

nextPredict

WITH  WEATHERBYS
SCIENTIFIC

KNOW
MORE.

BREED
BETTER.

Harnessing the power of the latest DNA
technology to make selection decisions
that deliver measurable results.

nextgen
AGRI

 WEATHERBYS
SCIENTIFIC

What is neXtPredict?

neXtPredict is a genomics-only selection tool for Merinos. It has been developed by Sheep Genetics and is delivered in a partnership between neXtgen Agri and Weatherbys. Built on two years of research, it ranks animals across 13 key traits using DNA alone – no other information required. Testing for parent verification and poll is also available at no extra cost.

Why choose neXtPredict?

Select early with confidence

Genomic prediction allows you to rank animals based on their DNA. The test can be completed at lamb weaning or even before so you can sort out the great from the good, early in life.

Backed by the MerinoSelect database

The neXtPredict values are powered by the MerinoSelect database, which utilises the world-leading genetic engine at Sheep Genetics.

Decisions not just data

The neXtPredict portal allows you to turn hundreds of data points into a ranking completely aligned with your breeding philosophy and management system.

Supported every step of the way

neXtPredict is supported by the experienced neXtgen Agri team. We'll help you work through how to get the greatest gain and the most value from using neXtPredict.

How does neXtPredict work?

1. Sample collection

A small tissue sample is collected from the ram or ewe's ear.

2. Genomic analysis

DNA is extracted and analysed in Weatherbys' leading laboratory.

3. Trait prediction

The data goes to Sheep Genetics to predict the 13 traits and four indexes.

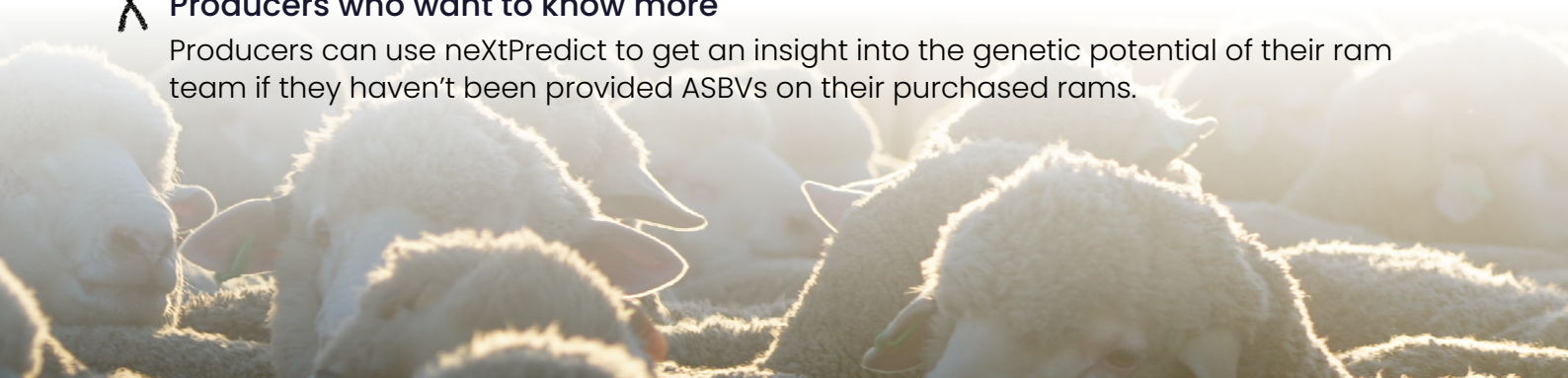
4. Data to decision

The data is added to the portal and ranked based on your choices.

Who will get the most value out of neXtPredict?

There are lots of different ways to use neXtPredict but the big opportunities are:

- ✂ Producers who breed their own rams**
neXtPredict can supercharge the selection accuracy in your ram breeding flock and kick-start rapid genetic gain.
- ✂ Ram breeders not yet on MerinoSelect**
neXtPredict can bring new insights for you and your clients and provide immediate data while you build toward getting full ASBVs.
- ✂ Producers who want to know more**
Producers can use neXtPredict to get an insight into the genetic potential of their ram team if they haven't been provided ASBVs on their purchased rams.



Choose the neXtPredict plan that works best for you:

1. neXtPredict CORE

Breeders signed up to the 'Core' plan receive Genomic Breeding Values (GBVs) for 13 traits, four standard MerinoSelect indexes and two standard neXtPredict indexes in a user-friendly platform. Data is presented with filtering tools for easy ranking on any traits of interest. Traits provided by neXtPredict are:

- Post-weaning weight
- Yearling weight
- Yearling eye muscle depth
- Yearling fat depth
- Condition score
- Weaning rate
- Yearling clean fleece weight
- Yearling fibre diameter
- Yearling CV of fibre diameter
- Yearling curvature
- Yearling staple length
- Early breech wrinkle
- Post wean worm egg count

Indexes

- Wool Production
- Fine Wool
- Sustainable Merino
- Merino Lamb

2. neXtPredict PLUS

In addition to 'Core' features, breeders can create their own indexes by weighting traits according to their breeding objectives. Animals are ranked according to these customised settings, helping breeders target specific goals. Trait matrices allow breeders to see how traits are interacting and any unintended consequences of selection decisions.

3. neXtPredict PRO

In addition to 'Core' and 'Plus' features, 'Pro' users have the ability to incorporate on-farm measurements (e.g. structural traits and dag scores), store and track flock data across years, and receive tailored support and advice from neXtgen Agri consultants.

Powered by partnership



nextPredict
WITH  WEATHERBYS
SCIENTIFIC

KNOW MORE. BREED BETTER.

nextgen
AGRI

 WEATHERBYS
SCIENTIFIC

nextpredict@nextgenagri.com

weatherbysscientific.com.au