GenSELECT® STEER

PBB NEOGEN®

Genetic Evaluation for Commercial Steers

What is GenSELECT Steer?

GenSELECT Steer puts the power of genomics in the hands of commercial beef farmers. Developed by ABRI, powered by BREEDPLAN, and supported by NZ Herefords and Herefords Australia to provide powerful insights into an individual steer's genetic performance potential.

GenSELECT Steer highlights commercial steers that have the genetic potential to perform in the paddock and deliver superior carcass results with genomic predictions for growth and carcass traits – improve your bottom line by identifying the most efficient steers for your farm system.

Suitable for commercial Hereford steers

BVD Testing is available as an add-on with GenSELECT Steer.

Select with confidence. Breed for progress. Profit from performance.

Make smarter selection decisions to meet your finishing objectives more efficiently with the insights GenSELECT Steer delivers – use the data to select steers with the potential to finish faster and deliver better carcass results, or identify surplus steers early to ensure they reach the most appropriate end market.

GenSELECT Steer gives each steer a genomic prediction score for:

One (1) growth trait; 400-day weight (yearling) and **Five (5) carcass traits;** carcass weight, eye muscle area, rib fat, retail beef yield, and intramuscular fat.

Suitable for castrated male beef cattle.

Not to be used for bulls.

Photo Credit: Herefords Australia

SUPPORTED BY

NZ Herefords

HEREFORDS Australia

How will the results be reported?

For genomic predictions, scores between 0 and 100 are provided.

A score of 50 is considered “average” with a score closer to 100 being more desirable for most traits.

The genomic predictions are also presented in a bar graph for a visual snapshot of each steer, along with a traffic light system, indicating the steer’s relatedness to the reference population.

Results can be sorted by trait for a quick overview of the mob, or exported for you to rank the steers based on your selection criteria.

Animal Details

Visual ID		Herd ID	
Sample Barcode		Gender	Steer
Sample ID		Status	Completed
Birth Year			

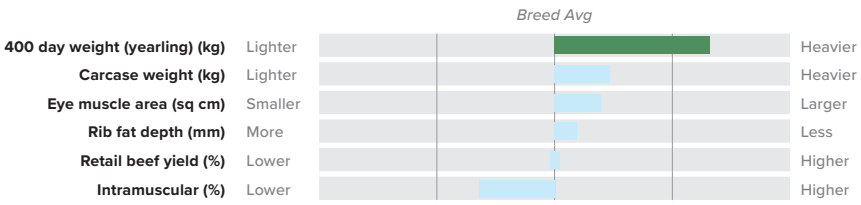
GBV Data

	400WT	CWT	EMA	RIB	RBY	IMF
Genomic Prediction	83	62	60	55	50	34

Understanding Relatedness

The relatedness indicator shows how genetically similar this animal is to the reference population used for genomic analysis.

- **HIGH** — Animal is genetically similar to the reference population. GBV comparisons are reliable and meaningful.
- **MEDIUM** — Animal has some genetic differences from the reference population. Use caution when comparing GBV values.
- **LOW** — Relatedness is too low for reliable GBV comparisons. Animal is excluded from genomic evaluation.



Trait		Results description
400-day weight (yearling) (kg)	400	Higher scores indicate genetics for heavier animals at 400 days (yearling).
Carcass weight (kg)	CWT	Higher scores indicate genetics for heavier carcass weights.
Eye muscle area (sq cm)	EMA	Higher scores indicate genetics for larger eye muscle area (more muscularity).
Rib fat (mm)	RIB	Higher scores indicate genetics for more rib fat, relative to carcase weight (fatter carcass).
Retail beef yield (%)	RBY	Higher scores indicate genetics for higher yielding carcases.
Intramuscular fat (%)	IMF	Higher scores indicate genetics for more marbling.

How to order:

1. Purchase tissue sample units from PBB, then collect samples from your animals.
2. Login to the GenSELECT portal **https://genselect.breedplan.com.au/login/** to generate a unique batch number for your order and download the order form. *(*new users will need to create a login)*
3. Complete the order form then email your form to PBB at **dna@pbbnz.com** and print a copy to include with your samples when you send them to PBB.

AVAILABLE IN NEW ZEALAND EXCLUSIVELY THROUGH PBB WITH THE SUPPORT OF NZ HEREFORDS.

PBB, PO Box 503, 75 South Street, Feilding 4740
P: 06 323 4484 **E:** dna@pbbnz.com | **pbbnz.com**

Genetic evaluation is conducted by ABRI

GenSELECT® Powered by BREEDPLAN