2.04	12.43±1.91	10.65±2.15
보섭살	11.69±2.00	9.98±1.79	9.89±1.86	10.00±1.59	9.57±1.98
설깃살	10.28±2.59	10.18±2.22	9.93±3.37	9.55±2.23	8.70±1.79
설깃머리살	9.81±1.16	9.36±1.16	8.85±2.08	9.24±1.36	9.05±1.48
도가니살	11.43±2.10	9.74±1.70	9.60±1.85	9.34±1.62	8.30±1.91
삼각살	11.52±2.12	10.12±1.52	10.10±1.75	10.78±1.45	9.86±2.29
양지머리	11.06±1.74	11.39±2.28	9.42±1.79	9.89±2.01	9.13±2.09
차돌박이	10.30±1.90	8.97±2.23	8.88±1.93	8.73±1.88	8.30±1.89
업진살	10.39±1.74	9.80±1.67	9.21±1.97	10.12±1.71	9.39±1.79
업진안살	9.53±1.51	8.73±1.42	8.18±2.02	8.22±1.79	7.88±1.68
치마양지	9.85±1.79	8.53±1.42	8.19±1.92	7.90±2.06	7.19±1.78
치마살	10.20±1.52	9.90±1.21	9.85±1.58	10.01±1.89	9.80±1.59
앞치마살	10.29±1.42	11.20±2.10	10.04±2.05	10.46±2.02	10.14±2.03
앞사태	9.37±1.65	9.40±1.53	9.20±1.98	9.36±1.95	9.10±1.86
뒷사태	9.15±2.04	8.34±1.20	8.54±1.55	8.59±1.72	8.03±1.67
뭉치사태	9.18±3.18	8.04±1.84	8.36±1.73	8.37±1.73	7.63±1.70
상박살	10.45±1.73	9.74±1.26	9.54±1.59	9.39±1.57	8.78±2.12
본갈비	10.04±1.47	10.01±1.51	9.53±1.72	9.80±1.45	9.63±1.80
꽃갈비	8.82±1.65	8.31±1.49	8.13±1.47	8.02±1.61	8.18±1.87
참갈비	8.55±1.74	8.59±2.09	8.41±2.15	8.56±2.34	8.13±2.05
토시살	10.36±1.01	9.96±1.31	9.33±1.57	9.40±1.46	9.19±1.40
안창살	9.10±1.72	9.31±1.52	8.64±1.28	9.35±1.56	9.04±1.50
제비추리	9.81±1.58	9.56±1.59	8.75±2.01	8.93±1.94	9.03±2.43

*평균±표준편차

표 239 육질 등급에 따른 한우 소분할 부위(36개)의 pH

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	9	15	20	19	25
안심살	5.59±0.10	5.54±0.11	5.53±0.11	5.61±0.19	5.57±0.11
윗등심살	5.67±0.19	5.68±0.14	5.63±0.16	5.77±0.27	5.68±0.17
꽃등심살	5.56±0.12	5.54±0.10	5.56±0.13	5.62±0.24	5.59±0.11
아래등심살	5.56±0.12	5.55±0.11	5.54±0.13	5.62±0.19	5.59±0.10
살치살	5.80±0.11	5.74±0.14	5.72±0.17	5.82±0.27	5.71±0.12
채끝살	5.58±0.12	5.56±0.15	5.53±0.13	5.60±0.24	5.59±0.11
목심살	5.68±0.19	5.65±0.12	5.69±0.16	5.78±0.26	5.68±0.17
꾸리살	5.68±0.14	5.65±0.13	5.62±0.14	5.77±0.22	5.68±0.13
부채살	5.79±0.13	5.72±0.12	5.75±0.14	5.83±0.23	5.76±0.15
앞다리살	5.62±0.17	5.59±0.11	5.60±0.17	5.68±0.21	5.58±0.14
갈비덧살	5.60±0.10	5.60±0.13	5.64±0.20	5.71±0.22	5.64±0.14
부채덮개살	5.70±0.12	5.67±0.09	5.69±0.13	5.81±0.24	5.68±0.15
우둔살	5.54±0.11	5.51±0.09	5.52±0.13	5.60±0.16	5.52±0.09
홍두깨살	5.58±0.12	5.54±0.13	5.56±0.14	5.62±0.18	5.53±0.11
보섭살	5.50±0.10	5.49±0.11	5.51±0.10	5.59±0.20	5.51±0.09
설깃살	5.55±0.12	5.55±0.12	5.52±0.11	5.62±0.18	5.52±0.10
설깃머리살	5.58±0.14	5.53±0.10	5.55±0.12	5.66±0.17	5.55±0.10
도가니살	5.60±0.17	5.61±0.13	5.57±0.09	5.67±0.22	5.58±0.12
삼각살	5.59±0.13	5.56±0.10	5.54±0.11	5.70±0.26	5.59±0.12
양지머리	5.61±0.17	5.57±0.12	5.61±0.17	5.73±0.22	5.64±0.12
차돌박이	5.82±0.30	5.84±0.17	5.76±0.19	5.84±0.27	5.83±0.20
업진살	5.76±0.15	5.74±0.11	5.78±0.15	5.86±0.26	5.77±0.15
업진안살	5.84±0.20	5.78±0.14	5.77±0.16	5.88±0.25	5.75±0.41
치마양지	5.72±0.14	5.76±0.18	5.78±0.26	5.79±0.19	5.71±0.16
치마살	5.86±0.17	5.75±0.16	5.83±0.19	5.88±0.23	5.79±0.15
앞치마살	5.88±0.15	5.76±0.12	5.78±0.16	5.86±0.26	5.78±0.22
앞사태	5.72±0.19	5.73±0.15	5.77±0.17	5.85±0.28	5.82±0.27
뒷사태	5.87±0.21	5.87±0.19	5.87±0.16	5.97±0.27	5.89±0.18
뭉치사태	5.69±0.15	5.63±0.15	5.62±0.11	5.72±0.23	5.61±0.12
상박살	5.74±0.16	5.75±0.15	5.76±0.17	5.84±0.25	5.81±0.19
본갈비	5.89±0.20	5.78±0.14	5.80±0.18	5.90±0.23	5.80±0.13
꽃갈비	5.95±0.19	5.90±0.16	5.94±0.16	6.08±0.30	6.00±0.19
참갈비	5.83±0.14	5.76±0.15	5.76±0.19	5.89±0.26	5.79±0.18
토시살	5.81±0.26	5.86±0.20	5.86±0.19	5.92±0.23	5.81±0.16
안창살	5.95±0.25	5.99±0.19	5.94±0.21	6.06±0.24	5.95±0.19
제비추리	5.85±0.30	5.79±0.16	5.79±0.16	5.90±0.25	5.85±0.19

*평균±표준편차

표 240 육질 등급에 따른 한우 소분할 부위(33개)의 가열감량(단위: %)

소분할 부위	육질등급				
	1^{++}	1^{+}	1	2	3
조사두수	9	15	20	19	25
안심살	26.10±3.58	25.21±3.14	26.82±3.50	26.95±2.77	28.29±2.87
윗등심살	21.50±3.02	20.40±3.19	22.81±2.48	23.06±3.67	25.56±4.09
꽃등심살	22.61±3.83	24.41±2.59	24.76±3.53	26.83±3.93	27.08±4.91
아래등심살	23.39±4.04	23.98±3.40	23.43±4.14	25.28±2.93	26.38±3.69
살치살	19.30±2.52	19.89±2.79	22.68±3.16	24.81±4.65	28.89±5.97
채끝살	20.25±1.98	20.76±2.87	22.25±3.07	23.71±3.29	26.07±3.76
목심살	26.27±4.48	24.13±2.14	25.24±7.64	26.14±4.23	29.34±5.59
꾸리살	31.56±2.62	31.26±2.85	31.83±2.50	32.39±3.94	34.67±3.31
부채살	24.37±6.12	23.98±2.67	25.73±2.59	27.17±3.34	29.26±2.98
앞다리살	29.06±3.01	28.29±2.78	29.51±2.85	29.59±3.22	31.70±3.12
갈비덧살	24.91±3.61	24.94±2.76	26.27±3.03	27.60±3.90	30.53±3.04
부채덮개살	28.04±5.79	29.51±2.15	31.01±5.23	30.89±3.83	31.98±2.90
우둔살	29.05±3.35	28.41±3.08	32.13±8.01	30.12±4.16	32.62±3.26
홍두깨살	31.42±2.10	30.24±2.92	30.65±4.35	32.55±2.37	34.40±2.94
보섭살	29.45±2.93	28.28±2.48	29.23±3.03	29.06±4.14	31.26±2.70
설깃살	26.30±3.92	27.68±3.31	27.31±4.49	30.97±6.41	33.27±4.15
설깃머리살	28.58±2.60	28.20±2.13	28.36±2.98	29.44±2.75	32.54±4.15
도가니살	31.65±3.14	30.14±2.13	30.94±3.85	32.14±3.52	33.22±3.63
삼각살	21.50±2.97	22.50±1.72	24.13±3.14	26.24±3.17	26.89±4.77
양지머리	28.31±3.78	28.33±2.19	29.62±2.29	29.76±3.68	31.94±2.75
차돌박이	16.43±4.92	15.73±4.13	18.51±5.10	17.21±4.72	22.08±6.57
업진살	22.92±4.81	19.84±3.27	21.70±3.68	26.17±4.89	28.51±4.88
치마살	23.55±3.60	24.15±3.30	24.06±3.15	25.82±2.47	27.81±4.18
앞치마살	25.71±3.09	25.77±3.53	26.40±2.41	28.29±3.61	28.49±5.52
앞사태	29.39±3.18	29.74±2.77	28.76±3.69	29.66±3.98	30.25±3.41
뒷사태	26.24±2.66	24.99±2.30	25.11±1.93	26.01±3.10	28.95±6.48
뭉치사태	27.54±2.03	26.87±3.28	27.48±4.74	28.65±6.87	28.62±2.52
상박살	31.14±8.81	27.35±3.31	27.66±5.17	29.13±2.63	30.12±2.48
본갈비	19.40±2.58	20.86±2.81	22.47±2.37	25.01±4.98	27.29±4.70
꽃갈비	16.98±2.36	18.08±3.70	19.95±2.28	23.17±4.08	26.51±5.70
참갈비	16.11±2.74	15.05±2.85	16.87±3.49	19.58±3.44	21.35±3.86
토시살	26.93±3.08	26.26±3.36	26.17±3.25	28.48±4.01	30.05±4.03
안창살	25.41±3.84	26.41±3.36	29.27±5.51	32.08±4.68	31.76±5.89

*평균±표준편차

표 241 육질 등급에 따른 한우 소분할 부위(36개)의 보수력(단위: %)

소분할 부위	육질등급				
	1^{++}	1^{+}	1	2	3
조사두수	9	15	20	19	25
안심살	62.59±7.42	61.28±8.66	58.71±7.09	58.66±6.39	57.29±6.76
윗등심살	56.91±10.41	56.89±9.70	56.35±8.80	55.83±6.22	55.17±7.44
꽃등심살	62.34±8.72	61.68±7.71	58.48±8.13	59.10±4.53	55.49±8.21
아래등심살	59.86±7.71	61.02±8.08	59.06±7.45	60.47±5.88	56.01±7.77
살치살	51.80±12.90	54.65±8.45	55.34±8.69	56.16±6.89	54.03±9.28
채끝살	56.47±9.03	59.07±7.98	55.47±7.12	57.16±4.65	54.23±6.95
목심살	57.96±6.07	53.29±4.41	54.73±8.27	54.16±5.32	50.65±10.46
꾸리살	55.50±6.35	56.69±5.32	55.38±6.23	55.00±6.66	52.97±6.31
부채살	51.96±12.92	53.92±9.79	53.05±9.11	52.76±5.78	52.63±6.84
앞다리살	54.09±3.79	59.10±11.27	57.80±7.13	56.18±5.37	53.79±5.95
갈비덧살	57.19±4.93	57.89±10.37	54.34±6.73	56.67±6.24	53.80±5.26
부채덮개살	59.23±9.90	56.91±5.38	57.39±6.24	56.90±7.84	55.33±6.05
우둔살	59.93±7.12	58.19±5.14	56.53±8.29	56.88±5.69	52.80±6.25
홍두깨살	55.06±6.18	56.23±4.56	54.73±6.37	55.53±4.97	51.35±6.02
보섭살	58.92±4.07	58.61±5.87	57.53±6.22	56.31±5.56	52.32±6.29
설깃살	55.89±7.02	56.86±5.88	56.42±6.53	54.21±5.13	52.44±6.54
설깃머리살	57.96±8.57	55.01±7.27	54.31±8.73	52.46±6.68	51.85±6.15
도가니살	55.80±6.54	55.66±4.44	55.52±6.35	56.53±6.01	53.39±6.80
삼각살	53.84±6.41	55.29±6.64	54.29±8.51	55.77±4.96	52.78±11.44
양지머리	54.60±10.41	56.11±6.26	55.78±7.13	55.18±4.81	53.26±7.43
차돌박이	48.84±9.60	51.09±8.35	50.42±8.95	53.16±6.59	52.51±11.24
업진살	50.33±9.25	53.05±5.78	47.89±8.15	50.43±7.25	52.00±7.79
업진안살	56.57±10.03	55.51±7.11	52.75±7.22	54.21±5.41	52.22±5.59
치마양지	54.91±4.30	54.86±6.14	53.60±6.87	54.57±5.07	52.43±5.80
치마살	53.18±4.22	51.99±6.65	50.79±6.34	52.41±6.44	51.42±6.80
앞치마살	55.44±6.10	54.80±6.00	52.53±6.51	56.35±6.85	53.60±5.10
앞사태	51.76±4.42	54.71±6.63	52.75±7.16	53.01±6.82	53.94±6.98
뒷사태	52.85±7.16	52.63±6.23	52.76±6.69	53.37±6.18	52.34±6.80
뭉치사태	54.27±1.91	56.20±6.27	54.78±6.17	53.05±6.28	53.32±6.63
상박살	57.15±5.45	54.09±4.85	53.93±6.90	56.19±4.48	54.83±7.03
본갈비	56.34±9.66	51.48±6.42	51.99±9.38	53.19±11.46	52.25±6.14
꽃갈비	51.52±8.24	47.89±8.40	49.55±7.10	49.32±4.85	52.79±10.01
참갈비	53.88±3.73	51.52±8.04	53.38±7.67	53.35±3.98	53.15±5.32
토시살	58.52±7.17	54.25±8.61	55.18±7.54	54.60±6.23	53.97±6.95
안창살	55.87±9.35	54.59±6.87	58.13±8.04	56.11±7.06	54.34±6.35
제비추리	56.94±11.64	53.82±6.68	56.00±5.66	54.81±6.14	52.68±7.14

*평균±표준편차

표 242 육질 등급에 따른 한우 소분할 부위(33개)의 전단력가(단위: kg/cm^2)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	9	15	20	19	25
안심살	2.80±0.80	2.65±0.55	2.95±0.64	2.94±0.74	3.25±0.71
윗등심살	3.45±0.75	3.67±0.89	4.15±1.09	3.93±1.15	4.53±1.26
꽃등심살	3.16±0.72	3.84±0.82	4.29±1.14	4.36±1.06	5.79±1.50
아래등심살	3.43±0.59	4.36±1.16	4.80±0.91	5.47±1.71	7.10±1.84
살치살	2.01±0.55	2.13±0.41	2.57±0.72	2.67±0.79	3.27±0.76
채끝살	4.15±0.92	5.10±1.40	5.36±1.05	6.08±1.67	7.79±1.97
목심살	4.60±1.00	4.81±1.16	5.13±1.59	4.92±1.05	5.85±0.93
꾸리살	4.09±0.90	4.20±0.84	4.73±0.90	5.04±1.65	5.68±0.95
부채살	2.89±0.66	3.09±0.69	3.32±0.56	3.43±0.71	4.23±0.93
앞다리살	3.80±0.48	3.85±0.70	3.93±0.81	4.22±0.79	5.05±1.05
갈비덧살	3.76±0.57	4.17±0.60	4.78±0.85	4.80±0.80	5.43±0.84
부채덮개살	3.43±0.73	3.71±0.68	4.19±0.90	4.19±1.00	4.79±0.91
우둔살	4.72±0.76	5.10±1.28	5.76±1.15	5.76±1.24	6.95±1.31
홍두깨살	4.80±1.19	4.62±1.16	4.82±1.04	5.05±1.01	5.97±1.12
보섭살	4.82±0.75	5.34±1.20	5.63±1.62	5.53±1.27	6.53±1.29
설깃살	4.85±1.15	5.21±1.30	5.15±0.77	5.70±1.37	6.83±1.54
설깃머리살	4.45±0.98	4.73±1.21	5.14±1.19	5.17±1.36	6.06±1.58
도가니살	4.63±1.43	5.14±1.33	5.15±1.22	5.59±1.42	6.65±1.63
삼각살	2.95±0.71	3.50±0.68	3.91±0.90	4.26±0.88	4.95±0.78
양지머리	4.35±2.01	3.73±0.86	4.32±0.66	4.43±0.78	5.55±1.07
차돌박이	3.65±1.03	5.03±1.65	5.22±1.64	5.24±1.83	7.18±3.20
업진살	3.14±0.98	2.93±0.63	3.31±0.96	4.08±1.25	5.15±1.15
치마살	3.52±0.93	3.98±1.15	4.28±1.65	4.28±1.06	4.99±1.44
앞치마살	3.54±0.54	3.94±0.56	4.29±1.81	4.45±0.76	5.29±1.14
앞사태	5.08±0.64	5.92±0.87	5.67±0.83	5.88±1.19	6.53±0.97
뒷사태	3.88±1.70	4.45±1.02	4.36±1.05	4.45±0.93	5.15±1.31
뭉치사태	4.58±0.88	5.15±1.19	5.03±0.86	4.91±1.10	5.73±0.97
상박살	3.57±0.72	3.93±1.12	3.94±1.12	4.21±0.85	4.58±1.68
본갈비	2.35±0.44	2.61±0.50	2.95±1.11	2.94±1.06	3.48±0.83
꽃갈비	1.95±0.40	2.23±0.58	2.52±0.66	2.68±0.60	3.84±1.22
참갈비	3.55±1.19	3.79±0.81	3.87±1.06	4.57±1.07	5.17±1.22
토시살	2.77±0.41	2.92±0.54	3.17±0.59	3.32±0.70	3.78±0.90
안창살	2.24±0.41	2.30±0.44	2.48±0.51	2.84±0.80	3.34±0.92

