

2016 Montana Market Goat Carcass Evaluation Standards

Conformation

| | | |
|-------------|-----------------|----------------------|
| Selection 1 | 1 ⁹⁰ | Highest Conformation |
| | 1 ⁵⁰ | Middle Conformation |
| | 1 ⁰⁰ | Lowest Conformation |
| Selection 2 | 2 ⁹⁰ | Highest conformation |
| | 2 ⁵⁰ | Middle conformation |
| | 2 ⁰⁰ | Lowest conformation |
| Selection 3 | 3 ⁹⁰ | highest conformation |
| | 3 ⁵⁰ | middle conformation |
| | 3 ⁰⁰ | lowest conformation |

Conformation (i.e. muscle to bone ratio) is rated by one of three Selection scores. Selection 1 carcasses have a high proportion of meat to bone and Selection 3 carcasses have a low ratio of meat to bone. Selection 1 carcasses are thickly muscled throughout the body with a bulging outside leg, rounded back strip, and a moderately thick outside shoulder. Selection 2 carcasses are moderately muscled throughout with a slightly bulging outside leg, flat or shallow back strip, and slightly thick outside shoulder.

Each selection classification can be divided into 100 parts. The highest selection for goat carcasses is 190, and 300 is the lowest selection score. Selection scores are usually assigned to the nearest 10 parts (e.g. 110, 240, or 320).

Lean Flank Color

A
B
C

Lean color as A (pink-red), B (dark red), C (very dark red). Flank color is an indicator of age. Older animals (>14 months) will have a darker red color to the flank.

Kidney, Pelvic, & Heart (KPH) Fat, %

0.5 - 3.5

Kidney, pelvic, and heart internal fat as a percentage of hot carcass weight.

Subcutaneous Fat Cover Score

1.0 - 3.0

External fat cover score as 1= minimal/none, 2= fat over rib and shoulder, 3= excessive fat cover.

Ribeye Area

12th rib ribeye (*Longissimus*) area. Use standard 1/20 loin eye grid, measure both sides, average.

Lower Rib Fat Thickness (LRF)

Lower rib fat thickness measured 1 inch beyond loin eye, both sides, averaged.

Age

| | |
|-----------------|-----------------------|
| Kid (cabrito) | 2-14 months |
| Yearling chevon | 14-24 months |
| Aged chevon | over 24 months of age |

Measured in months.

% Cutability

Cutability calculated by the following formula: $60.6933 - (0.23174 \times \text{HCW}) + (1.96202 \times \text{Loin Eye Area}) - (1.57832 \times \text{LRF})$

Carcass of Merit Standards

| | |
|--------------------------|-------------|
| Conformation: | Selection 1 |
| Lean Flank Color: | A |
| Fat Cover: | 2 |
| KPH: | 2-3% |
| Cutability: | > 52% |