



Phenotype and Genotype Show (PGS)

The Phenotype and Genotype Show was created for juniors to show their heifers in an additional competition while providing an educational opportunity to learn about the value of Expected Progeny Differences (EPDs) as a part of the process in selecting seedstock.

Animals entered in the PGS will be evaluated under a system that requires both genotypes and phenotypes to be considered. The results will be a composite score where the genotype (EPDs) placing and phenotype placings will be used, the weighted final placing will be comprised of 60% Genotype placing and 40% Phenotype Placing.

Rules:

1. Classes and divisions will follow the owned female shows class breaks. Brangus, Red Brangus, and Ultrablack/Ultrareds will have their own Phenotype and Genotype show.
2. The Genotype placings will result from the rankings of the GE-EPDs. The GE-EPDs will be sent to the approved EPD judge and they will rank the animals strictly off of the GE-EPDs.
3. The Genotype judge will receive entry number, birthdate, and EPDs/\$Values (CED, BW, WW, YW, Milk, TM, CEM, SC, REA, IMF, FAT, STAY) along with a percentile ranking.
4. The phenotype results will be equivalent to how the animals are ranked in the owned show in each respected division; Brangus, Red Brangus, Ultrablack/Ultrared.
5. Heifers entered in the PGS show WILL NOT be required to enter the show ring an additional time, the phenotype placing portion for the PGS show will come directly from the owned show placings.
6. The final placing for the Phenotype and Genotype show will be comprised of a weighted average from the Genotype show and Phenotype show. Final placings are 60% genotype results and 40% phenotype results.
7. Entries in Cow/Calf Pair classes are excluded from the PGS show. Entries in the Senior Heifer divisions that may have calves at side are eligible, provided they meet the GE EPD requirements.

8. All Animals born January 1, 2021 and after must be DNA parent verified.
9. In the event of a tie, the Genotype placing will be the tie breaker.

The PGS is not mandatory participation, added for 2022 on a trial basis under these rules.

To enter:

1. All animals entered in the owned female show **with GE-EPDs on file with IBBA at the entry deadline** will automatically be entered in the Phenotype and Genotype show with **no additional entry fee.**
2. Basic parentage testing does NOT qualify for this show.
3. GE-EPDs are required **at the time of the entry deadline** to be entered into the PGS Show.
4. Any animal with interim EPDs or EPDs not enhanced with genomic results at entry deadline will NOT be allowed to show.

To make sure your animal has GE-EPDs on file, please contact Macee Prause at the IBBA office; 210-696-8231 or mprause@gobrangus.com

Awards:

- Awards will be given for Grand and Reserve PGS Champion Brangus, Grand and Reserve Champion PGS Red Brangus, and Grand and Reserve Champion PGS Ultrablack/Ultrared females.