


USING THIS DIRECTORY AND UNDERSTANDING THE TERMS

BULL INFORMATION


ORigen This logo signifies the sires that are accessed through the ORigen marketing network.

 These bulls are part of the ABS/Seedstock Plus Alliance.

 - ABS reached an agreement with Circle A Ranch to market the winners of their innovative Angus Sire Alliance program. The Angus Sire Alliance has put together one of the most comprehensive progeny test programs in the industry; by using economic modeling programs and relative economic weights they have combined the various genetic components into an overall Profitability Value (or EPD).

Calving Ease - Star ratings are a subjective estimate of a bull's calving ease. In assigning stars, objective data (such as birth weight and calving ease information for heifers and cows) is used. Stars may generally be interpreted as follows:

- ★★★★ Bull proven for a high level of calving ease based on calving ease scores, birth weight EPD, and accuracy level.
- ★★★ Bull who can be used on heifers of the same breed.
- ★★ Bull who can be used on cows - no assists should be expected.
- ★ Bull who should only be used on mature cows - expect large birth weights.

Carcass Rating -  Steak ratings are a subjective estimate of a bull's overall carcass merit based on his percentile ranking within his breed for carcass traits and/or ultrasound body composition. In the Angus and Gelbvieh breed, steaks are assigned based on Grid Value (SG) or Grid Merit (GM) percentile rank. Four steaks if in the top 15%, 3 for the top 35%, 2 for the top 55% and 1 for the top 75%.

Red Angus, Hereford and Limousin bulls receive one steak each for Marbling, REA and Fat, if they rank in the top 50% of the breed and an additional steak if they rank in the top 25% for Marbling.

Simmental bulls receive one steak each for MARB, REA and YG, if they rank in the top 50% of the breed and an additional steak if they rank in the top 25% for MARB.

Cow Energy Value (\$EN), expressed in dollars savings per cow per year, assesses differences in cow energy requirements as an expected dollar savings difference in daughters of sires. A larger value is more favorable when comparing two animals (more dollars saved on feed energy expenses). Components for computing the cow \$EN savings difference include lactation energy requirements and energy costs associated with differences in mature cow size.

Weaned Calf Value (\$W), an index value expressed in dollars per head, is the expected average difference in future progeny performance for preweaning merit. \$W includes both revenue and cost adjustments associated with differences in birth weight, weaning direct growth, maternal milk, and mature cow size.

All Purpose Index (API) - The API evaluates sires being used on the entire cowherd (bred to both Angus first-calf heifers and mature cows) with a portion of their daughters being retained for breeding and the steers and remaining heifers being put on feed and sold grade and yield. All EPDs, with the exception of tenderness, are taken into consideration in this index.

Terminal Index (TI) - The TI is designed for evaluating sires' economic merit in situations where they are bred to mature Angus cows and all offspring are placed in the feedlot and sold grade and yield. Consequently, maternal traits such as milk, stayability and maternal calving ease are not considered in the index.

Breedplan terms can be found on most breed websites.

Please visit our website at www.absglobal.com for a complete listing of terms and for additional up-to-date information on sires available from ABS.

SEMEN QUALITY

Semen quality and sire health standards have always been a primary focus at ABS to insure that our product consistently delivers the best results and bio-security possible.

ABS has always been a leader in semen quality having assisted in the development of many of the techniques and protocols that are

widely used in the industry today. More than 60 years of research have allowed ABS to develop processes and standards for semen production and processing that exceed industry norms.

In addition, to protect the health and well being of the ABS bull population and provide our customers with the highest level of bio-security possible, ABS' sire health standards exceed CSS minimum requirements.

The vast majority of the beef semen marketed by ABS meets these stringent health and semen quality requirements and is classified as ABS normal PRIME quality. If requested, other quality levels may be available on certain bulls including...

CHOICE quality product of outsourced and certain high demand sires produced at ABS. This semen may not

fully meet ABS' normal PRIME semen quality standards but is within industry normal ranges and is fully CSS health qualified.

CUSTOM + semen is a new category at ABS and will represent only a small fraction of our product offering. It will be available on a request only basis on certain early release and niche market bulls. Like much of the custom collection semen used in the U.S., this product has not had full health testing to meet CSS minimum standards. It is designed for producers that are interested in getting the earliest possible semen from high demand sires.

Semen Quality

- Influences fertility and conception rates achieved
- Determined by the processes employed and standards used in evaluating accepted semen including semen morphology and motility
- **ABS utilizes processes and standards for semen production and evaluation that exceed industry norms**

Health Requirements

- Designed to protect the health of the herd in which semen is used by minimizing the risk of disease transmission
- CSS Certified Semen meets Certified Semen Services minimum requirements for disease control of Semen Produced for AI.
- **All Prime and Choice semen marketed by ABS exceeds CSS minimum requirements**