*평균±표준편차

표 243 한우 암소 육질 등급에 따른 한우 암소 소분할 부위(36개)의 수분 함량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	62.59±1.34	63.63±3.04	64.90±2.27	65.49±3.49	66.92±3.16
윗등심살	49.97±1.09	55.79±4.23	59.14±4.31	58.94±3.73	63.64±4.34
꽃등심살	57.25±2.02	59.65±2.94	61.84±2.09	59.95±4.78	65.38±2.26
아래등심살	54.47±1.01	60.49±2.82	63.54±1.82	64.31±2.52	67.18±2.41
살치살	49.82±0.78	51.93±3.07	55.87±3.02	57.18±5.17	59.38±3.37
채끝살	51.33±2.98	58.55±3.22	62.21±2.47	63.26±3.04	66.95±2.55
목심살	54.52±0.87	62.73±3.49	64.52±2.51	65.38±4.14	65.30±3.98
꾸리살	64.37±1.58	63.85±4.48	68.23±1.57	66.85±3.16	68.84±3.31
부채살	50.21±3.39	57.52±5.63	60.33±2.94	63.99±3.10	63.20±2.76
앞다리살	62.29±2.87	64.46±2.12	66.24±1.31	66.85±3.08	68.10±1.90
갈비덧살	60.35±1.01	63.77±3.01	66.81±2.32	66.11±5.18	68.99±3.65
부채덮개살	65.18±3.81	68.01±5.62	70.43±1.37	70.51±2.50	72.13±1.50
우둔살	61.22±0.38	63.95±1.13	67.25±2.42	65.65±2.93	68.67±1.97
홍두깨살	66.88±0.81	67.37±1.71	70.42±0.86	67.83±5.09	70.86±1.78
보섭살	65.40±0.36	65.40±1.81	66.87±1.66	67.63±3.47	68.93±2.21
설깃살	59.41±2.20	61.78±2.43	64.17±3.62	63.55±4.56	67.54±1.66
설깃머리살	53.77±0.26	61.89±1.42	63.39±1.86	63.13±3.29	66.70±1.51
도가니살	64.74±0.87	66.60±0.87	68.32±2.21	68.50±2.91	70.51±1.79
삼각살	61.49±1.89	61.48±3.50	64.71±2.12	64.73±3.00	66.38±3.06
양지머리	63.50±0.83	66.19±1.85	67.81±2.33	66.58±4.08	70.16±2.33
차돌박이	51.57±3.07	53.76±6.34	60.54±5.99	57.83±5.83	60.16±5.35
업진살	46.63±1.18	46.79±6.60	53.44±2.17	53.73±4.94	55.71±6.48
업진안살	55.47±0.84	59.89±2.03	62.11±1.83	63.28±3.63	65.59±2.81
치마양지	59.36±3.56	62.79±2.82	66.59±1.38	65.65±2.46	69.32±1.97
치마살	58.65±1.27	59.89±3.74	64.41±1.60	65.16±3.94	67.16±2.04
앞치마살	58.63±0.42	59.52±1.92	64.45±1.94	64.24±2.89	67.36±2.99
앞사태	70.99±0.05	71.31±0.95	72.73±1.76	70.68±5.23	73.28±1.87
뒷사태	67.88±2.84	68.83±2.38	70.54±1.83	68.26±2.65	71.04±1.44
뭉치사태	69.44±1.35	69.31±1.78	70.51±0.85	69.78±2.45	71.45±2.03
상박살	61.75±2.46	66.48±2.59	66.38±2.12	66.98±3.84	69.31±2.53
본갈비	47.52±0.33	51.41±3.23	56.75±2.21	56.50±5.38	58.54±4.59
꽃갈비	42.17±1.79	50.87±3.24	54.20±5.10	56.21±5.03	56.33±4.96
참갈비	48.67±2.78	50.80±4.43	56.93±2.46	56.30±4.66	57.73±4.80
토시살	56.48±0.78	58.23±2.61	60.63±3.57	62.19±3.96	61.93±5.62
안창살	52.66±0.61	54.64±3.35	56.57±2.80	58.60±4.31	58.82±5.47
제비추리	63.76±0.21	64.03±1.73	67.69±1.55	67.48±2.78	69.13±2.34

*평균±표준편차

표 244 육질 등급에 따른 한우 암소 소분할 부위(36개)의 지방 함량(단위: %)

소분할 부위	육질등급				
	1^{++}	1^{+}	1	2	3
조사두수	2	7	8	8	11
안심살	15.70±0.33	14.49±3.21	12.58±3.01	11.47±3.27	10.20±2.83
윗등심살	31.07±1.83	24.33±5.10	19.53±6.23	19.33±5.20	14.39±4.53
꽃등심살	22.32±2.00	18.15±4.35	15.96±3.78	17.51±5.65	11.67±2.39
아래등심살	26.17±2.08	17.21±3.64	13.25±2.94	11.29±1.72	8.70±2.31
살치살	29.99±0.20	29.56±5.21	22.37±2.31	19.41±8.27	19.48±4.33
채끝살	28.70±4.87	18.59±4.91	13.91±3.71	11.75±3.88	8.98±2.07
목심살	23.86±2.00	14.42±4.10	11.73±3.81	9.81±4.71	11.90±4.40
꾸리살	11.88±2.38	13.22±6.93	7.90±1.51	8.37±2.95	7.21±2.19
부채살	30.96±4.41	21.25±6.64	17.84±4.51	12.11±4.60	15.08±3.68
앞다리살	12.96±2.12	11.12±2.81	9.86±2.14	7.95±2.28	7.15±1.37
갈비덧살	16.75±0.97	12.30±3.57	9.38±2.99	9.52±5.11	6.84±2.98
부채덮개살	13.21±4.72	9.97±6.35	5.97±1.96	4.91±1.62	4.34±1.32
우둔살	13.37±0.34	11.14±1.98	8.14±1.61	9.08±3.29	5.43±1.58
홍두깨살	8.39±0.17	8.75±2.51	5.17±1.26	5.64±2.57	4.54±1.21
보섭살	11.02±2.00	9.74±2.93	7.61±1.66	6.13±1.27	5.32±1.89
설깃살	15.95±2.30	12.28±3.45	10.41±4.35	10.54±6.55	6.74±1.60
설깃머리살	23.26±0.72	12.81±2.45	12.09±1.66	11.33±3.56	8.25±1.34
도가니살	10.91±1.59	9.99±1.62	7.22±1.72	6.41±1.64	5.29±1.39
삼각살	15.86±2.34	15.17±4.35	11.98±2.78	10.73±4.02	10.39±2.39
양지머리	14.12±0.51	10.55±1.87	7.67±1.89	8.76±4.43	5.73±1.62
차돌박이	28.62±4.18	26.39±9.81	17.77±8.07	20.84±9.01	18.04±6.82
업진살	36.29±2.00	37.80±10.22	26.47±3.74	25.29±8.49	24.83±8.50
업진안살	24.61±2.76	19.34±2.36	15.76±1.50	12.35±3.88	11.22±2.48
치마양지	18.24±3.53	15.00±3.46	9.85±1.76	9.77±2.34	7.34±1.84
치마살	18.84±0.78	17.69±4.17	12.35±2.11	10.79±3.41	9.76±2.11
앞치마살	19.09±0.25	19.53±2.96	13.33±2.00	12.62±2.28	10.70±3.08
앞사태	4.84±0.03	4.03±1.13	2.99±2.39	3.16±2.07	2.52±1.50
뒷사태	7.55±2.24	6.57±2.32	5.00±1.31	5.76±1.59	4.41±1.34
뭉치사태	5.60±1.49	5.06±1.99	4.08±1.15	3.64±1.16	2.95±0.66
상박살	15.04±2.98	9.75±2.81	9.78±2.14	7.76±2.53	6.88±2.65
본갈비	35.27±0.53	30.62±4.12	22.93±1.98	22.19±7.09	20.44±5.43
꽃갈비	44.84±3.40	31.25±5.69	26.13±6.46	22.16±7.68	24.73±5.72
참갈비	32.97±5.80	30.67±6.11	22.70±3.74	22.00±7.99	21.85±5.52
토시살	21.96±0.49	20.27±3.44	17.68±4.07	14.31±4.52	16.17±7.41
안창살	27.39±1.36	25.72±4.64	22.87±3.90	18.93±4.47	20.19±7.07
제비추리	13.24±0.30	13.90±3.03	10.22±1.47	8.18±2.41	8.71±2.18

*평균±표준편차

표 245 육질 등급에 따른 한우 암소 소분할 부위(36개)의 단백질 함량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	19.10±0.11	19.09±0.77	19.46±0.77	20.74±2.88	19.93±0.61
윗등심살	15.96±0.30	16.31±1.75	17.91±1.43	18.75±3.26	18.55±1.07
꽃등심살	18.05±0.30	18.62±1.16	19.44±1.30	19.97±3.30	19.98±0.91
아래등심살	17.13±0.81	18.85±1.22	19.84±0.79	21.39±3.33	20.62±0.79
살치살	16.10±0.65	14.67±1.68	16.26±0.86	18.01±3.53	17.06±1.11
채끝살	17.80±0.62	18.72±1.90	19.40±0.65	21.11±3.54	20.87±0.87
목심살	17.17±0.46	18.46±1.41	18.93±1.00	20.77±3.43	19.08±1.17
꾸리살	18.55±0.39	18.01±1.72	19.18±0.62	20.58±2.45	19.27±0.58
부채살	15.22±0.92	16.97±1.21	16.98±1.56	20.16±3.75	18.12±1.41
앞다리살	19.70±0.52	19.59±0.93	19.66±0.66	21.50±3.72	20.21±0.75
갈비덧살	18.57±0.56	19.07±1.22	19.76±0.74	20.67±2.33	20.13±1.00
부채덮개살	19.07±1.43	19.32±1.55	20.13±0.63	22.03±3.67	20.31±0.48
우둔살	19.82±0.61	20.02±1.00	20.72±0.54	21.39±2.32	21.08±0.59
홍두깨살	20.96±0.46	19.95±0.95	20.89±0.71	21.34±2.57	20.87±0.46
보섭살	20.18±0.62	20.22±0.94	20.21±1.01	22.33±3.25	20.73±0.93
설깃살	18.92±0.65	19.03±1.30	19.54±1.29	20.53±3.57	20.34±0.84
설깃머리살	15.73±0.15	18.25±1.25	18.11±0.86	19.40±3.15	19.26±1.23
도가니살	19.58±0.54	19.64±0.77	19.71±0.95	21.86±2.72	20.41±0.76
삼각살	18.95±0.21	18.67±1.16	19.27±0.87	20.97±3.39	19.93±0.64
양지머리	18.12±0.77	19.16±0.96	19.55±0.82	20.65±2.23	20.36±0.83
차돌박이	14.26±0.55	14.75±3.09	17.01±1.84	17.36±4.14	17.15±1.60
업진살	12.92±1.02	12.39±2.57	15.09±1.04	16.98±4.40	15.69±1.72
업진안살	16.52±0.45	17.36±0.84	18.56±0.58	20.33±2.46	19.39±0.77
치마양지	17.70±1.24	18.32±1.06	19.68±0.84	21.16±3.12	20.02±0.94
치마살	17.31±1.09	17.80±1.46	18.43±0.48	19.82±2.55	19.11±1.08
앞치마살	17.67±0.55	17.50±1.07	19.08±0.62	20.05±2.36	19.51±0.59
앞사태	20.17±0.17	19.93±0.86	20.08±0.84	21.46±2.74	20.31±0.65
뒷사태	19.37±0.63	20.33±1.02	19.86±0.68	21.62±3.50	20.36±1.14
뭉치사태	20.99±0.09	20.84±0.90	20.76±0.83	22.29±3.22	21.23±0.54
상박살	18.22±1.16	19.56±1.26	18.76±0.86	21.05±2.86	19.57±0.72
본갈비	14.23±0.17	14.32±1.31	16.42±1.16	17.72±2.93	16.82±1.21
꽃갈비	10.96±0.77	13.75±1.49	15.41±1.65	17.71±4.04	15.55±1.20
참갈비	14.68±1.58	14.72±1.70	16.83±1.08	18.39±4.34	17.07±1.61
토시살	16.43±0.61	16.13±0.86	16.89±1.00	18.91±2.85	17.29±1.38
안창살	15.36±1.30	16.21±0.85	15.81±0.82	17.69±2.56	16.74±1.35
제비추리	19.14±0.08	18.55±1.50	19.91±0.35	20.92±2.88	19.91±0.72

*평균±표준편차

표 246 육질 등급에 따른 한우 암소 소분할 부위(36개)의 콜라겐 함량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	1.77±0.24	1.90±0.28	1.94±0.28	2.79±1.63	1.72±0.22
윗등심살	1.68±0.31	1.96±0.48	2.00±0.35	2.33±1.21	1.77±0.30
꽃등심살	1.77±0.18	1.95±0.48	1.80±0.30	2.61±1.50	1.66±0.23
아래등심살	1.91±0.09	1.82±0.28	1.90±0.23	2.66±1.44	1.68±0.18
살치살	1.60±1.04	1.98±0.25	1.96±0.34	2.58±1.31	1.89±0.26
채끝살	1.93±0.52	1.92±0.35	1.88±0.27	2.73±1.52	1.72±0.23
목심살	2.08±0.33	2.14±0.33	2.03±0.23	3.00±1.54	2.00±0.26
꾸리살	1.98±0.25	2.08±0.28	1.98±0.24	2.74±1.27	1.84±0.13
부채살	2.03±0.55	2.43±0.45	2.22±0.31	3.05±1.47	2.39±0.58
앞다리살	1.67±0.24	1.85±0.22	1.89±0.21	2.55±1.47	1.72±0.26
갈비덧살	2.09±0.08	2.18±0.30	1.94±0.24	2.75±1.27	1.92±0.23
부채덮개살	1.75±0.43	1.78±0.39	1.75±0.22	2.74±1.65	1.74±0.23
우둔살	1.79±0.14	1.83±0.32	1.71±0.26	2.51±1.39	1.67±0.23
홍두깨살	1.91±0.27	1.72±0.32	1.75±0.20	2.70±1.44	1.76±0.23
보섭살	1.72±0.29	1.72±0.22	1.67±0.18	2.68±1.78	1.71±0.20
설깃살	1.77±0.18	1.99±0.15	1.90±0.24	2.69±1.24	1.82±0.15
설깃머리살	1.82±0.22	2.11±0.43	1.88±0.18	2.52±1.26	1.78±0.15
도가니살	1.92±0.18	1.83±0.25	1.79±0.22	2.57±1.38	1.66±0.19
삼각살	1.96±0.17	2.00±0.13	1.95±0.15	2.76±1.33	1.90±0.17
양지머리	2.09±0.28	1.79±0.29	1.85±0.13	2.72±1.43	1.72±0.24
차돌박이	2.50±0.17	2.50±0.22	2.32±0.21	3.24±1.17	2.36±0.36
업진살	2.17±0.14	2.20±0.34	2.43±0.24	3.29±1.39	2.25±0.24
업진안살	1.90±0.09	1.81±0.28	1.90±0.31	2.48±1.46	1.75±0.27
치마양지	2.33±0.11	2.02±0.37	1.91±0.13	2.98±1.66	1.85±0.23
치마살	1.94±0.09	1.81±0.39	1.95±0.21	2.50±1.23	1.77±0.22
앞치마살	2.07±0.07	2.14±0.30	2.00±0.20	2.73±1.39	1.77±0.18
앞사태	2.29±0.02	2.07±0.25	2.03±0.24	2.98±1.56	1.88±0.38
뒷사태	2.23±0.12	2.43±0.39	2.31±0.27	3.31±1.35	2.17±0.25
뭉치사태	1.66±0.03	1.86±0.28	1.69±0.20	2.65±1.46	1.73±0.27
상박살	2.31±0.13	2.33±0.34	2.24±0.28	3.23±1.50	2.18±0.46
본갈비	1.95±0.46	2.23±0.23	2.16±0.25	2.80±1.12	2.07±0.36
꽃갈비	1.80±0.48	2.37±0.23	2.31±0.39	2.80±1.33	2.23±0.23
참갈비	2.16±0.11	2.26±0.35	2.38±0.22	3.20±1.39	2.16±0.34
토시살	1.58±0.03	1.95±0.25	1.72±0.29	2.47±1.13	1.65±0.23
안창살	1.60±0.17	1.96±0.41	1.88±0.37	2.53±1.09	1.75±0.26
제비추리	1.65±0.24	1.98±0.47	1.85±0.23	2.57±1.18	1.86±0.16

