



Developed in Australia, by Australians, for Australian Angus Cattle

Available exclusively to members of Angus Australia, Angus HeiferSELECT provides an assessment of the genetic merit for commercial heifers for nine important maternal, growth and carcass traits, along with total breeding value and individual sire assignment.

What is Angus HeiferSELECT

Angus HeiferSELECT is a genomic selection tool to help inform the selection of Angus replacement females (87.5% Angus content or greater) in a commercial breeding operation.

- Angus HeiferSELECT provides:
- Genetic predictions for nine (9) important maternal, growth and carcass traits
- Genetic prediction and star rating for total breeding value
- Sire assignment*

Angus HeiferSELECT complements other sources of information that may be used in commercial replacement heifer selection, such as phenotypic evaluation, age, weight and pedigree information, and provides valuable insight into the genetic potential of heifers, particularly for traits that are otherwise difficult, time consuming or expensive to measure using traditional methods.

Angus HeiferSELECT genetic predictions are calculated based on Angus Australia's extensive genomic and phenotypic database. Collated over many years, this database combines the DNA profiles of Australian Angus animals with comprehensive performance measurements collected in Australian beef production systems, enabling Angus HeiferSELECT to provide the most accurate genetic predictions possible for the selection of Australian Angus females.

* Optional – Possible sires must be registered with Angus Australia and have genomic profiles available

Benefits of Angus HeiferSELECT

Angus HeiferSELECT facilitates superior decisions to be made when managing the genetics in a commercial Angus beef breeding enterprise.

- **Selecting Replacement Females** - Identify females who possess genetics that are most aligned with your breeding objective, and who are the most suitable to retain as replacement heifers.
- **Culling Decisions** - Identify females that are genetically inferior and who are the best choice for culling
- **Inform Bull Purchasing Decisions** - Utilise results from heifers tested with Angus HeiferSELECT to better understand the genetics in your herd, and identify the priorities for your next bull purchasing decision
- **Understanding Bull Reproductive Performance** - Use sire information to identify those bulls in your sire team that have produced low numbers of progeny, and remove these bulls from your breeding program.
- **Management of Inbreeding** - Use sire information to avoid inbreeding and the associated depression in performance
- **Marketing Opportunities** - Utilise results from heifers tested with Angus HeiferSELECT to help inform commercial marketing opportunities of surplus heifers or future steer progeny
- **Compatible with BVDV Testing** - Add-on BVDV testing facilitates the identification of animals persistently infected with Bovine Virus Diarrhoea Virus (also known as Bovine Pestivirus)



Product of Angus Australia, delivered with our partners Neogen Australasia and Zoetis

Understanding Angus HeiferSELECT Results

Angus HeiferSELECT provides genetic predictions for nine (9) important maternal, growth and carcase traits, along with a genetic prediction and star rating for total breeding value.

Angus HeiferSELECT genetic predictions are reporting using an intuitive 0 – 100 scoring system, with a score of

50 representing the average genetic merit of commercial Angus heifers tested with the Angus HeiferSELECT product.

Higher values identify females carrying genetics that will produce “more” of a trait, which may or may not be preferred, subject to your breeding objective.

	Trait	Description
Cow-Calf Traits	Calving Ease Direct	Higher Calving Ease genetic predictions indicate the animal is expected to experience fewer calving difficulties as a 2 year old heifer (i.e. greater calving ease).
	Weaning Weight	Higher Weaning Weight genetic predictions indicate the animal is expected to produce progeny with heavier live weights at 200 days of age, due to superior growth potential.
	Milk	Higher Weaning Weight genetic predictions indicate the animal is expected to produce progeny with heavier live weights at 200 days of age, due to superior maternal attributes (i.e. more milk).
	Yearling Weight	Higher Yearling Weight genetic predictions indicate the animal is expected to produce progeny with heavier live weights at 400 days of age.
	Mature Cow Weight	Higher Mature Cow Weight genetic predictions indicate the animal is expected to have a heavier weight at maturity, and produce female progeny with heavier weight at maturity. Heavier mature weights are associated with higher feed and maintenance costs, but conversely higher returns for cull cows.
Carcase Traits	Carcase Weight	Higher Carcase Weight genetic predictions indicate the animal is expected to produce progeny with heavier carcase weights at 750 days of age.
	Eye Muscle Area	Higher Eye Muscle Area genetic predictions indicate the animal is expected to produce progeny with larger eye muscle area, relative to carcase weight.
	Rib Fat	Higher Rib Fat genetic predictions indicate the animal is expected to produce progeny with greater fat depth, relative to carcase weight.
	Intramuscular Fat	Higher Intramuscular Fat genetic predictions indicate the animal is expected to produce progeny with a higher percentage of intramuscular fat (i.e. marbling), relative to carcase weight.
Overall Value	Total Breeding Value	Higher Total Breeding Value genetic predictions identifies animals that will improve overall profitability in the majority of commercial grass and grain finishing beef production systems.
	HeiferSELECT Stars	Presents Total Breeding Value as an easy to understand 0 – 5 star rating.

Ordering Angus HeiferSELECT

Angus HeiferSELECT can be ordered exclusively from Angus Australia.

Further Information

Angus HeiferSELECT is a product of Angus Australia, delivered in collaboration with our partners, Zoetis Animal Genetics and Neogen Australasia.

To further discuss the utilisation of Angus HeiferSELECT in your enterprise, please contact:

Angus Australia – (02) 6773 4600

Zoetis Animal Genetics – 1300 768 400

Neogen Australasia – (07) 3736 2134

