



MEMO TO: ALL PARTICIPANTS IN THE MOHAVE COUNTY 4-H CARCASS CONTEST
Members, Leaders, Parents & Buyers.
FROM: Gerald W. Olson
Extension Agent, 4-H Youth Development
DATE: September 19, 2009
SUBJECT: MOHAVE COUNTY 4-H CARCASS CONTEST

WELCOME to the 31st ANNUAL MOHAVE COUNTY 4-H CARCASS CONTEST.
Last year 7 beef, 19 swine, 7 lambs, and 1 Goat competed in the contest.

Out of these there were 1 Steer-of-Merit, 15 Swine-of-Merit, 1 Lamb-of-Merit and 0 Goat-of-Merit carcasses.

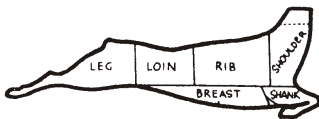
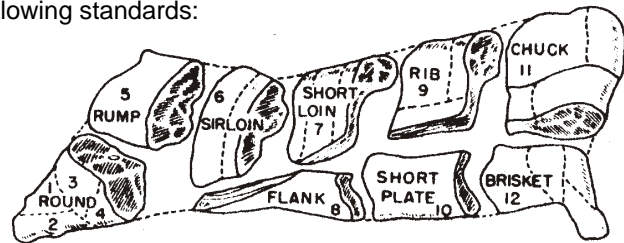
The Carcass Contest is an important part of the learning process. As part of our ongoing educational program, carcasses processed at The University of Arizona Meat Science Lab are judged and graded according to USDA and industry standards.

The requirements this year are as stiff as past years, but it gives all 4-H/FFA members a goal to work toward. Through proper feeding and exercise, members can produce winning carcasses.

STEER-OF-MERIT

To receive a ST-O-M Award, a carcass must meet the following standards:

- Hot Carcass Weight: 600 lbs.
Fat Thickness Over 12th Rib: At least .03" and not over .10" per 100 lbs. of cold carcass weight.
Ribeye Size: At least 1.6 sq. in. of ribeye per 100 lbs. of cold carcass.
Yield Grade: Grade not to exceed 3.0.
Final Carcass Grade: Minimum of Select 70
Beef Carcasses are placed on value per Cwt. Based on quality and Yield Grade



APPROXIMATE PERCENT (%) INFLUENCE OF GENETICS:

Table with 2 columns: Genetic Factor and Percentage. Rows include Efficiency of Feed Utilization (40%), Rate of Gain (47%), Carcass Grade (32%), Ribeye Area (69%), and a note: (From The Stockman Handbook, Ensminger)

GOAT -OF -MERIT

To receive a G-O-M Award the carcass must meet the following standards:
Goat Percent Semi-Boneless Closely Trimmed Primal Cuts
% = 60.69330 - .23174 x Hot Carcass weight + 1.96202 X Ribeye area - 1.57832 X Body wall thickness

Carcass Grades: P = Prime, Ch = Choice, G = Good, Ut = Utility, Ut = Utility, Hw = Heavyweight, Lt = Lightweight, 1 B Hw = 1st Blue Heavyweight

(OVER)



SWINE-OF-MERIT

To receive a **S-O-M Award** the pork carcass must meet the following standards.

Minimum Carcass Length of 29.5 in. (from anterior edge of first rib to anterior edge of Aitch bone).

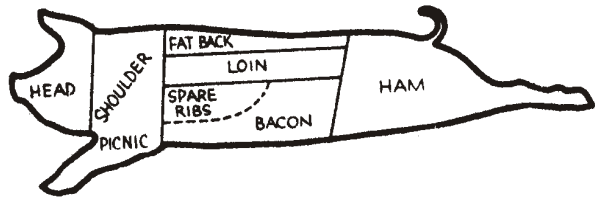
Back Fat Depth: 1.0" or Less at last rib.

Minimum Hot Carcass Weight: 140 lbs. with head off.

Muscle Color Score: Must range from 2 or 4.

% Muscle: Must be 55% or more.

Minimum average backfat: .4"



APPROXIMATE PERCENT (%) INFLUENCE OF GENETICS:

Daily Gain	25-30%
Efficiency of Feed Utilization	25-30%
Length	50-60%
Backfat	40-50%
Loin Area	30-40%

(From The Stockman Handbook, Ensminger)

LAMB-OF-MERIT

To receive a **L-O-M Award** the carcass must meet the following standards:

Lamb Percent Closely Boneless Trimmed Retail Cuts.

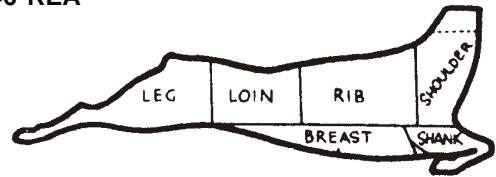
$$\%BCTRC = 49.963 - (.0848*HCW) - (4.376*AFT) - (3.530*BWT) + (2.46*REA)$$

Must be the **Quality** of Choice 50 or above.

The **Yield Grade** must not exceed 2.6.

Carcass Grades:

P = Prime	Ut = Utility
Ch = Choice	Hw = Heavyweight
G = Good	Lt = Lightweight
Ut = Utility	1 B Hw = 1st Blue Heavyweight



APPROXIMATE PERCENT (%) INFLUENCE OF GENETICS:

Average Daily Gain	20-40%
Finish or Condition at Market	5-30%

(From The Stockman Handbook, Ensminger)

SPECIAL THANKS:

To **The University of Arizona Animal Sciences Meat Lab** for cooperation in displaying the carcasses, the cooperation and hospitality in allowing us through the facilities so that we could view the carcasses ...

To **Dr. John Marchello** from The University of Arizona for judging our carcasses and for presenting the information and explanation that helps us to improve our feeding and breeding programs...

To **Mohave Livestock Association** for sponsoring the Mohave County Calf Carcass Award ...

To **Mohave County Farm Bureau** for sponsoring the Mohave County Calf Carcass Award ...

Carcasses will be identified by the following ear tag numbers:

BEEF

- 685 - Benson, Cordel
- 129 - Bracken, Austin
- 960 - Honga, Raven
- 479 - Thomas, EmmyLou

SWINE

- 11 - Bitz, Chelsey
- 15 - Cofer, Morgan
- 33 - Dollarhide, Brittany
- 7 - Hammond, Baylee
- 17 Honga, Trey
- 30 - Imus, Kristina
- 32 - Montoy, Devyn
- 31 - Myl, Savannah
- 16 - Nix, Kenny
- 4 - Noble, Catrina
- 8 - Pendley, Matthew
- 21 - Querta, Diago
- 26 - Studer, Tatianna
- 24 - Sullivan, Samantha
- 25 - Wood, Jessica

SHEEP

- 49 - Dudley, Kordell
- 54 - Fielding, Jozua
- 40 - Furr, Hailey
- 52 - Honga, Trey
- 62 - Kelly, Justine
- 56 - Marshall, Shyralyn
- 37 - Parker, Serena
- 59 - Partridge, Levi
- 44 - Pruett, Matthias
- 43 - Pruett, Miekhylla
- 51 - Todriff, Breanne
- 57 - Walker, Ami
- 58 - Walker, Ami

GOAT

- 71 - Holcomb, Hanna
- 69 - Partridge, Will
- 72 - Smith, Tiffanee