*평균±표준편차

표 247 육질 등급에 따른 한우 암소 소분할 부위(36개)의 육색 명도(L) 특성

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	36.99±3.51	38.13±4.79	39.13±2.58	40.06±3.27	36.17±4.10
윗등심살	42.36±2.57	39.43±3.60	41.41±4.23	41.27±4.41	38.90±4.14
꽃등심살	41.77±5.62	37.87±5.17	39.90±2.71	40.96±5.28	37.91±3.39
아래등심살	42.25±4.65	39.80±5.07	38.92±2.55	39.63±2.99	36.97±4.01
살치살	43.86±1.99	42.91±6.25	45.29±3.53	45.86±5.65	42.12±4.92
채끝살	40.21±4.36	38.04±5.57	38.92±2.60	37.32±3.84	35.18±3.40
목심살	40.16±5.50	38.72±5.04	39.85±3.94	40.42±4.11	36.59±3.91
꾸리살	38.43±2.15	36.81±3.22	38.71±3.21	37.84±3.17	36.04±3.14
부채살	42.27±2.81	40.81±5.14	41.15±2.61	40.79±3.55	38.04±4.21
앞다리살	36.92±3.37	36.17±5.09	38.88±2.96	39.11±5.03	35.46±3.46
갈비덧살	38.91±2.76	38.29±3.89	39.08±2.98	38.14±3.00	37.11±4.01
부채덮개살	40.30±2.04	39.72±3.39	40.83±4.16	40.52±2.61	37.02±4.25
우둔살	36.67±3.01	37.28±4.36	39.42±3.60	38.39±4.11	35.39±3.04
홍두깨살	40.48±5.49	41.14±6.10	42.02±2.77	42.49±2.86	40.35±4.42
보섭살	36.98±4.38	35.64±4.87	38.97±4.28	36.34±2.09	35.16±2.72
설깃살	38.04±2.29	37.42±3.67	39.59±1.64	37.96±4.29	35.42±2.69
설깃머리살	37.53±2.85	36.79±3.99	38.43±3.02	38.67±3.62	35.52±3.51
도가니살	36.05±1.72	36.79±3.83	37.90±3.02	36.74±2.92	35.28±3.33
삼각살	38.61±1.34	39.10±6.60	39.90±3.30	39.95±3.79	37.18±3.20
양지머리	37.68±3.17	37.48±4.45	39.21±2.98	38.50±3.96	36.36±4.06
차돌박이	42.36±6.81	43.55±8.45	41.51±5.41	43.72±9.65	38.46±3.52
업진살	43.22±4.65	44.74±7.92	43.11±5.02	44.04±4.94	40.30±5.57
업진안살	37.63±2.18	37.68±5.66	39.14±5.28	37.89±3.68	35.26±3.92
치마양지	35.78±1.78	36.69±5.31	38.18±4.05	38.50±4.63	35.08±3.55
치마살	40.00±3.85	39.36±6.41	37.11±4.53	37.57±3.57	35.08±4.79
앞치마살	38.18±5.47	39.96±5.27	40.34±3.49	38.34±4.82	38.62±5.85
앞사태	34.60±1.68	34.52±3.43	36.36±3.07	37.16±3.41	34.36±3.82
뒷사태	34.86±6.81	33.79±3.80	35.62±2.89	35.15±3.19	33.33±4.03
뭉치사태	33.08±5.12	32.99±3.75	34.70±2.38	35.13±3.40	32.18±2.78
상박살	39.20±1.96	37.25±4.70	38.64±3.37	38.23±3.03	36.17±3.60
본갈비	43.37±2.98	42.04±6.93	44.08±4.48	43.24±5.12	41.05±4.64
꽃갈비	52.84±3.86	42.84±6.96	46.91±6.40	43.39±4.90	42.86±6.86
참갈비	53.31±7.75	38.94±5.40	44.20±5.16	45.21±6.92	45.49±12.85
토시살	38.71±0.88	37.09±4.35	35.95±2.32	36.28±2.46	36.03±3.65
안창살	40.52±4.67	40.81±6.90	39.97±4.76	38.42±5.46	39.51±6.78
제비추리	32.97±3.34	33.80±4.03	34.94±2.66	35.12±3.08	34.53±4.69

*평균±표준편차

표 248 육질 등급에 따른 한우 암소 소분할 부위(36개)의 육색 적색도(a값)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	20.83±2.00	20.90±3.26	19.77±2.68	20.85±2.81	18.78±4.77
윗등심살	21.62±2.65	20.92±2.26	21.29±2.34	21.00±2.58	19.27±3.58
꽃등심살	20.63±1.39	20.14±2.76	20.38±1.91	20.80±3.18	19.25±3.18
아래등심살	21.36±0.92	18.98±2.74	19.96±1.90	19.97±3.25	17.84±3.52
살치살	21.01±0.86	21.42±2.65	22.34±2.15	20.83±2.97	19.74±2.95
채끝살	21.21±1.34	19.29±2.10	19.15±2.11	18.57±2.47	17.46±3.04
목심살	22.06±1.85	20.92±2.77	21.32±2.51	20.68±2.65	19.06±3.04
꾸리살	22.29±1.29	21.37±2.07	22.14±1.90	20.68±2.90	20.17±2.75
부채살	20.31±1.65	20.94±2.15	21.15±2.28	21.03±2.09	19.48±3.01
앞다리살	21.49±2.30	21.38±4.01	21.96±2.53	21.85±2.45	19.62±4.21
갈비덧살	22.28±0.94	22.62±2.54	21.48±2.33	21.39±3.86	19.69±3.95
부채덮개살	25.63±1.79	24.02±3.02	23.87±2.97	22.85±2.22	21.01±3.62
우둔살	20.43±1.19	22.63±3.10	23.47±3.91	22.40±5.04	20.45±4.00
홍두깨살	22.05±2.79	20.99±2.51	22.64±2.21	22.08±3.14	19.13±3.57
보섭살	25.03±1.95	22.01±3.51	22.97±3.44	20.35±2.86	20.06±3.24
설깃살	20.83±2.29	21.29±3.59	21.76±3.39	19.54±3.79	18.44±2.80
설깃머리살	20.61±1.54	20.49±1.62	20.68±1.73	19.68±2.41	19.47±3.45
도가니살	19.39±1.06	22.35±1.92	21.27±2.23	19.74±2.63	18.45±3.35
삼각살	19.98±1.96	19.96±2.91	20.91±2.55	21.77±3.61	20.06±3.90
양지머리	22.01±3.58	23.67±4.08	21.29±2.88	20.68±3.81	18.87±3.58
차돌박이	19.06±3.51	18.26±4.20	20.25±2.70	17.77±4.61	18.88±3.81
업진살	20.33±3.27	19.76±2.86	21.75±2.98	20.65±2.60	19.63±3.19
업진안살	22.01±2.20	19.80±1.88	20.38±3.63	19.62±2.06	19.09±3.44
치마양지	20.02±2.44	19.92±2.33	20.35±2.90	19.73±4.74	18.09±3.77
치마살	20.07±2.45	21.37±1.94	22.11±2.24	22.36±3.19	21.38±2.52
앞치마살	19.79±3.37	22.71±2.94	22.11±3.56	21.15±2.80	20.45±3.56
앞사태	22.36±2.81	19.98±2.71	20.90±2.97	19.85±3.27	18.83±3.72
뒷사태	18.83±3.95	18.11±1.81	19.62±2.82	18.71±3.36	17.41±3.36
뭉치사태	18.51±2.82	17.54±2.93	18.98±2.81	18.66±3.08	16.85±2.92
상박살	22.21±2.47	20.25±2.34	21.02±2.20	20.25±2.43	18.30±3.63
본갈비	19.98±1.49	21.97±2.28	21.10±2.35	20.69±2.88	20.15±3.40
꽃갈비	16.26±4.32	19.33±2.15	18.70±3.08	18.89±3.38	18.37±3.89
참갈비	16.83±3.84	19.79±2.38	20.44±2.60	18.88±4.08	16.25±5.02
토시살	21.12±2.34	21.85±2.92	22.38±2.03	21.80±2.05	19.66±2.76
안창살	19.12±2.60	19.14±2.58	20.07±2.60	19.89±2.96	18.65±3.18
제비추리	20.60±2.46	20.89±2.23	20.85±3.27	19.83±2.75	19.28±4.71

*평균±표준편차

표 249 육질 등급에 따른 한우 암소 소분할 부위(36개)의 육색 황색도(b값)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	9.79±0.63	9.86±1.60	8.78±1.63	9.57±1.67	8.58±2.50
윗등심살	11.20±0.94	10.64±1.20	10.25±1.20	10.47±1.41	9.52±1.79
꽃등심살	10.99±0.83	9.82±1.75	9.67±1.12	10.46±1.89	9.31±1.58
아래등심살	11.33±1.00	9.37±1.33	9.03±1.13	9.51±2.00	8.35±2.08
살치살	10.80±1.61	10.81±1.27	10.87±1.32	10.50±1.36	9.89±1.35
채끝살	10.95±0.55	9.37±1.29	8.63±1.50	8.47±1.39	7.95±1.82
목심살	11.13±0.61	10.48±1.06	9.66±1.46	9.83±1.77	8.60±1.53
꾸리살	10.87±1.67	10.02±1.29	9.85±1.22	9.19±1.82	8.99±1.43
부채살	10.07±1.89	9.95±1.52	9.50±1.48	9.70±1.17	8.98±1.32
앞다리살	10.14±1.16	9.92±2.20	9.89±1.51	9.99±1.53	9.05±2.02
갈비덧살	11.77±0.96	11.37±1.41	10.27±1.34	10.41±2.41	9.58±2.42
부채덮개살	13.25±1.80	11.79±1.78	11.14±1.84	10.71±1.00	9.80±1.86
우둔살	9.73±1.18	10.92±1.63	11.15±2.50	10.65±3.12	9.45±2.19
홍두깨살	12.00±1.27	11.82±1.85	12.16±1.52	11.86±1.51	9.98±1.83
보섭살	12.48±1.21	10.55±1.84	10.73±2.21	9.41±1.83	9.56±1.96
설깃살	9.81±1.30	10.24±2.00	10.21±2.18	8.93±2.16	8.29±1.23
설깃머리살	9.67±1.32	9.67±1.07	9.28±1.06	9.03±1.29	8.97±1.56
도가니살	9.33±1.32	10.56±1.43	9.61±1.30	8.76±1.47	8.29±1.59
삼각살	9.76±2.00	9.88±1.57	9.61±1.89	10.73±1.68	9.68±2.03
양지머리	10.79±1.63	11.56±2.37	9.76±1.79	9.77±2.35	8.89±1.66
차돌박이	9.27±1.19	9.19±2.73	9.01±2.12	7.96±1.81	8.70±1.90
업진살	11.05±1.07	10.25±1.30	10.42±1.51	10.34±1.35	9.62±1.90
업진안살	10.09±1.95	8.78±1.23	8.43±2.56	8.13±2.08	8.31±1.88
치마양지	9.30±2.82	8.66±1.01	7.99±2.00	8.23±2.60	7.44±2.15
치마살	10.34±1.67	10.48±1.10	10.26±1.66	10.39±1.65	10.00±1.58
앞치마살	10.47±2.03	11.92±1.85	10.86±2.20	10.09±1.51	9.76±2.10
앞사태	10.72±1.12	9.61±1.40	9.23±2.05	8.89±2.01	8.81±1.93
뒷사태	8.36±2.14	8.06±0.92	8.42±1.62	8.20±1.83	7.55±1.66
뭉치사태	7.90±1.27	7.60±1.56	8.07±1.48	7.97±1.55	7.44±1.49
상박살	10.68±1.15	9.30±1.27	9.40±1.47	8.95±1.16	8.30±2.13
본갈비	9.55±1.96	10.95±1.43	9.75±1.65	9.84±1.54	9.56±2.01
꽃갈비	8.33±1.49	8.79±1.30	8.54±1.64	8.50±1.64	8.61±2.14
참갈비	9.12±2.42	8.97±1.53	9.41±1.72	8.43±2.09	8.58±2.20
토시살	9.80±0.42	10.07±1.50	9.66±1.15	9.31±1.10	8.84±1.21
안창살	9.30±1.84	9.16±1.46	8.84±1.14	9.14±1.55	9.00±1.48
제비추리	9.67±1.23	9.39±1.38	9.16±2.19	8.35±1.51	9.02±2.68

*평균±표준편차

표 250 육질 등급에 따른 한우 암소 소분할 부위(36개)의 pH

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	5.58±0.14	5.51±0.13	5.52±0.15	5.59±0.12	5.58±0.13
윗등심살	5.62±0.28	5.67±0.11	5.61±0.20	5.70±0.14	5.75±0.19
꽃등심살	5.58±0.13	5.54±0.13	5.58±0.17	5.59±0.11	5.61±0.11
아래등심살	5.51±0.11	5.56±0.14	5.58±0.17	5.57±0.09	5.61±0.09
살치살	5.84±0.14	5.70±0.13	5.65±0.18	5.74±0.15	5.70±0.13
채끝살	5.52±0.12	5.60±0.17	5.56±0.14	5.62±0.13	5.62±0.11
목심살	5.66±0.27	5.63±0.15	5.69±0.15	5.74±0.13	5.77±0.19
꾸리살	5.71±0.17	5.67±0.15	5.64±0.15	5.76±0.16	5.65±0.09
부채살	5.72±0.12	5.73±0.13	5.74±0.16	5.80±0.11	5.79±0.18
앞다리살	5.53±0.17	5.58±0.13	5.62±0.09	5.65±0.09	5.63±0.15
갈비덧살	5.62±0.14	5.60±0.12	5.60±0.13	5.71±0.20	5.69±0.17
부채덮개살	5.62±0.15	5.63±0.10	5.67±0.10	5.73±0.18	5.70±0.19
우둔살	5.52±0.18	5.50±0.12	5.54±0.18	5.59±0.15	5.54±0.08
홍두깨살	5.54±0.19	5.53±0.17	5.55±0.14	5.58±0.11	5.56±0.12
보섭살	5.50±0.15	5.48±0.15	5.52±0.13	5.54±0.08	5.51±0.08
설깃살	5.54±0.17	5.55±0.15	5.51±0.13	5.61±0.13	5.51±0.09
설깃머리살	5.56±0.20	5.53±0.11	5.54±0.16	5.62±0.10	5.56±0.09
도가니살	5.53±0.13	5.60±0.16	5.58±0.09	5.64±0.12	5.61±0.11
삼각살	5.60±0.15	5.57±0.12	5.54±0.14	5.66±0.23	5.62±0.12
양지머리	5.70±0.28	5.56±0.16	5.62±0.22	5.67±0.18	5.67±0.13
차돌박이	5.91±0.54	5.82±0.19	5.75±0.17	5.77±0.21	5.88±0.18
업진살	5.78±0.24	5.73±0.12	5.78±0.16	5.84±0.19	5.83±0.13
업진안살	5.83±0.29	5.84±0.16	5.78±0.17	5.81±0.14	5.82±0.17
치마양지	5.63±0.05	5.81±0.23	5.89±0.36	5.75±0.10	5.78±0.14
치마살	5.69±0.08	5.77±0.19	5.82±0.15	5.84±0.14	5.86±0.16
앞치마살	5.79±0.17	5.74±0.14	5.83±0.15	5.81±0.10	5.89±0.24
앞사태	5.69±0.16	5.72±0.21	5.79±0.19	5.82±0.20	5.92±0.33
뒷사태	6.00±0.18	5.88±0.24	5.82±0.19	5.93±0.21	5.93±0.20
뭉치사태	5.69±0.20	5.65±0.20	5.66±0.12	5.67±0.14	5.64±0.14
상박살	5.69±0.18	5.75±0.21	5.73±0.19	5.82±0.16	5.89±0.20
본갈비	5.75±0.17	5.78±0.16	5.83±0.23	5.81±0.15	5.84±0.16
꽃갈비	5.90±0.14	6.00±0.14	5.91±0.17	6.00±0.26	6.08±0.17
참갈비	5.80±0.07	5.79±0.17	5.71±0.18	5.85±0.20	5.86±0.19
토시살	5.83±0.42	5.95±0.22	5.86±0.22	5.87±0.12	5.86±0.18
안창살	5.96±0.33	6.07±0.22	5.98±0.19	6.03±0.12	6.01±0.15
제비추리	5.79±0.38	5.89±0.17	5.81±0.15	5.83±0.16	5.93±0.24

