## 2018 Montana Market Goat Ultrasound Carcass Evaluation

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. Each selection classification can be divided into 100 parts. The highest selection for goat carcasses is 199, and 300 is the lowest selection score. Selection scores are usually assigned to the nearest 10 parts (e.g. 110, 240, or 320).

### Conformation

<table>
<thead>
<tr>
<th>Selection</th>
<th>3&lt;sup&gt;90&lt;/sup&gt;</th>
<th>3&lt;sup&gt;60&lt;/sup&gt;</th>
<th>3&lt;sup&gt;30&lt;/sup&gt;</th>
<th>3&lt;sup&gt;00&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selection 1</td>
<td>Highest Conformation</td>
<td>Middle Conformation</td>
<td>Lowest Conformation</td>
<td></td>
</tr>
<tr>
<td>Selection 2</td>
<td>Highest conformation</td>
<td>Middle conformation</td>
<td>Lowest conformation</td>
<td></td>
</tr>
<tr>
<td>Selection 3</td>
<td>highest conformation</td>
<td>middle conformation</td>
<td>lowest conformation</td>
<td></td>
</tr>
</tbody>
</table>

Conformation must be determined by either the ring judge or the U/S technician. Market goats without conformation scores cannot be considered for Carcass of Merit.

### Live Wt.

- **Live weight in pounds**

### HCW

- **Hot Carcass Weight calculated at 48% of Live Wt.**

### Loin Eye Area

- **12th rib eye (Longissimus) area. Ultrasound measurement; both sides averaged.**

### Body Wall Thickness (BWT)

- **Body wall thickness (includes fat, bone, and lean) measured 1 inch beyond loin eye, both sides, averaged.**

### Age

- **Measured in months. Market goats are usually referred to as kid/cabrito (2-14 months), young chevon (14-24 months), or aged chevon (over 24 months).**

### % Cutability

- **Cutability calculated by the following formula:**
  
  \[ 60.6933 - (0.23174 \times HCW) + (1.96202 \times Loin Eye Area) - (1.57832 \times BWT) \]