



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 22, 2007
SUBJECT: MOHAVE COUNTY 4-H CARCASS CONTEST

WELCOME to the 29th ANNUAL MOHAVE COUNTY 4-H CARCASS CONTEST.
Last year 16 beef, 24 swine, 7 lambs, and 5 Goat competed in the contest.

Out of these there were 8 Steer-of-Merit, all 22 Swine-of-Merit, 7 Lamb-of-Merit and all 5 Goat of-Merit carcasses.

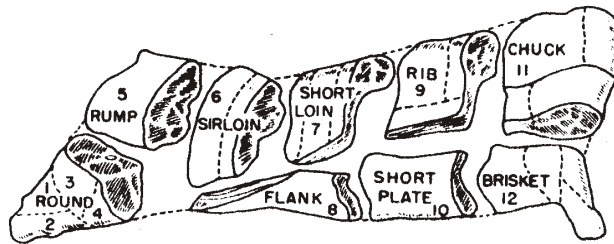
The Carcass Contest is an important part of the learning process. As part of our ongoing educational program, carcasses processed at The University of Arizona Meat Science Lab are judged and graded according to USDA and industry standards. The carcass data then can be used by members & breeders to evaluate and improve their feeding and breeding programs.

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: 550 to 850 lbs.
Fat Thickness Over 12th Rib: At least .03" and not over .10" per 100 lbs. of cold carcass weight.
Ribeye Size: At least 1.7 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



APPROXIMATE PERCENT (%) INFLUENCE OF GENETICS:

Table with 2 columns: Genetic Trait and Percentage Influence. Rows include Efficiency of Feed Utilization (40%), Rate of Gain (47%), Carcass Grade (32%), and Ribeye Area (69%).

(From The Stockman Handbook, Ensminger)

(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).

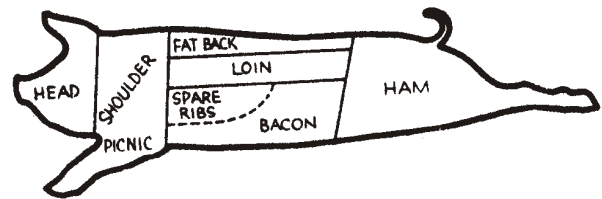
**Back Fat Depth:** 1.0" or Less at last rib.

**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:** .3"



### 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%

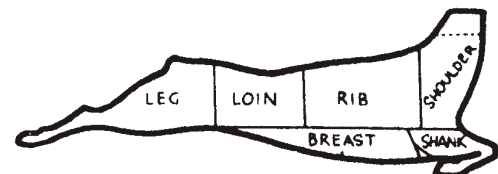
(From The Stockman Handbook, Ensminger)

### LAMB-OF-MERIT and GOAT -OF -MERIT

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

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

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



<b>Carcass Grades:</b>	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 ...  
To **Jacob Roer, 3R's Fencing, Wikieup Az** for sponsoring the Top Placing MC Goat Carcass Award

Carcasses will be identified by the following ear tag numbers:

#### BEEF

82/747 - Xavier Benson  
79/489 - Consuela Bravo  
80/351 - Judd Bravo  
85/857 - Brooke Dollarhide  
83/839 - Jordan Dollarhide  
84/487 - Tommy Dollarhide  
93/329 - Bryce Hervey  
98/756 - Raven Honga  
81/693 - Cameron Matuck  
101/805 - Dushana Sullivan  
97/563 - Reva Sullivan  
05/570 - Emmylou Thomas

#### SWINE

660 - Austyn Bailey  
994 - Clay Benson  
792 - Charles Grigg  
630 - Jade Honga  
476 - Trey Honga  
984 - Kaleb Manuel  
635 - Tyleen Manuel  
350 - Dakota Parker  
001 - Reva Sullivan  
705 - Samantha Sullivan  
894 - Austin Tomlinson  
414 - Kylie Tomlinson  
560 - Wyatt Yarbrough

#### SHEEP

321 - Kelsy Auld  
617 - Emmali Burnside  
163 - Austyn Burt  
490 - Jade Honga  
214 - Shyrilyn Marshall  
536 - Kinsey Masten  
266 - Sheylon Moser  
915 - Maggie Partridge  
922 - Garret Walker  
438 - Jenny Wiese