*평균±표준편차

표 251 육질 등급에 따른 한우 암소 소분할 부위(33개)의 가열감량(단위: %)

소분할 부위	육질등급				
	1++	1+	1	2	3
조사두수	2	7	8	8	11
안심살	26.90±1.36	23.69±3.17	26.58±5.37	25.51±2.46	25.92±1.43
윗등심살	22.32±1.83	19.82±3.91	21.99±1.79	22.52±3.51	22.74±2.53
꽃등심살	23.84±4.07	22.57±1.44	23.27±3.43	25.22±3.85	23.88±4.24
아래등심살	26.26±2.60	23.10±3.33	22.15±3.07	25.04±2.58	24.63±3.87
살치살	19.25±0.73	18.44±2.32	22.05±2.77	23.05±3.68	23.45±3.14
채끝살	21.01±2.45	19.80±2.15	21.91±1.09	22.58±4.17	23.68±3.52
목심살	23.73±5.44	23.70±0.93	24.99±12.26	24.57±4.16	24.35±3.94
꾸리살	33.15±3.23	31.56±2.29	30.50±0.92	30.11±3.30	32.10±2.57
부채살	25.89±1.84	24.42±3.00	25.75±1.37	26.88±3.09	26.88±1.62
앞다리살	29.85±2.66	27.50±2.23	29.04±2.15	28.94±3.46	29.41±2.27
갈비덧살	24.93±0.50	26.25±1.94	27.24±1.24	26.75±3.84	29.14±2.30
부채덮개살	30.20±3.86	29.10±1.95	30.21±5.96	30.92±3.69	30.45±2.68
우둔살	28.55±5.67	28.97±1.48	34.85±11.41	29.49±4.08	30.36±2.84
홍두깨살	32.55±0.25	30.75±2.03	29.54±5.33	31.92±2.46	32.12±1.94
보섭살	31.98±3.76	27.49±1.48	27.73±2.94	28.03±4.60	30.09±3.02
설깃살	28.47±0.90	28.26±2.72	25.85±6.27	32.08±9.08	30.23±3.09
설깃머리살	29.04±2.78	28.34±1.09	28.14±2.60	28.47±1.72	29.23±3.64
도가니살	31.63±0.68	30.04±2.17	31.52±4.75	31.13±3.71	30.12±3.14
삼각살	23.40±0.79	22.56±1.57	23.36±3.82	25.07±2.89	25.37±3.14
양지머리	30.35±5.20	28.38±1.91	29.12±2.65	28.41±4.31	30.20±2.42
차돌박이	23.10±0.03	15.98±4.83	19.46±4.42	15.79±3.00	18.76±3.50
업진살	23.64±2.50	18.78±2.42	20.35±3.97	24.38±4.62	23.88±2.18
치마살	24.99±0.42	24.48±3.14	24.00±2.93	24.46±2.11	24.52±2.88
앞치마살	26.46±5.35	24.78±4.49	25.42±2.05	27.88±4.31	25.97±3.43
앞사태	30.04±4.64	29.40±1.88	28.13±1.37	28.91±3.88	28.59±3.26
뒷사태	30.09±1.50	25.28±2.77	24.77±1.64	26.82±1.99	26.77±3.17
뭉치사태	26.92±3.10	26.40±4.07	26.32±2.07	30.60±10.40	27.43±2.44
상박살	32.06±0.92	28.54±3.72	29.25±2.97	29.98±1.74	28.61±2.75
본갈비	18.33±0.93	19.88±2.89	22.07±2.97	22.68±4.34	23.14±2.45
꽃갈비	16.05±0.39	18.23±3.20	20.49±2.68	21.84±4.10	22.04±4.50
참갈비	18.88±0.02	14.34±2.16	16.05±3.55	19.18±1.92	18.40±3.05
토시살	27.04±3.80	24.87±3.14	25.20±1.66	27.23±2.96	28.62±4.52
안창살	28.87±2.96	25.79±4.11	30.32±8.41	31.09±4.56	28.71±4.28

*평균±표준편차

표 252 육질 등급에 따른 한우 암소 소분할 부위(36개)의 보수력(단위: %)

소분할 부위	육질등급				
	1^{++}	1^{+}	1	2	3
조사두수	2	7	8	8	11
안심살	59.51±6.98	60.44±7.04	61.16±5.13	56.09±7.05	57.74±8.14
윗등심살	66.60±1.80	58.27±9.65	60.17±10.52	53.64±7.66	52.44±11.52
꽃등심살	67.85±0.14	59.77±5.23	61.93±11.09	60.76±5.04	56.66±6.83
아래등심살	67.02±6.93	59.71±8.84	63.75±6.62	60.88±6.59	55.36±6.10
살치살	69.48±8.97	55.46±9.19	59.75±5.98	55.88±5.81	54.69±5.78
채끝살	56.67±2.16	54.99±5.13	60.09±5.18	56.38±4.67	54.02±9.03
목심살	63.22±2.38	52.72±5.06	56.09±6.95	52.25±5.59	49.96±6.83
꾸리살	56.31±5.02	54.84±5.16	58.92±5.77	55.32±7.59	53.41±7.88
부채살	65.46±12.84	55.75±11.28	57.60±8.17	52.22±5.42	52.65±7.83
앞다리살	57.49±6.23	56.68±8.57	59.75±6.01	56.13±6.62	55.65±7.13
갈비덧살	57.50±1.09	56.72±4.71	58.03±5.65	55.66±6.32	55.08±5.93
부채덮개살	58.96±5.04	57.39±3.55	60.76±5.07	55.49±9.71	55.88±7.26
우둔살	62.09±12.18	59.61±5.08	61.48±7.98	56.34±7.21	52.87±6.40
홍두깨살	56.55±1.83	56.89±4.28	57.28±3.90	54.39±6.16	51.46±7.35
보섭살	63.73±5.32	58.49±4.74	59.17±6.26	53.86±6.42	53.25±7.71
설깃살	56.84±10.19	57.97±5.81	59.87±7.99	52.84±5.59	52.88±8.62
설깃머리살	60.06±10.58	55.60±5.80	58.96±6.48	50.66±7.46	50.93±6.93
도가니살	63.02±6.19	52.88±3.54	58.71±6.88	57.67±7.03	53.74±7.26
삼각살	56.71±7.57	53.55±3.03	59.43±7.22	55.95±3.74	51.41±15.90
양지머리	58.85±11.84	56.53±4.27	57.33±6.23	55.66±4.04	54.71±9.27
차돌박이	51.92±5.76	50.06±4.89	54.74±9.41	52.55±7.16	50.25±15.81
업진살	53.12±11.30	50.61±5.48	51.29±10.33	46.88±5.98	52.88±10.17
업진안살	62.16±5.43	54.29±8.02	57.44±6.39	52.90±5.13	52.51±6.93
치마양지	57.37±6.90	56.19±6.08	58.09±7.66	54.85±5.88	51.01±5.05
치마살	53.26±0.28	51.99±5.86	54.42±6.32	51.44±7.39	51.73±6.66
앞치마살	58.28±4.41	56.34±7.20	57.18±5.09	55.57±6.14	54.97±5.52
앞사태	52.10±0.24	53.64±5.61	55.57±5.03	51.81±7.96	54.64±9.17
뒷사태	51.73±8.79	53.03±5.99	55.05±7.12	53.80±6.74	52.60±7.90
뭉치사태	54.89±1.29	56.98±5.04	57.77±5.07	50.57±7.72	53.40±8.08
상박살	53.77±6.24	55.37±4.63	56.98±5.50	55.48±3.99	57.02±7.89
본갈비	66.18±14.52	49.42±6.58	54.50±10.34	51.63±4.00	53.28±6.30
꽃갈비	55.63±3.47	47.95±9.12	51.96±7.86	47.49±3.60	51.54±13.31
참갈비	55.13±5.35	50.55±8.07	57.19±4.56	52.04±3.64	53.86±6.74
토시살	55.49±2.70	52.66±9.42	59.64±8.82	53.65±6.57	55.27±8.42
안창살	59.75±4.87	52.92±7.06	60.93±6.80	56.13±8.07	55.89±8.29
제비추리	55.88±3.74	54.12±5.93	56.68±4.42	51.52±5.52	55.76±7.84

*평균±표준편차

표 253 육질 등급에 따른 한우 암소 소분할 부위(36개)의 전단력가(단위: kg/cm^2)

소분할 부위	육질등급				
	1^{++}	1^{+}	1	2	3
조사두수	2	7	8	8	11
안심살	3.34±0.85	2.65±0.73	2.99±0.77	2.62±0.66	3.11±0.71
윗등심살	3.45±0.62	4.09±1.05	4.42±0.96	3.86±1.05	4.24±1.13
꽃등심살	3.38±0.61	4.15±0.63	4.87±0.93	4.11±1.19	5.33±1.46
아래등심살	3.76±0.83	4.65±1.18	5.13±0.77	4.75±1.15	6.66±2.06
살치살	1.85±0.25	2.25±0.38	2.58±0.53	2.72±0.81	3.02±0.78
채끝살	3.90±0.60	5.41±1.53	5.70±0.69	6.28±1.29	7.34±1.81
목심살	4.61±0.88	5.18±1.02	4.56±1.07	5.06±1.14	5.60±0.96
꾸리살	4.81±1.11	4.60±0.81	4.75±0.78	5.24±1.82	5.65±1.07
부채살	3.17±1.00	3.29±0.75	3.32±0.61	3.18±0.71	3.76±0.80
앞다리살	3.84±0.34	3.92±0.79	3.95±0.48	3.94±0.93	4.85±1.23
갈비덧살	3.53±0.37	4.29±0.54	4.97±0.63	4.92±0.94	5.53±1.08
부채덮개살	2.77±0.55	3.96±0.68	4.31±0.78	4.26±1.32	4.68±1.08
우둔살	4.91±0.57	5.20±1.04	5.62±0.99	5.64±1.20	6.82±1.33
홍두깨살	6.14±0.76	5.13±0.91	4.76±1.22	4.87±0.86	6.04±1.34
보섭살	4.80±0.86	5.44±0.97	5.38±0.99	5.34±0.95	6.40±1.25
설깃살	5.25±0.95	5.46±1.12	5.39±0.75	5.72±1.65	7.12±1.72
설깃머리살	4.81±0.94	5.03±0.65	5.47±1.12	5.04±1.16	6.08±1.73
도가니살	5.39±0.85	5.17±1.25	5.36±1.36	5.62±1.64	6.65±1.90
삼각살	3.32±0.29	3.90±0.51	4.27±0.76	3.79±0.75	4.56±0.68
양지머리	3.80±0.94	3.60±0.64	4.42±0.59	4.47±0.75	5.67±1.18
차돌박이	4.01±1.24	5.20±1.64	4.84±1.03	5.90±2.44	7.05±3.17
업진살	2.60±0.41	2.89±0.57	3.18±0.98	3.53±0.85	4.27±0.67
치마살	3.51±0.52	4.04±1.34	4.96±1.82	4.34±1.35	4.18±1.09
앞치마살	3.28±0.25	4.02±0.67	4.06±0.83	4.32±0.79	4.46±0.76
앞사태	5.05±0.60	6.17±0.64	5.69±0.92	5.65±1.43	6.47±0.88
뒷사태	5.02±2.75	4.57±1.14	4.56±1.16	4.65±0.94	5.36±1.48
뭉치사태	4.15±0.79	4.99±0.86	4.95±0.62	4.56±1.17	5.46±0.91
상박살	3.89±0.76	4.01±1.26	4.02±1.18	4.56±0.99	4.35±2.37
본갈비	2.03±0.43	2.54±0.39	2.78±0.92	2.62±1.08	3.13±0.83
꽃갈비	1.90±0.31	2.21±0.73	2.71±0.67	2.55±0.51	3.56±1.43
참갈비	3.32±0.95	3.83±0.62	4.16±0.79	4.13±1.00	4.88±0.98
토시살	2.45±0.29	2.69±0.45	3.41±0.65	3.06±0.63	3.54±0.93
안창살	2.31±0.26	2.38±0.48	2.60±0.57	2.93±1.06	2.92±0.97

*평균±표준편차

표 254 육질 등급에 따른 한우 수소 소분할 부위(36개)의 수분 함량(단위: %)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	68.35±2.49	69.74±2.59
윗등심살	65.02±4.16	67.50±3.46
꽃등심살	66.73±3.46	69.67±2.69
아래등심살	67.85±3.24	69.98±2.33
살치살	64.64±4.53	64.74±4.02
채끝살	67.03±3.34	69.81±2.41
목심살	68.78±5.11	71.65±2.24
꾸리살	71.49±1.85	71.42±2.07
부채살	65.98±2.99	68.24±3.04
앞다리살	70.10±1.90	70.71±2.07
갈비덧살	68.13±3.13	71.59±2.52
부채덮개살	72.86±0.97	73.18±1.37
우둔살	70.94±1.82	71.04±1.84
홍두깨살	73.00±1.10	72.60±1.53
보섭살	70.10±2.02	69.88±2.12
설깃살	71.40±1.62	70.30±2.39
설깃머리살	68.22±2.82	68.96±2.62
도가니살	71.19±1.29	72.21±1.70
삼각살	67.74±3.41	70.56±2.83
양지머리	71.29±1.40	71.67±1.70
차돌박이	65.17±6.44	65.25±4.87
업진살	60.99±6.52	65.26±3.70
업진안살	65.21±3.97	68.24±3.51
치마양지	69.57±2.50	70.21±2.57
치마살	67.44±3.14	68.27±2.76
앞치마살	68.92±3.41	70.47±2.37
앞사태	74.24±1.41	73.13±2.27
뒷사태	71.32±1.78	71.78±1.65
뭉치사태	70.85±2.21	72.43±1.46
상박살	69.13±1.81	71.61±2.17
본갈비	59.33±6.02	64.48±4.85
꽃갈비	59.05±8.02	64.54±4.55
참갈비	60.58±3.35	62.44±4.96
토시살	65.13±3.33	65.99±2.48
안창살	61.69±4.58	64.12±2.74
제비추리	71.05±1.71	71.18±2.49

*평균±표준편차

표 255 육질 등급에 따른 한우 수소 소분할 부위(36개)의 지방 함량(단위: %)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	8.31±2.83	5.90±1.92
윗등심살	12.59±3.91	8.75±3.70
꽃등심살	9.48±4.89	5.22±1.84
아래등심살	7.62±4.17	4.33±1.39
살치살	12.92±5.67	11.82±4.97
채끝살	7.93±4.34	4.57±1.62
목심살	7.94±5.24	3.33±1.63
꾸리살	4.68±1.40	3.58±0.93
부채살	11.31±3.35	7.30±3.05
앞다리살	4.59±1.93	3.34±0.99
갈비덧살	7.53±3.95	3.48±1.41
부채덮개살	3.42±1.57	2.87±1.19
우둔살	3.69±1.62	2.53±1.03
홍두깨살	2.92±1.28	2.54±1.12
보섭살	4.12±1.34	3.65±2.58
설깃살	3.05±0.91	4.16±2.00
설깃머리살	6.88±2.84	4.88±1.58
도가니살	4.14±1.70	2.79±1.23
삼각살	8.75±4.68	5.36±3.51
양지머리	4.08±0.98	3.12±0.77
차돌박이	13.22±8.52	11.64±5.94
업진살	17.96±6.76	12.08±3.40
업진안살	12.39±5.73	7.75±2.81
치마양지	6.87±3.19	5.55±1.92
치마살	8.81±3.23	7.89±2.34
앞치마살	8.81±3.91	6.04±2.90
앞사태	2.22±0.83	1.87±0.64
뒷사태	4.48±2.26	2.87±1.48
뭉치사태	3.61±1.83	2.22±0.73
상박살	6.32±2.19	3.65±1.78
본갈비	20.48±6.64	12.82±5.25
꽃갈비	20.64±11.42	13.13±5.21
참갈비	17.90±5.49	15.05±4.70
토시살	11.87±3.76	9.87±2.18
안창살	16.35±5.15	12.34±3.08
제비추리	5.59±2.00	4.47±1.92

