

2009 Iowa State Fair Performance Lamb Carcass Formulas

Window A (All Lambs Ranked)

Rate of Gain 45%
Carcass Merit 45%
Live Ribbon 10%

Total Points:

Boneless Closely Trimmed Retail Cuts (BCTRC)

$$49.936+(\text{CarcassWeight}^*-0.0848)+(\text{Backfat}^*-4.376)+(\text{Bodywall}^*-3.53)+(\text{Ribeye}^*2.456)$$

Rate of Gain Points

$$((\text{Rate of Gain} - \text{Ave Rate of Gain})/\text{STDEV Rate of Gain})*4.5$$

Live Points

$$((\text{Live Ribbon Score}-\text{Ave. Ribbon Score})/\text{STDEV Ribbon Score})*1$$

Carcass Points

$$((\% \text{ BCTRC}-\text{Ave. BCTRC})/\text{STDEV BCTRC})*4.5$$

Total Points = *Rate of Gain Points* + *Live Points* + *Carcass Points*

Window B (Only Lambs Fitting the Following Parameters Ranked)

Only carcasses fitting the following parameters considered:

- 1) Minimum of .15 in. backfat
- 2) Carcass weight between 65 – 85 lbs.
- 3) Ribeye area .5 standard deviations above regression line

Carcasses will then be ranked using the same equations as in Window A.

Window B would be considered an “elite” window, with superior carcasses ranking highest; similar to a boxed lamb program