*평균±표준편차

표 256 육질 등급에 따른 한우 수소 소분할 부위(36개)의 단백질 함량(단위: %)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	19.79±0.97	21.13±1.96
윗등심살	18.81±0.92	20.50±2.02
꽃등심살	20.31±1.28	21.54±1.94
아래등심살	20.23±1.01	21.58±1.88
살치살	18.15±1.79	19.20±2.51
채끝살	20.22±1.09	21.59±1.94
목심살	19.32±0.58	21.54±2.64
꾸리살	19.44±0.96	20.53±1.75
부채살	18.18±0.68	20.24±1.58
앞다리살	19.93±0.42	21.50±2.24
갈비덧살	19.77±1.10	21.54±1.92
부채덮개살	20.63±0.79	21.28±1.98
우둔살	21.23±0.78	21.98±2.21
홍두깨살	21.04±0.60	21.90±2.26
보섭살	20.70±0.65	21.95±2.98
설깃살	20.79±0.77	20.92±1.73
설깃머리살	19.27±0.59	20.86±1.86
도가니살	20.13±0.76	21.45±2.39
삼각살	19.94±1.44	21.12±1.96
양지머리	20.55±0.76	21.35±1.77
차돌박이	18.25±2.55	19.46±2.46
업진살	17.06±1.63	19.08±1.67
업진안살	18.75±1.19	20.37±1.59
치마양지	20.43±0.85	21.12±1.83
치마살	19.03±0.80	19.58±1.71
앞치마살	19.99±1.00	20.88±2.09
앞사태	19.84±0.59	21.04±2.18
뒷사태	20.00±0.79	21.31±2.23
뭉치사태	20.70±0.57	21.75±2.29
상박살	19.32±0.95	20.72±1.95
본갈비	16.65±1.15	18.74±2.46
꽃갈비	16.49±2.95	19.05±1.86
참갈비	17.73±1.56	19.11±1.73
토시살	18.32±1.38	20.12±1.57
안창살	17.49±1.53	19.59±1.83
제비추리	20.30±0.74	21.19±2.68

*평균±표준편차

표 257 육질 등급에 따른 한우 수소 소분할 부위(36개)의 콜라겐 함량(단위: %)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	1.85±0.12	2.15±1.00
윗등심살	1.96±0.16	2.07±0.97
꽃등심살	1.80±0.20	2.09±1.06
아래등심살	1.83±0.15	1.95±0.83
살치살	2.16±0.20	2.18±0.99
채끝살	1.94±0.30	2.03±1.01
목심살	2.07±0.24	2.28±1.27
꾸리살	2.23±0.20	2.18±0.79
부채살	2.47±0.25	2.55±0.71
앞다리살	1.98±0.16	2.22±1.17
갈비덧살	2.20±0.25	2.32±1.11
부채덮개살	1.88±0.15	2.15±1.11
우둔살	1.72±0.12	2.15±1.04
홍두깨살	1.86±0.11	2.18±1.03
보섭살	1.83±0.16	2.23±1.45
설깃살	1.81±0.29	2.05±0.57
설깃머리살	1.95±0.12	2.06±0.94
도가니살	1.86±0.35	2.18±1.22
삼각살	2.04±0.30	2.18±0.79
양지머리	1.97±0.09	2.28±1.06
차돌박이	2.40±0.31	2.77±1.02
업진살	2.37±0.22	2.56±1.10
업진안살	2.08±0.38	2.13±0.91
치마양지	2.00±0.27	2.34±1.04
치마살	1.98±0.23	2.14±0.91
앞치마살	1.91±0.17	2.18±1.01
앞사태	2.22±0.28	2.62±1.21
뒷사태	2.40±0.35	2.69±1.13
뭉치사태	1.93±0.23	2.23±1.23
상박살	2.43±0.39	2.45±1.10
본갈비	2.29±0.18	2.33±0.98
꽃갈비	2.39±0.16	2.57±1.07
참갈비	2.48±0.22	2.53±1.07
토시살	1.80±0.45	1.70±0.79
안창살	1.91±0.33	1.83±1.12
제비추리	2.27±0.45	2.24±1.35

*평균±표준편차

표 258 육질 등급에 따른 한우 수소 소분할 부위(36개)의 육색 명도(L) 특성

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	40.07±5.28	38.10±4.13
윗등심살	40.77±4.90	37.24±4.45
꽃등심살	39.50±3.22	36.60±3.64
아래등심살	37.74±3.91	35.14±3.98
살치살	42.12±2.81	40.90±4.42
채끝살	37.83±3.88	34.82±3.45
목심살	39.95±4.57	37.52±3.74
꾸리살	38.39±3.32	36.76±3.63
부채살	39.68±3.39	35.84±3.08
앞다리살	37.97±2.48	36.13±3.06
갈비덧살	39.06±2.26	35.33±6.13
부채덮개살	42.48±3.57	38.66±3.51
우둔살	40.09±5.11	36.42±3.59
홍두깨살	43.80±3.20	40.52±4.16
보섭살	37.74±2.59	35.61±3.85
설깃살	39.85±1.91	36.78±3.61
설깃머리살	38.29±3.14	36.78±3.17
도가니살	39.33±4.16	35.80±3.60
삼각살	41.53±3.68	38.02±3.44
양지머리	38.10±1.66	36.21±3.98
차돌박이	44.53±9.87	38.95±7.57
업진살	40.41±5.14	37.49±3.60
업진안살	35.86±3.61	36.79±4.27
치마양지	38.30±4.69	36.48±3.88
치마살	36.38±1.79	35.61±4.12
앞치마살	39.93±3.80	37.82±3.99
앞사태	37.64±3.95	35.33±3.86
뒷사태	36.07±3.97	34.66±4.14
뭉치사태	35.14±2.95	33.37±2.46
상박살	38.12±3.33	36.25±4.19
본갈비	41.78±4.95	39.24±4.56
꽃갈비	42.08±5.17	37.14±5.00
참갈비	39.56±5.38	38.94±6.42
토시살	36.14±3.16	34.92±3.73
안창살	38.60±3.46	35.35±4.55
제비추리	34.30±4.30	32.41±4.38

*평균±표준편차

표 259 육질 등급에 따른 한우 수소 소분할 부위(36개)의 육색 적색도(a값)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	21.06±2.94	21.34±3.66
윗등심살	22.18±2.42	21.26±3.11
꽃등심살	22.01±1.60	20.14±3.28
아래등심살	19.93±1.88	18.32±2.91
살치살	24.61±2.70	23.65±2.27
채끝살	19.49±2.15	17.98±2.14
목심살	21.47±3.13	22.06±3.20
꾸리살	22.73±2.86	21.78±3.41
부채살	22.57±2.58	21.01±2.97
앞다리살	21.66±2.79	20.74±3.35
갈비덧살	21.48±2.46	20.57±3.22
부채덮개살	24.10±3.83	23.84±3.25
우둔살	24.32±4.86	21.56±4.21
홍두깨살	22.38±3.05	21.71±3.65
보섭살	22.22±1.52	20.85±3.20
설깃살	21.13±2.87	20.25±3.49
설깃머리살	20.44±1.06	20.00±2.94
도가니살	22.07±2.19	19.77±2.94
삼각살	22.57±2.09	21.13±3.81
양지머리	20.78±3.29	20.48±4.23
차돌박이	18.12±3.60	18.27±3.65
업진살	21.32±2.66	19.62±3.25
업진안살	20.48±2.25	19.18±2.81
치마양지	18.35±1.73	17.74±2.29
치마살	23.07±2.29	21.23±2.77
앞치마살	22.59±3.00	21.03±2.91
앞사태	22.21±2.71	20.49±3.19
뒷사태	19.49±2.23	19.44±3.28
뭉치사태	18.91±2.43	18.45±3.32
상박살	22.52±2.30	20.81±3.48
본갈비	21.99±3.09	21.14±3.02
꽃갈비	18.72±2.38	18.71±2.72
참갈비	19.99±3.55	17.84±3.25
토시살	22.80±1.64	21.74±3.19
안창살	21.90±3.45	20.60±2.66
제비추리	20.74±3.16	19.84±4.20

*평균±표준편차

표 260 육질 등급에 따른 한우 수소 소분할 부위(36개)의 육색 황색도(b값)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	9.75±1.85	9.67±2.20
윗등심살	11.01±1.92	10.11±1.94
꽃등심살	10.76±1.36	9.22±1.65
아래등심살	8.90±1.02	7.80±1.43
살치살	12.01±1.58	11.35±1.33
채끝살	8.95±1.43	7.67±1.04
목심살	10.61±2.31	10.22±1.98
꾸리살	10.13±1.56	9.47±1.83
부채살	10.15±1.27	9.26±1.73
앞다리살	9.94±2.06	8.91±1.86
갈비덧살	10.76±1.69	9.91±1.63
부채덮개살	11.80±2.51	11.04±2.00
우둔살	12.17±3.24	9.68±2.67
홍두깨살	12.94±2.06	11.17±2.26
보섭살	10.50±1.51	9.58±2.02
설깃살	10.40±2.06	9.03±2.09
설깃머리살	9.43±0.80	8.99±1.43
도가니살	10.16±1.30	8.31±2.15
삼각살	11.13±0.93	9.99±2.50
양지머리	9.80±2.01	9.31±2.38
차돌박이	8.84±1.78	7.99±1.86
업진살	10.58±1.72	9.21±1.70
업진안살	8.26±1.35	7.55±1.44
치마양지	7.40±1.27	6.99±1.41
치마살	10.53±1.04	9.65±1.60
앞치마살	11.35±1.86	10.45±1.94
앞사태	10.30±1.60	9.33±1.79
뒷사태	8.49±1.40	8.41±1.59
뭉치사태	8.39±2.08	7.78±1.84
상박살	10.05±1.29	9.15±2.06
본갈비	10.13±1.54	9.68±1.64
꽃갈비	7.94±1.64	7.83±1.57
참갈비	8.64±2.31	7.57±1.84
토시살	9.43±0.75	9.24±1.59
안창살	9.82±1.52	8.94±1.56
제비추리	8.62±1.75	8.67±2.26

*평균±표준편차

표 261 육질 등급에 따른 한우 수소 소분할 부위(36개)의 pH

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	5.60±0.19	5.56±0.08
윗등심살	5.81±0.27	5.62±0.12
꽃등심살	5.57±0.24	5.57±0.11
아래등심살	5.63±0.19	5.58±0.11
살치살	5.87±0.25	5.71±0.11
채끝살	5.52±0.32	5.57±0.11
목심살	5.80±0.24	5.61±0.12
꾸리살	5.75±0.20	5.70±0.15
부채살	5.76±0.24	5.73±0.12
앞다리살	5.65±0.23	5.55±0.11
갈비덧살	5.70±0.19	5.60±0.10
부채덮개살	5.85±0.21	5.67±0.12
우둔살	5.54±0.07	5.51±0.10
홍두깨살	5.57±0.15	5.52±0.10
보섭살	5.58±0.19	5.52±0.09
설깃살	5.66±0.24	5.53±0.10
설깃머리살	5.73±0.17	5.54±0.10
도가니살	5.64±0.16	5.55±0.12
삼각살	5.69±0.22	5.56±0.11
양지머리	5.79±0.23	5.61±0.11
차돌박이	5.87±0.35	5.78±0.21
업진살	5.86±0.26	5.71±0.15
업진안살	5.93±0.18	5.70±0.53
치마양지	5.77±0.22	5.65±0.14
치마살	5.86±0.21	5.73±0.12
앞치마살	5.77±0.30	5.69±0.16
앞사태	5.83±0.23	5.73±0.18
뒷사태	5.88±0.21	5.86±0.15
뭉치사태	5.72±0.18	5.58±0.11
상박살	5.74±0.19	5.75±0.16
본갈비	6.03±0.22	5.77±0.09
꽃갈비	6.22±0.32	5.93±0.19
참갈비	5.92±0.14	5.74±0.16
토시살	5.91±0.12	5.77±0.13
안창살	6.09±0.24	5.90±0.20
제비추리	5.86±0.25	5.79±0.11

*평균±표준편차

표 262 육질 등급에 따른 한우 수소 소분할 부위(36개)의 가열감량(단위: %)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	27.77±2.99	30.16±2.26
윗등심살	23.99±4.64	27.78±3.74
꽃등심살	28.10±3.96	29.60±3.89
아래등심살	25.16±2.03	27.76±3.01
살치살	28.22±5.40	33.16±3.66
채끝살	24.81±2.65	27.94±2.83
목심살	28.99±3.34	33.25±2.87
꾸리살	35.25±4.88	36.69±2.26
부채살	27.36±4.19	31.13±2.41
앞다리살	28.68±3.48	33.50±2.48
갈비덧살	30.51±3.91	31.63±3.17
부채덮개살	31.66±4.99	33.18±2.54
우둔살	33.11±3.44	34.40±2.39
홍두깨살	34.18±2.58	36.20±2.27
보섭살	28.97±4.75	32.19±2.09
설깃살	31.10±2.38	35.67±3.23
설깃머리살	29.93±3.95	35.15±2.26
도가니살	33.34±3.22	35.66±1.49
삼각살	27.87±2.32	28.08±5.57
양지머리	31.90±2.62	33.31±2.21
차돌박이	19.10±3.75	24.69±7.33
업진살	28.22±3.82	32.15±2.80
치마살	26.61±1.95	30.40±3.08
앞치마살	29.98±3.15	30.48±6.13
앞사태	29.93±6.16	31.56±3.02
뒷사태	26.01±4.01	30.66±7.91
뭉치사태	28.23±1.77	29.54±2.25
상박살	28.77±2.20	31.30±1.44
본갈비	29.13±2.46	30.56±3.16
꽃갈비	25.42±2.66	30.02±3.78
참갈비	22.03±4.57	23.67±2.68
토시살	30.54±3.08	31.17±3.35
안창살	36.27±2.40	34.15±5.98

*평균±표준편차

표 263 육질 등급에 따른 한우 수소 소분할 부위(36개)의 보수력(단위: %)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	62.27±1.43	57.81±6.40
윗등심살	58.93±3.77	56.17±4.69
꽃등심살	59.04±2.52	53.98±8.99
아래등심살	61.89±6.88	56.52±8.94
살치살	57.28±5.00	54.25±11.10
채끝살	58.98±3.37	54.39±4.90
목심살	55.37±2.02	51.23±12.88
꾸리살	56.27±6.14	52.61±4.74
부채살	55.65±4.58	52.62±6.07
앞다리살	58.49±3.40	52.22±4.28
갈비덧살	60.38±6.43	52.79±4.53
부채덮개살	62.88±3.29	54.87±4.91
우둔살	59.14±3.13	52.73±6.25
홍두깨살	57.60±2.73	51.25±4.84
보섭살	59.58±4.35	51.60±4.93
설깃살	55.92±2.54	52.07±4.19
설깃머리살	56.32±3.02	52.62±5.43
도가니살	58.18±3.54	53.10±6.51
삼각살	59.03±4.17	53.95±5.54
양지머리	56.65±3.44	52.03±5.33
차돌박이	57.31±4.02	54.42±4.40
업진살	54.26±3.72	50.67±4.96
업진안살	56.93±2.42	51.97±4.33
치마양지	55.15±3.32	53.54±6.18
치마살	55.43±5.19	51.18±7.03
앞치마살	58.98±3.99	52.53±4.57
앞사태	56.32±4.90	53.35±4.49
뒷사태	56.80±4.61	52.11±5.86
뭉치사태	58.37±1.75	53.26±5.38
상박살	57.19±3.99	52.98±5.74
본갈비	54.50±5.40	51.40±6.00
꽃갈비	52.23±3.91	53.89±5.86
참갈비	54.45±5.20	52.60±3.91
토시살	57.37±6.24	52.95±5.47
안창살	59.04±4.25	53.12±4.04
제비추리	59.68±2.65	50.26±5.56

*평균±표준편차

표 264 육질 등급에 따른 한우 수소 소분할 부위(33개)의 전단력가(단위: kg/cm^2)

소분할 부위	육질등급	
	2	3
조사두수	5	14
안심살	3.33±0.73	3.35±0.69
윗등심살	3.75±1.15	4.75±1.31
꽃등심살	4.70±0.66	6.14±1.44
아래등심살	6.80±2.21	7.45±1.57
살치살	2.83±0.70	3.46±0.69
채끝살	6.37±2.53	8.14±2.04
목심살	4.83±0.55	6.04±0.86
꾸리살	5.85±1.66	5.70±0.85
부채살	3.63±0.73	4.59±0.85
앞다리살	4.63±0.49	5.21±0.87
갈비덧살	4.91±0.68	5.35±0.58
부채덮개살	4.44±0.63	4.87±0.74
우둔살	6.65±1.04	7.05±1.29
홍두깨살	5.58±0.99	5.91±0.91
보섭살	6.11±1.18	6.62±1.31
설깃살	6.25±0.98	6.61±1.35
설깃머리살	6.19±1.54	6.04±1.47
도가니살	5.82±1.58	6.66±1.39
삼각살	4.88±0.57	5.25±0.71
양지머리	4.71±0.84	5.46±0.98
차돌박이	5.17±0.85	7.28±3.23
업진살	4.57±0.65	5.85±0.97
치마살	4.13±0.74	5.62±1.37
앞치마살	4.70±0.62	5.94±0.95
앞사태	5.93±0.97	6.58±1.03
뒷사태	4.56±0.83	4.98±1.13
뭉치사태	5.48±1.07	5.95±0.96
상박살	3.88±0.63	4.76±0.77
본갈비	3.20±0.80	3.75±0.73
꽃갈비	3.28±0.49	4.07±0.98
참갈비	4.76±1.14	5.40±1.33
토시살	3.89±0.64	3.98±0.82
안창살	3.01±0.43	3.67±0.74

*평균±표준편차

표 265 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 수분 함량(단위: %)

소분할 부위	육질등급			
	1++	1+	1	2
조사두수	7	8	11	6
안심살	63.82±2.67	64.14±1.56	66.86±1.65	67.20±2.02
윗등심살	54.95±4.74	55.41±3.85	60.93±2.70	64.25±2.96
꽃등심살	55.77±2.59	60.54±2.91	62.49±2.80	64.92±3.06
아래등심살	56.48±2.74	61.12±1.95	62.57±2.71	65.87±2.22
살치살	50.64±5.52	51.79±3.71	54.06±4.23	56.17±2.96
채끝살	54.84±2.44	57.98±2.42	60.58±2.21	63.71±2.44
목심살	60.22±2.80	57.44±5.68	65.12±2.51	65.53±6.62
꾸리살	65.19±2.25	65.59±3.11	68.50±1.78	67.74±2.40
부채살	56.07±5.45	57.05±3.38	60.46±3.25	64.81±5.49
앞다리살	63.19±3.58	62.41±2.66	65.64±2.59	68.08±2.31
갈비덧살	60.29±3.91	60.42±3.48	64.59±3.50	64.38±5.05
부채덮개살	68.65±2.03	68.21±2.99	71.98±1.15	69.91±2.24
우둔살	63.21±2.56	63.65±4.04	66.41±2.54	67.10±1.86
홍두깨살	66.34±2.15	65.00±3.26	69.12±1.46	68.38±4.12
보섭살	64.95±3.38	66.36±2.48	67.49±1.54	68.41±1.98
설깃살	59.56±5.40	61.45±4.73	62.54±2.34	65.34±4.22
설깃머리살	60.89±3.93	59.79±2.93	63.46±2.49	64.85±3.12
도가니살	65.42±3.97	65.28±2.91	67.91±2.12	68.11±2.95
삼각살	57.16±3.34	56.93±3.32	61.89±4.34	63.88±4.75
양지머리	64.37±1.98	63.65±4.32	67.48±1.48	67.06±2.57
차돌박이	49.26±6.79	46.45±5.54	53.51±6.12	53.18±9.86
업진살	43.76±6.44	44.28±5.19	49.42±4.95	57.54±8.09
업진안살	56.50±3.81	52.56±2.74	59.02±2.59	63.35±2.49
치마양지	61.87±4.71	58.17±5.47	64.38±3.85	67.16±3.18
치마살	59.02±4.27	57.97±2.79	61.33±2.29	63.00±3.02
앞치마살	59.10±5.95	57.90±3.93	62.97±1.14	64.23±2.26
앞사태	69.96±2.66	71.30±2.41	72.47±2.09	72.05±1.95
뒷사태	67.61±2.71	66.75±3.81	69.33±2.79	68.90±1.28
뭉치사태	68.95±2.12	68.91±2.04	70.71±1.47	70.74±2.29
상박살	64.22±2.31	63.48±4.75	66.38±2.13	68.17±3.10
본갈비	49.02±4.12	48.76±3.06	52.14±3.72	55.96±3.34
꽃갈비	46.56±4.49	46.92±5.31	50.33±3.85	53.09±6.64
참갈비	46.86±2.26	48.40±5.51	52.97±2.79	54.20±2.75
토시살	58.38±3.73	57.97±1.90	61.61±2.44	63.24±1.53
안창살	53.69±3.01	51.61±3.42	57.91±4.50	58.94±4.57
제비추리	65.40±2.64	65.62±3.98	68.33±1.54	69.05±2.17

*평균±표준편차

표 266 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 지방 함량(단위: %)

소분할 부위	육질등급			
	1++	1+	1	2
조사두수	7	8	11	6
안심살	13.13±3.23	13.26±1.88	10.45±2.27	8.78±3.36
윗등심살	23.51±6.63	24.13±6.12	17.77±2.48	12.14±3.63
꽃등심살	22.96±4.88	17.83±3.68	14.96±3.50	11.37±3.99
아래등심살	20.62±5.44	16.37±2.63	14.31±2.96	9.75±3.28
살치살	30.27±7.05	29.36±4.94	25.65±5.25	21.19±3.65
채끝살	22.51±4.63	19.88±3.05	16.03±2.50	11.62±3.69
목심살	16.15±4.91	20.71±7.36	11.45±2.63	10.40±7.06
꾸리살	10.05±2.95	11.38±2.89	8.15±1.92	7.33±2.76
부채살	22.17±6.47	21.87±4.03	17.29±3.38	11.50±6.88
앞다리살	11.17±2.99	13.41±3.16	10.09±3.25	6.23±3.19
갈비덧살	15.89±5.35	16.40±4.01	11.77±3.41	10.97±5.30
부채덮개살	7.77±2.53	8.97±2.55	5.68±1.43	5.85±3.06
우둔살	10.98±2.34	12.17±4.22	9.11±3.00	7.19±3.52
홍두깨살	9.00±2.25	12.46±4.29	7.03±2.05	7.30±4.47
보섭살	9.01±3.28	8.73±1.84	7.33±1.81	4.81±3.19
설깃살	16.07±7.05	14.23±5.18	12.63±3.35	8.44±5.72
설깃머리살	13.38±4.76	16.09±3.68	12.24±2.54	9.09±4.66
도가니살	10.38±3.16	12.01±2.88	9.10±2.77	6.41±2.91
삼각살	19.91±4.84	21.91±4.68	16.82±5.13	12.28±6.94
양지머리	11.46±3.44	12.65±5.63	9.30±1.31	7.49±2.81
차돌박이	33.21±10.87	38.05±8.73	27.95±9.38	27.35±12.19
업진살	41.08±10.17	41.70±8.74	33.19±7.61	22.22±12.53
업진안살	22.05±3.90	29.13±4.09	19.22±2.98	12.78±2.57
치마양지	15.01±6.30	20.44±7.04	13.11±5.13	8.57±5.09
치마살	18.12±4.82	19.91±3.68	16.40±2.38	13.12±3.84
앞치마살	18.98±8.30	21.25±5.94	14.99±2.57	12.77±4.03
앞사태	4.56±1.63	4.74±2.26	3.67±1.70	2.87±1.63
뒷사태	7.33±3.13	8.64±3.61	7.26±3.17	6.14±2.31
뭉치사태	4.53±2.17	5.13±1.59	3.84±1.02	2.92±1.23
상박살	10.59±3.65	13.61±5.14	10.22±2.11	6.74±4.52
본갈비	31.85±7.13	34.55±5.08	28.60±5.34	21.85±3.85
꽃갈비	36.00±8.33	37.32±7.10	31.97±5.60	27.34±9.01
참갈비	35.39±4.98	34.33±9.02	27.33±4.62	25.95±4.83
토시살	18.60±4.11	20.58±1.54	16.26±3.01	13.02±3.15
안창살	25.06±3.57	29.49±4.11	21.13±6.29	18.46±7.47
제비추리	9.57±2.28	11.28±3.92	8.81±1.08	6.88±2.16

*평균±표준편차

표 267 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 단백질 함량(단위: %)

소분할 부위	육질등급			
	1^{++}	1^{+}	1	2
조사두수	7	8	11	6
안심살	21.02±1.83	19.19±0.54	19.43±0.65	20.49±2.42
윗등심살	18.06±1.90	16.50±1.12	18.00±0.86	19.62±2.18
꽃등심살	18.91±2.22	18.70±1.04	19.35±1.16	20.39±2.45
아래등심살	19.54±2.75	19.20±1.00	19.40±0.82	20.96±2.32
살치살	15.88±1.66	14.32±1.60	15.67±1.44	16.72±2.63
채끝살	18.55±2.18	17.62±1.31	18.81±0.87	20.31±2.28
목심살	19.70±2.38	16.76±2.16	18.92±0.82	19.80±0.89
꾸리살	20.34±2.57	17.99±1.37	18.95±0.77	19.89±2.01
부채살	17.33±1.74	16.08±1.30	17.41±1.18	19.48±1.55
앞다리살	20.48±1.80	18.77±0.87	19.20±0.99	20.97±2.14
갈비덧살	20.13±2.74	18.31±1.23	19.11±1.07	19.88±1.54
부채덮개살	21.38±2.23	19.37±1.10	19.83±0.59	21.19±2.08
우둔살	21.45±1.92	19.59±1.31	20.09±0.77	21.16±1.95
홍두깨살	21.66±2.53	18.98±0.74	20.17±0.58	21.07±2.48
보섭살	21.80±2.44	20.04±0.67	20.02±0.66	21.80±2.08
설깃살	19.47±2.06	18.03±1.12	18.66±0.92	20.24±2.14
설깃머리살	19.29±2.58	17.31±1.31	18.11±0.96	19.49±2.48
도가니살	20.82±1.79	18.83±1.16	19.34±0.76	21.03±1.69
삼각살	18.89±2.03	16.64±0.94	17.80±1.16	19.88±2.77
양지머리	20.31±2.28	18.50±1.23	19.08±0.63	19.86±1.83
차돌박이	13.93±3.05	11.14±3.38	14.50±2.26	14.17±5.08
업진살	12.52±2.44	11.06±2.01	13.95±1.74	16.27±3.49
업진안살	18.28±1.52	14.97±1.37	17.53±0.91	19.45±2.53
치마양지	19.56±1.47	16.94±1.78	18.83±0.90	20.59±2.06
치마살	18.43±1.92	16.45±1.00	17.38±0.95	18.64±3.29
앞치마살	18.96±3.09	16.97±1.79	18.31±0.70	19.41±2.26
앞사태	21.54±1.96	19.57±0.85	19.69±0.47	20.87±2.11
뒷사태	22.13±3.66	18.94±1.51	19.22±0.97	19.86±2.53
뭉치사태	22.58±2.55	20.46±0.73	20.62±0.56	22.08±2.01
상박살	20.77±2.66	18.34±1.40	18.97±0.77	19.95±2.80
본갈비	14.96±2.82	13.00±1.36	14.83±1.30	16.36±1.96
꽃갈비	13.65±2.86	12.03±2.11	13.67±1.28	14.97±3.38
참갈비	14.85±2.37	13.41±2.05	15.70±0.97	16.08±1.88
토시살	18.23±2.00	15.72±0.84	17.52±1.23	19.10±3.21
안창살	16.39±1.33	13.60±1.38	16.62±1.30	17.81±3.46
제비추리	21.42±2.27	18.71±1.21	19.54±0.76	20.47±2.44

*평균±표준편차

표 268 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 콜라겐 함량(단위: %)

소분할 부위	육질등급			
	1++	1+	1	2
조사두수	7	8	11	6
안심살	2.49±1.11	2.50±1.41	1.78±0.24	2.75±1.31
윗등심살	2.65±1.41	2.56±1.10	2.07±0.29	2.82±1.43
꽃등심살	2.55±0.89	2.35±1.37	1.81±0.29	2.60±1.39
아래등심살	2.73±0.85	2.53±1.59	1.84±0.26	2.58±1.38
살치살	2.32±0.73	2.70±1.05	1.75±0.37	2.66±1.40
채끝살	2.50±0.96	2.48±1.26	1.99±0.19	2.79±1.42
목심살	2.47±0.78	2.74±1.00	2.10±0.20	2.66±1.51
꾸리살	2.63±0.91	2.53±0.84	1.92±0.26	2.77±1.48
부채살	2.78±0.89	2.98±0.99	2.43±0.45	3.09±1.35
앞다리살	2.51±0.88	2.55±1.21	1.84±0.16	2.81±1.53
갈비덧살	2.96±1.04	2.78±1.19	2.20±0.18	3.06±1.57
부채덮개살	3.07±1.38	2.44±1.33	1.81±0.27	2.88±1.49
우둔살	2.35±1.10	2.31±1.17	1.71±0.21	2.81±1.53
홍두깨살	2.85±1.21	2.48±1.24	1.93±0.17	2.93±1.66
보섭살	2.46±1.14	2.34±1.33	1.78±0.14	2.52±1.33
설깃살	2.70±1.17	2.37±1.29	1.97±0.12	2.82±1.54
설깃머리살	2.41±0.68	2.59±1.37	1.85±0.22	2.71±1.44
도가니살	2.63±1.26	2.40±1.21	1.87±0.22	2.76±1.62
삼각살	3.12±1.10	2.82±1.24	2.04±0.31	3.16±1.48
양지머리	2.73±0.97	2.63±1.34	1.98±0.24	2.97±1.53
차돌박이	3.46±1.19	2.76±0.89	2.51±0.25	3.72±1.71
업진살	2.82±0.69	2.80±1.10	2.19±0.27	3.13±1.05
업진안살	2.74±1.11	2.60±1.19	1.87±0.28	2.74±1.30
치마양지	2.91±1.19	2.67±1.16	2.12±0.27	3.07±1.36
치마살	2.61±0.96	2.57±1.28	1.94±0.24	2.69±1.37
앞치마살	3.09±1.14	2.87±1.42	2.11±0.24	2.87±1.39
앞사태	2.92±1.28	2.71±1.38	2.19±0.30	2.87±1.44
뒷사태	3.81±1.56	2.90±1.29	2.37±0.33	3.09±1.32
뭉치사태	2.46±0.96	2.40±1.50	1.74±0.19	2.78±1.69
상박살	3.07±1.15	2.89±1.29	2.34±0.30	3.10±1.48
본갈비	2.77±0.86	2.79±1.17	1.99±0.36	2.89±1.36
꽃갈비	3.14±1.25	2.74±1.20	2.26±0.24	3.25±1.57
참갈비	3.06±1.22	2.78±1.13	2.17±0.35	3.31±1.32
토시살	2.48±1.05	2.37±1.25	1.63±0.31	2.62±1.75
안창살	2.47±1.11	2.45±1.27	1.68±0.28	2.23±1.05
제비추리	2.57±1.13	2.54±1.47	1.92±0.21	2.70±1.54

*평균±표준편차

표 269 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 육색 백색도(L값)

소분할 부위	육질등급			
	1^{++}	1^{+}	1	2
조사두수	7	8	11	6
안심살	38.82±4.47	38.60±3.48	37.98±4.74	36.94±4.27
윗등심살	41.43±5.79	41.86±6.45	39.98±5.70	36.57±4.05
꽃등심살	43.56±5.39	42.80±4.61	40.02±4.17	38.81±3.48
아래등심살	41.29±4.66	40.88±3.87	37.61±2.96	36.90±4.82
살치살	43.20±3.74	47.53±3.89	41.05±4.40	41.39±5.56
채끝살	40.33±2.91	39.83±3.95	37.86±3.83	36.76±3.94
목심살	38.57±4.43	40.08±3.35	37.06±4.22	39.34±5.18
꾸리살	37.23±3.73	38.65±3.29	37.65±3.34	38.18±4.05
부채살	39.85±4.74	40.94±4.40	39.07±3.59	36.27±4.13
앞다리살	36.56±3.36	38.02±3.96	36.88±3.35	37.00±3.69
갈비덧살	37.48±2.84	40.55±3.34	37.60±3.39	37.65±4.29
부채덮개살	39.85±3.53	41.17±4.76	39.65±3.40	40.31±4.64
우둔살	37.49±4.20	39.17±4.53	37.10±4.45	36.44±3.21
홍두깨살	40.00±2.34	42.36±3.02	39.12±3.22	41.55±4.31
보섭살	36.35±3.59	36.18±2.44	35.64±2.89	37.18±4.52
설깃살	39.47±5.51	39.04±4.69	38.68±4.15	38.16±4.69
설깃머리살	37.62±3.86	37.96±3.82	36.10±3.11	36.61±3.63
도가니살	39.79±2.73	38.04±2.87	37.94±4.06	37.58±3.69
삼각살	42.49±7.06	42.31±4.20	39.91±3.73	38.16±4.79
양지머리	38.26±3.72	39.56±3.55	37.09±3.65	36.70±3.67
차돌박이	43.64±5.64	45.92±7.07	42.82±6.67	45.73±7.86
업진살	43.23±6.49	45.99±3.91	43.47±4.38	39.62±6.26
업진안살	38.01±5.89	41.41±4.14	39.15±4.08	37.57±4.16
치마양지	39.14±5.06	38.57±3.78	37.30±4.21	36.80±3.20
치마살	39.15±4.37	41.02±3.33	38.47±5.78	35.49±5.08
앞치마살	40.72±6.36	41.82±4.29	38.39±4.85	36.36±4.99
앞사태	35.34±4.16	37.57±3.57	35.60±2.86	35.18±3.07
뒷사태	36.01±5.62	37.17±3.98	35.02±4.22	36.25±4.33
뭉치사태	35.47±4.90	34.88±3.75	33.90±3.96	34.20±2.91
상박살	38.53±5.03	40.79±5.56	37.48±3.02	36.03±3.87
본갈비	43.59±4.71	43.71±4.02	41.77±4.54	39.38±5.21
꽃갈비	46.66±7.44	49.20±4.35	46.76±5.13	39.97±5.89
참갈비	47.06±9.03	46.71±7.94	42.23±7.11	36.65±4.25
토시살	36.97±4.22	37.47±3.66	34.34±3.60	35.67±6.82
안창살	43.11±6.23	41.96±4.53	42.95±6.60	38.28±6.30
제비추리	34.17±3.29	34.92±4.27	34.48±5.66	36.77±4.61

*평균±표준편차

표 270 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 육색 적색도(a값)

소분할 부위	육질등급			
	1^{++}	1^{+}	1	2
조사두수	7	8	11	6
안심살	22.05±3.48	21.22±2.59	20.30±3.26	20.06±3.18
윗등심살	20.38±3.36	19.57±2.83	20.48±2.43	20.96±3.25
꽃등심살	21.68±3.45	21.56±2.48	21.08±3.15	22.30±2.39
아래등심살	20.67±3.04	19.30±2.53	19.29±2.58	20.02±3.16
살치살	21.23±1.77	19.55±3.58	20.61±2.45	22.13±4.70
채끝살	20.14±2.84	18.48±2.01	18.91±2.50	19.80±2.90
목심살	21.63±3.61	21.05±1.98	19.26±2.64	23.45±4.74
꾸리살	22.56±2.11	21.70±2.58	21.01±2.03	22.05±3.49
부채살	21.05±2.10	21.48±2.46	20.77±2.20	20.60±3.26
앞다리살	22.83±3.15	21.04±2.92	20.60±2.71	21.48±2.64
갈비덧살	23.43±3.11	21.63±2.31	21.14±2.41	21.52±2.48
부채덮개살	25.42±2.50	24.30±2.38	23.44±2.99	23.69±3.40
우둔살	22.68±3.42	20.90±2.88	21.45±4.40	21.75±2.89
홍두깨살	23.60±2.85	22.71±3.16	21.60±3.20	23.88±3.29
보섭살	23.36±3.24	20.86±2.95	20.84±2.17	21.83±1.91
설깃살	21.27±4.59	21.32±4.14	20.34±3.15	20.63±3.98
설깃머리살	21.10±1.78	20.03±2.40	19.14±2.01	20.85±3.11
도가니살	24.06±2.86	19.98±2.66	20.93±3.42	20.93±2.98
삼각살	22.95±2.89	20.71±2.12	21.73±2.70	22.17±2.28
양지머리	22.74±3.52	22.75±3.90	19.73±2.92	21.54±2.54
차돌박이	21.04±3.65	17.84±3.41	18.41±3.29	19.89±4.27
업진살	20.31±3.16	19.35±3.39	17.83±3.18	19.89±2.79
업진안살	20.56±3.16	19.64±2.95	18.63±2.78	19.00±3.20
치마양지	21.03±4.05	20.28±3.01	19.49±3.23	18.98±2.77
치마살	20.87±2.73	20.07±2.11	19.94±1.91	20.43±3.90
앞치마살	20.10±2.76	20.42±3.64	19.27±2.75	21.07±4.23
앞사태	20.16±2.17	20.53±3.06	20.83±2.86	20.93±3.57
뒷사태	20.08±3.14	19.55±2.22	19.38±2.58	20.50±4.71
뭉치사태	20.76±5.33	19.53±3.94	19.57±3.78	20.48±3.39
상박살	22.07±2.74	21.40±2.45	21.08±2.54	20.94±3.14
본갈비	20.74±2.54	19.79±2.16	19.89±2.99	20.85±2.06
꽃갈비	18.48±2.51	16.98±2.94	16.53±2.52	17.81±2.73
참갈비	16.61±3.86	17.28±4.91	16.72±3.47	20.16±4.53
토시살	22.24±1.61	22.22±1.89	20.72±2.66	21.07±3.00
안창살	18.04±3.05	19.41±2.63	17.24±2.71	20.15±3.14
제비추리	21.85±2.78	21.38±3.05	19.53±3.37	22.13±3.74

*평균±표준편차

표 271 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 육색 황색도(b값)

소분할 부위	육질등급			
	1++	1+	1	2
조사두수	7	8	11	6
안심살	10.69±2.17	9.71±1.62	9.43±1.97	8.96±1.77
윗등심살	10.35±1.99	9.58±1.50	10.41±1.69	9.91±1.68
꽃등심살	11.74±1.78	11.11±1.53	10.67±1.89	10.93±1.22
아래등심살	10.59±1.65	9.38±1.18	9.10±1.63	9.18±1.78
살치살	10.90±1.32	10.02±1.92	9.92±1.33	10.67±2.76
채끝살	10.17±1.38	8.74±0.95	9.04±1.41	9.21±1.51
목심살	10.79±2.00	10.17±1.06	8.65±1.59	11.27±2.83
꾸리살	10.45±1.30	10.01±1.44	9.49±1.20	10.25±1.79
부채살	9.86±1.61	9.99±1.34	9.91±1.55	9.03±1.77
앞다리살	10.71±2.00	9.62±1.71	9.31±1.61	9.83±1.23
갈비덧살	11.92±1.94	10.74±1.22	10.12±1.42	10.43±1.66
부채덮개살	12.73±1.68	11.98±1.67	11.04±2.13	11.50±2.06
우둔살	11.09±2.17	9.90±1.62	10.05±2.84	10.15±1.80
홍두깨살	12.76±1.74	12.13±1.96	11.22±2.28	12.75±2.16
보섭살	11.47±2.15	9.47±1.61	9.39±1.36	10.38±1.02
설깃살	10.41±2.87	10.13±2.45	9.75±2.06	9.66±2.33
설깃머리살	9.85±1.15	9.10±1.18	8.65±1.07	9.35±1.80
도가니살	12.02±1.90	9.03±1.62	9.62±2.24	9.42±1.80
삼각살	12.02±1.91	10.34±1.48	10.57±1.58	10.56±1.48
양지머리	11.13±1.80	11.23±2.23	9.02±1.72	10.11±1.58
차돌박이	10.60±1.98	8.77±1.69	8.74±1.88	9.71±1.66
업진살	10.21±1.86	9.40±1.87	8.56±1.80	9.43±1.99
업진안살	9.37±1.37	8.68±1.59	8.09±1.57	8.32±1.80
치마양지	10.02±1.39	8.41±1.72	8.25±1.94	7.90±1.81
치마살	10.17±1.52	9.39±1.08	9.36±1.29	9.07±2.42
앞치마살	10.24±1.25	10.57±2.13	9.27±1.63	10.22±2.55
앞사태	8.99±1.59	9.22±1.64	9.24±1.94	9.21±1.98
뒷사태	9.37±2.00	8.59±1.37	8.61±1.56	9.22±1.75
뭉치사태	9.54±3.47	8.43±2.00	8.63±1.94	8.87±1.60
상박살	10.38±1.88	10.13±1.15	9.80±1.63	9.44±2.07
본갈비	10.18±1.32	9.19±1.04	9.52±1.75	9.47±1.25
꽃갈비	8.97±1.70	7.88±1.54	7.59±1.33	7.44±1.43
참갈비	8.39±1.53	8.26±2.46	7.71±2.25	8.67±2.76
토시살	10.51±1.08	9.86±1.14	9.10±1.67	9.48±2.21
안창살	9.04±1.73	9.45±1.59	8.67±1.31	9.25±1.60
제비추리	9.85±1.70	9.70±1.78	8.67±1.79	9.98±2.25

*평균±표준편차

표 272 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 pH

소분할 부위	육질등급			
	1^{++}	1^{+}	1	2
조사두수	7	8	11	6
안심살	5.60±0.09	5.57±0.08	5.53±0.09	5.66±0.25
윗등심살	5.68±0.16	5.70±0.16	5.64±0.14	5.84±0.38
꽃등심살	5.56±0.12	5.53±0.06	5.53±0.09	5.70±0.34
아래등심살	5.57±0.13	5.54±0.07	5.52±0.09	5.67±0.27
살치살	5.79±0.10	5.78±0.15	5.78±0.15	5.89±0.37
채끝살	5.60±0.11	5.52±0.11	5.51±0.13	5.65±0.27
목심살	5.69±0.17	5.66±0.09	5.70±0.17	5.82±0.38
꾸리살	5.67±0.14	5.64±0.10	5.60±0.14	5.81±0.30
부채살	5.81±0.13	5.72±0.12	5.74±0.14	5.93±0.31
앞다리살	5.64±0.17	5.60±0.10	5.59±0.22	5.73±0.29
갈비덧살	5.60±0.09	5.61±0.14	5.67±0.25	5.72±0.27
부채덮개살	5.73±0.11	5.70±0.07	5.72±0.15	5.88±0.30
우둔살	5.54±0.09	5.52±0.03	5.51±0.09	5.65±0.22
홍두깨살	5.59±0.09	5.55±0.09	5.57±0.15	5.70±0.25
보섭살	5.51±0.09	5.50±0.06	5.51±0.08	5.65±0.29
설깃살	5.55±0.10	5.55±0.08	5.52±0.10	5.60±0.20
설깃머리살	5.58±0.13	5.53±0.09	5.55±0.10	5.67±0.24
도가니살	5.61±0.18	5.61±0.11	5.56±0.09	5.73±0.32
삼각살	5.59±0.12	5.55±0.07	5.55±0.08	5.75±0.34
양지머리	5.59±0.12	5.58±0.08	5.60±0.15	5.76±0.25
차돌박이	5.79±0.21	5.85±0.14	5.76±0.20	5.92±0.27
업진살	5.76±0.13	5.74±0.10	5.79±0.15	5.88±0.34
업진안살	5.85±0.17	5.73±0.08	5.77±0.17	5.93±0.38
치마양지	5.75±0.14	5.71±0.10	5.71±0.12	5.87±0.24
치마살	5.91±0.15	5.74±0.13	5.84±0.22	5.95±0.32
앞치마살	5.90±0.14	5.77±0.10	5.76±0.17	6.00±0.34
앞사태	5.73±0.20	5.74±0.06	5.76±0.15	5.91±0.40
뒷사태	5.83±0.21	5.86±0.15	5.89±0.14	6.09±0.34
뭉치사태	5.69±0.14	5.61±0.10	5.60±0.10	5.78±0.33
상박살	5.76±0.15	5.75±0.07	5.77±0.16	5.95±0.35
본갈비	5.93±0.20	5.79±0.14	5.78±0.15	5.93±0.27
꽃갈비	5.97±0.20	5.81±0.13	5.94±0.15	6.06±0.32
참갈비	5.84±0.15	5.73±0.12	5.80±0.19	5.91±0.38
토시살	5.80±0.21	5.79±0.16	5.85±0.18	6.01±0.37
안창살	5.94±0.23	5.93±0.13	5.91±0.23	6.06±0.35
제비추리	5.87±0.29	5.70±0.09	5.78±0.18	6.03±0.30

*평균±표준편차

표 273 육질 등급에 따른 한우 거세우 소분할 부위(33개)의 가열감량(단위: %)

소분할 부위	육질등급			
	1^{++}	1^{+}	1	2
조사두수	7	8	11	6
안심살	25.88±4.06	26.54±2.61	26.86±1.69	28.18±2.51
윗등심살	21.26±3.36	20.90±2.58	23.34±2.92	23.03±3.57
꽃등심살	22.26±4.02	26.02±2.30	25.47±3.40	27.93±3.88
아래등심살	22.57±4.13	24.74±3.48	23.84±4.59	25.71±4.24
살치살	19.32±2.90	21.15±2.66	23.21±3.59	24.33±4.33
채끝살	20.04±2.00	21.60±3.28	22.32±4.08	24.29±2.32
목심살	26.99±4.37	24.50±2.85	25.47±2.35	25.85±4.36
꾸리살	31.10±2.52	31.01±3.40	32.39±2.77	33.04±2.13
부채살	23.93±6.95	23.60±2.49	25.26±2.96	27.40±3.54
앞다리살	28.84±3.26	28.98±3.18	29.52±3.27	31.21±2.48
갈비덧살	24.90±4.16	23.79±2.98	25.31±3.71	26.31±3.21
부채덮개살	27.42±6.34	29.88±2.38	30.33±2.60	30.20±3.58
우둔살	29.20±3.08	27.92±4.07	30.21±4.56	28.47±4.10
홍두깨살	31.09±2.30	29.79±3.61	31.08±3.62	32.04±1.69
보섭살	28.73±2.52	28.97±3.03	30.27±2.90	30.50±3.11
설깃살	25.68±4.28	27.18±3.86	28.50±2.69	29.36±4.78
설깃머리살	28.45±2.76	28.09±2.83	28.51±3.48	30.31±2.83
도가니살	31.66±3.62	30.24±2.24	30.21±3.24	32.49±3.71
삼각살	20.96±3.18	22.45±1.95	24.69±2.78	26.45±3.90
양지머리	27.73±3.57	28.29±2.54	29.75±2.05	29.77±3.12
차돌박이	14.53±3.64	15.51±3.75	17.25±5.41	17.54±7.02
업진살	22.71±5.44	20.76±3.78	22.66±3.49	26.86±5.87
치마살	23.14±4.04	23.86±3.62	23.85±3.47	26.97±2.74
앞치마살	25.49±2.77	26.63±2.43	26.94±2.58	27.44±2.99
앞사태	29.20±3.12	30.03±3.48	28.90±4.79	30.44±1.95
뒷사태	25.14±1.64	24.74±1.96	25.23±2.21	24.92±3.70
뭉치사태	27.72±1.93	27.29±2.62	28.31±6.15	26.39±1.89
상박살	30.87±10.14	26.31±2.72	26.11±6.16	28.30±3.84
본갈비	19.71±2.87	21.72±2.62	22.98±1.88	24.67±5.66
꽃갈비	17.24±2.65	17.94±4.30	19.71±2.06	23.07±4.77
참갈비	15.32±2.60	15.68±3.36	17.40±3.66	18.08±3.42
토시살	26.89±3.20	27.47±3.25	26.71±4.09	28.42±5.60
안창살	24.42±3.61	26.96±2.72	28.38±3.16	29.89±4.50

*평균±표준편차

표 274 육질 등급에 따른 한우 거세우 소분할 부위(36개)의 보수력(단위: %)

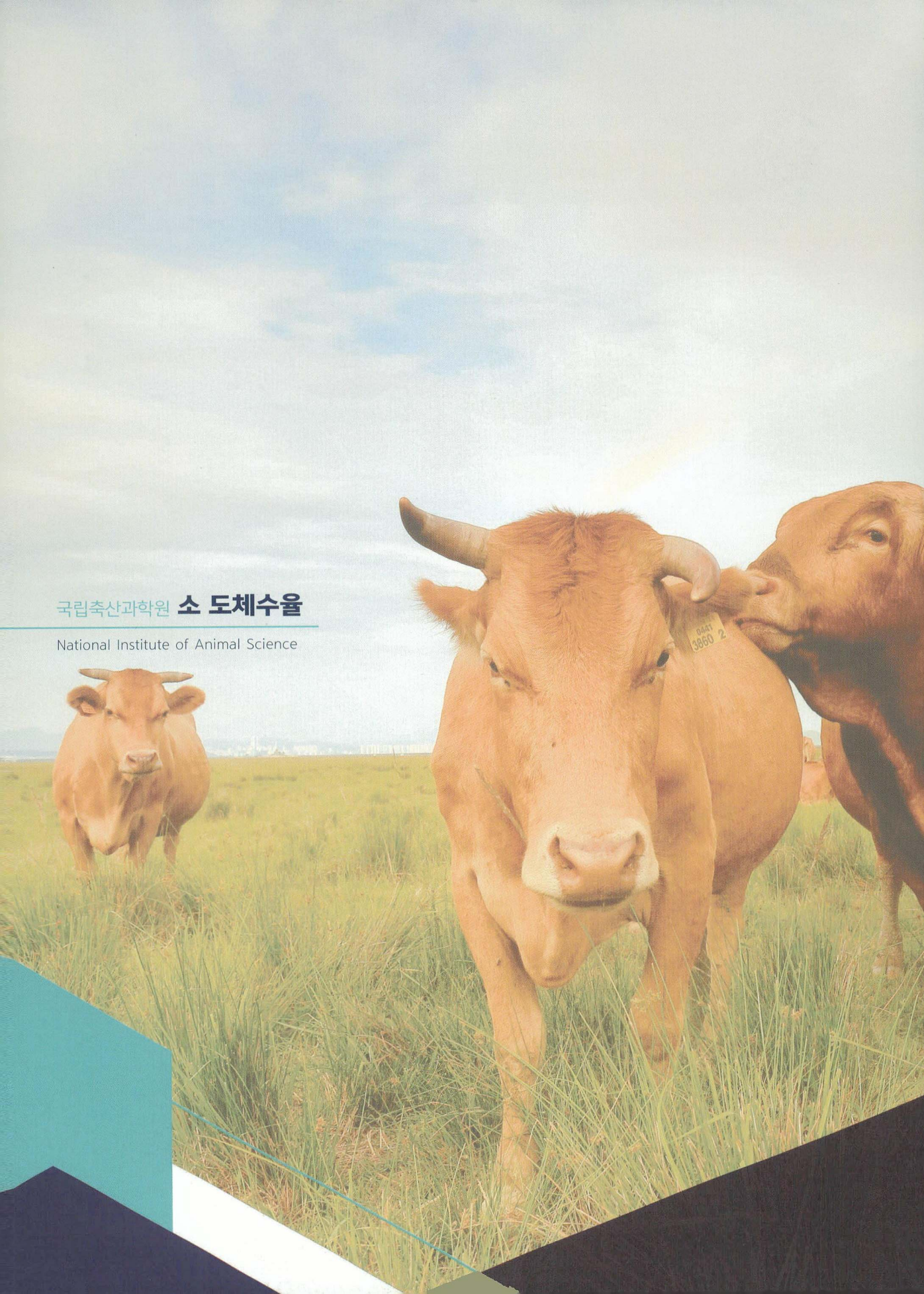
소분할 부위	육질등급			
	1++	1+	1	2
조사두수	7	8	11	6
안심살	63.46±7.93	62.01±10.04	57.32±8.11	59.49±6.54
윗등심살	53.56±9.21	55.68±9.89	54.07±6.78	54.62±4.11
꽃등심살	60.77±9.01	63.35±9.22	56.78±6.84	56.80±4.31
아래등심살	57.96±7.36	60.95±7.65	55.66±6.46	58.66±3.36
살치살	45.94±5.67	53.93±7.98	51.80±8.71	57.31±9.48
채끝살	56.42±10.28	62.63±8.44	52.02±6.56	56.83±5.44
목심살	56.46±5.99	53.79±3.85	54.16±9.33	56.01±6.14
꾸리살	55.27±6.83	58.32±5.06	52.74±5.51	53.44±5.76
부채살	48.11±10.41	52.32±8.30	50.54±9.18	51.16±6.72
앞다리살	53.12±2.30	61.21±13.11	57.24±7.69	54.33±4.06
갈비덧살	57.10±5.61	58.91±13.65	52.02±6.73	55.10±5.08
부채덮개살	59.31±11.06	56.48±6.68	55.03±6.22	54.03±4.28
우둔살	59.31±5.49	56.95±5.01	53.58±7.48	55.81±4.47
홍두깨살	54.64±6.95	55.66±4.84	52.82±7.28	55.52±4.07
보섭살	57.55±2.46	58.71±6.87	56.34±6.35	57.25±3.17
설깃살	55.62±6.33	55.90±5.95	54.85±4.53	54.83±5.78
설깃머리살	57.36±8.28	54.49±8.51	51.81±9.18	51.94±6.75
도가니살	53.73±5.15	58.10±3.70	53.72±5.51	53.44±5.12
삼각살	53.02±6.11	56.80±8.49	50.39±7.56	52.79±5.65
양지머리	53.39±10.11	55.75±7.72	54.21±7.57	53.23±6.37
차돌박이	47.96±10.44	51.99±10.60	47.18±7.73	50.62±6.21
업진살	49.53±8.91	55.19±5.31	46.01±6.19	52.57±8.99
업진안살	54.98±10.60	56.65±6.22	49.43±6.25	53.82±7.28
치마양지	54.21±3.28	53.69±6.13	51.83±5.86	53.67±5.23
치마살	53.15±4.83	51.98±7.46	48.21±5.41	51.36±5.45
앞치마살	54.63±6.40	53.46±4.54	49.68±5.93	55.33±9.31
앞사태	51.71±4.75	55.65±7.45	51.33±8.08	52.06±5.85
뒷사태	53.17±6.98	52.28±6.61	51.05±6.35	49.85±4.83
뭉치사태	54.09±2.06	55.51±7.27	52.72±6.36	52.35±2.99
상박살	58.12±5.03	52.96±4.90	52.22±7.42	56.44±5.64
본갈비	53.53±5.92	53.28±5.90	49.66±8.54	54.44±20.25
꽃갈비	50.34±8.91	47.83±8.02	47.72±6.49	49.63±6.11
참갈비	53.52±3.31	52.36±8.18	49.83±7.23	54.40±2.92
토시살	59.39±7.87	55.65±7.86	52.67±5.54	53.70±5.43
안창살	54.77±10.14	56.04±6.58	56.95±8.64	53.63±6.85
제비추리	57.24±13.18	53.56±7.45	56.07±6.40	55.70±6.37

*평균±표준편차

표 275 육질 등급에 따른 한우 거세우 소분할 부위(33개)의 전단력가(단위: kg/cm^2)

소분할 부위	육질등급			
	1^{++}	1^{+}	1	2
조사두수	7	8	11	6
안심살	2.60±0.68	2.65±0.34	2.92±0.55	3.03±0.69
윗등심살	3.45±0.78	3.31±0.51	3.99±1.16	4.18±1.27
꽃등심살	3.09±0.74	3.57±0.87	3.95±1.14	4.42±1.09
아래등심살	3.34±0.47	4.10±1.08	4.49±0.89	5.31±1.17
살치살	2.05±0.60	2.02±0.41	2.62±0.84	2.47±0.80
채끝살	4.22±0.98	4.84±1.23	5.07±1.19	5.59±1.04
목심살	4.60±1.04	4.47±1.18	5.75±1.63	4.81±1.22
꾸리살	3.88±0.71	3.85±0.71	4.66±0.97	4.12±0.78
부채살	2.81±0.52	2.92±0.59	3.32±0.54	3.62±0.59
앞다리살	3.79±0.52	3.79±0.60	3.83±0.96	4.23±0.62
갈비덧살	3.83±0.61	4.06±0.63	4.72±0.96	4.57±0.66
부채덮개살	3.62±0.67	3.48±0.59	4.16±0.98	3.88±0.61
우둔살	4.66±0.80	5.01±1.46	5.90±1.28	5.16±1.04
홍두깨살	4.42±1.01	4.17±1.18	4.97±0.87	4.84±1.06
보섭살	4.82±0.72	5.26±1.37	5.90±1.96	5.31±1.56
설깃살	4.73±1.19	4.99±1.41	5.04±0.76	5.22±1.04
설깃머리살	4.35±0.97	4.47±1.49	4.82±1.18	4.50±0.86
도가니살	4.41±1.49	5.11±1.41	4.98±1.13	5.37±0.81
삼각살	2.84±0.76	3.16±0.61	3.59±0.90	4.37±0.90
양지머리	4.50±2.21	3.85±1.00	4.26±0.70	4.13±0.67
차돌박이	3.54±0.95	4.88±1.66	5.26±1.83	4.43±0.97
업진살	3.30±1.04	2.96±0.68	3.43±0.97	4.42±1.72
치마살	3.52±1.02	3.92±0.97	3.84±1.40	4.33±0.81
앞치마살	3.61±0.58	3.87±0.42	4.53±2.30	4.41±0.78
앞사태	5.08±0.65	5.70±0.98	5.70±0.77	6.13±0.96
뒷사태	3.55±1.08	4.35±0.90	4.31±0.92	4.10±0.93
뭉치사태	4.71±0.87	5.29±1.40	5.11±1.02	4.91±0.80
상박살	3.47±0.69	3.87±0.98	3.82±1.08	4.02±0.61
본갈비	2.45±0.41	2.67±0.58	3.16±1.23	3.14±1.14
꽃갈비	1.97±0.42	2.25±0.43	2.42±0.64	2.36±0.43
참갈비	3.61±1.25	3.75±0.94	3.69±1.19	4.99±0.89
토시살	2.86±0.40	3.12±0.53	3.01±0.51	3.19±0.58
안창살	2.21±0.45	2.22±0.38	2.37±0.45	2.58±0.55

*평균±표준편차


국립축산과학원 소 도체수율
National Institute of Animal Science

부 록



한우고기 산육량 추정 프로그램

01 프로그램 개요

1) 프로그램 소개

개요	한우의 도체정보를 활용하여 개체별 도체수율 및 부분육 생산량을 예측할 수 있도록 다수의 회귀식을 탑재한 '국가단위 한우고기 정육 및 부산물 생산량 추정 프로그램' 입니다.
데이터 활용	• 개체이력번호를 통한 도축정보 조회 및 기간 수육예측의 출하두수 등의 정보는 축산물품질평가원에서 제공하는 데이터를 활용합니다. • 중단기 전망에 사용하는 사육두수는 통계청에서 발표하는 분기별 사육두수 데이터를 활용합니다.

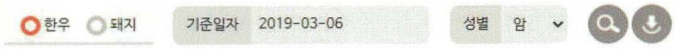
2) 기타 명칭 설명

정육량	• 정육량 대분할1 : 갈비뼈를 포함한 정육량 • 정육량 대분할2 : 갈비뼈를 제거한 정육량
불가식 지방	• 불가식 지방 대분할1 : 대분할 갈비의 지방과 꼬리 반골 지방을 포함한 대분할의 지방량 • 불가식 지방 대분할2 : 소분할 갈비의 지방과 꼬리 반골 지방을 포함한 대분할육의 지방량 • 불가식 지방 소분할1: 소분할 갈비의 지방과 꼬리 반골 지방을 포함한 소분할육의 지방량 • 불가식 지방 대분할1(내장포함) : 대분할1 지방 + 배지방 + 내장지방 + 신지방 + 기타지방을 포함한 총 지방량 • 불가식 지방 대분할2(내장포함) : 대분할2 지방 + 배지방 + 내장지방 + 신지방 + 기타지방을 포함한 총 지방량 • 불가식 지방 소분할1(내장포함) : 소분할1 지방 + 배지방 + 내장지방 + 신지방 + 기타지방을 포함한 총 지방량

3) 개체 수율 추정

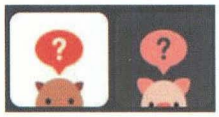
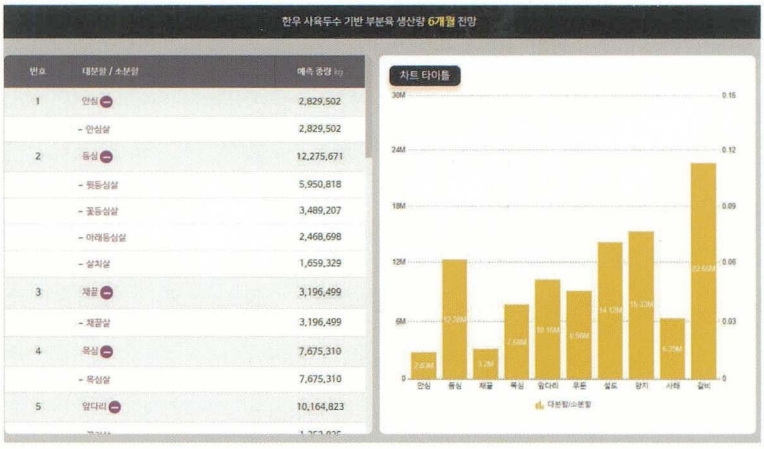
구 분	설 명
조회 방법 선택	● 이력번호로 조회하기 / 도체정보 직접 입력해서 조회하기 - 도축된 개체를 대상으로 개체의 이력번호를 등록하면 축산물품질평가원의 도축 정보를 활용해 해당 개체의 부분육 생산량을 계산합니다. ● 도체정보 직접 입력해서 조회하기 - 체중, 성별, 월령, 등지방두께, 등심단면적을 사용자가 등록 후 부분육 생산량을 계산합니다.
부분육 조회 항목	● 부분육 중량 - 대분할 / 소분할 부위별 예상 중량, 생체중 또는 냉도체중 대비 무게 비율을 표시합니다. - 각 부위별 위치 및 부분육 사진이 표시됩니다. ● 도체중량 종합 - 정육량, 뼈무게, 불가식지방의 예상 중량을 표시합니다. - 대분할 부위별 예상 중량을 표시합니다. - 소분할 부위별 예상 중량을 표시합니다. ● 도체중량 비율 - 정육량, 뼈무게, 불가식지방의 예상 중량 및 비율 차트를 표시합니다.
부분육 중량	● 부위별 이미지 조회 - 부위 명칭을 선택하면 우측의 이미지에서 해당 부위가 표시됩니다. - 대분할 부위 명칭 옆에 ⊕ 버튼 클릭 시 하위 소분할 부위 명칭이 표시됩니다. - 대분할 부위 명칭 옆에 ⊖ 버튼을 클릭 시 하위 소분할 부위가 숨겨집니다. 

4) 기간 수율 추정

구 분	설 명
조회 방법 선택	 - 1 (DAY) : 일별 통계, 기준일자를 포함한 과거 8일간의 도축정보를 활용해 성별 부분육 생산량을 계산해 표시합니다. - 31(MONTH) : 월별 통계, 기준월을 포함한 과거 13개월의 도축정보를 활용해 성별 부분육 생산량을 계산해 표시합니다. ● 검색 기준 선택 - 축종과 기준일(기준월)을 선택합니다. - 버튼을 누르면 엑셀파일로 표에 표시된 데이터가 다운로드 됩니다. 
조회 항목	● 도축두수 및 부분육 부위별 추정 생산량 표 - 선택 조건에 따라 계산된 해당 일자의 도축두수, 회귀식을 통해 계산한 추정 부분육 생산량을 표로 나타냅니다. 

		2019.02.27	2019.02.28	2019.03.01	2019.03.02	2019.03.03	2019.03.04	2019.03.05	2019.03.06	합계	평균
도축두수(두)		683	1,084	1,166	1,166	1,282	1,352	1,285	1,416	9,434	1,179
부분육 중량(kg)	안심	4,642	7,311	7,853	7,873	8,621	9,111	8,635	9,511	63,557	7,945
	- 안심살	4,642	7,311	7,853	7,873	8,621	9,111	8,635	9,511	63,557	7,945
	등심	20,951	32,920	35,334	35,462	38,812	40,997	38,844	42,813	286,133	35,767
	- 윗등심살	9,333	14,641	15,717	15,768	17,252	18,232	17,265	19,024	127,232	15,904
	- 꽃등심살	6,301	9,906	10,633	10,667	11,682	12,333	11,690	12,881	86,093	10,762
	- 아래등심살	4,786	7,536	8,087	8,126	8,885	9,390	8,898	9,810	65,518	8,190
	- 살치살	2,629	4,132	4,435	4,449	4,872	5,144	4,875	5,372	35,908	4,489
	채끝	6,332	9,963	10,685	10,746	11,756	12,411	11,764	12,985	86,642	10,830

5) 중단기 전망

구 분	설 명
한우 조회 방법 선택	 ● 한우 축종을 선택합니다. ● 사육두수 검색 및 예상 도태율 지정 - 통계청의 최근 한우 월령별 사육두수 발표자료 중 2세 이상 한우두수를 자동으로 조회해 표시해줍니다. - 예상 도태율 항목을 사용자가 조정해서 향후 6개월 예상 출하두수를 변경할 수 있습니다. ● 최근 도체성적 검색 및 지정 - 축산물품질평가원을 통해 취합된 최근 성별 도체성적(평균 개월령, 도체중, 등지방, 등심단면적) 평균을 계산해 표시해줍니다. - 사용자가 기간을 조정할 수 있고, 표시된 값을 직접 지정할 수도 있습니다. - 본 데이터는 부분육 추정 회귀식 계산시 사용됩니다. 
한우 조회 항목	● 한우 사육두수 기반 생산량 6개월 전망 - 선택 조건에 따라 계산된 향후 6개월의 부분육 생산량을 표와 차트로 표시해줍니다. 기간은 통계청의 최종 발표 분기 이후 6개월을 의미합니다. - 오른쪽 차트에는 대분할 부위의 생산량 전망치가 표시됩니다. 



소 도체수율

발행일	2020년 12월
발행인	국립축산과학원장 박범영
기획 및 편집	조수현, 서현우, Hoa Van Ba, 강선문, 김윤석, 설국환, 성필남, 김진형
감 수	(주)선진 Meat&Food 혁신센타 문성실
발행처	국립축산과학원 축산물이용과
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