X'prime
Future Technology for Today

TGRM® Mating Service – Overview

The TGRM® Mate Selection Service can help you plan better matings to achieve your breeding goals by simultaneously integrating different types of genetic information into the mating decision. You benefit by making better use of available information to target more genetic gain or lower inbreeding or both. Save time and make better use of genetic resources.

Use the TGRM® Mating Service to:

- Maximise genetic gain on your chosen index
- Manage coancestry and genetic diversity
- Minimise inbreeding in progeny of matings
- Avoid undesirable trait levels in progeny
- Increase the frequency of desirable major genes
- Optimise sire selections and allocations

Groups can use the TGRM® Mating Service to:

- Share genetic resources more optimally
- Improve connections between group members for better genetic evaluations
- Lift group performance and individual performance

You can also benefit by:

- Saving hours of planning and optimising mating lists
- Exploring many options before sire or semen purchases are made
- Testing your own or modified TGRM® mating lists using the Breeder's Pick function

How does TGRM® do all this?

TGRM® can very quickly evaluate hundreds of mating lists to see how well they fit your objectives and constraints. A powerful artificial intelligence software engine within TGRM® finds these better mating lists and using your input we can improve these mating lists to achieve the balance you desire. There are always tradeoffs between genetic gain, diversity, traits and major genes, as well as costs, so by seeing what these tradeoffs are, you are in a much better position to achieve an acceptable balance. TGRM® helps you find and consider numerous alternatives before buying or committing to purchase semen or sires, select or cull your own sires and dams.

We know that as the amount of information we have increases, our ability to use the information to make good decisions declines. With all the information now available to breeders, including breeding values for multiple traits, multiple indexes upon which we can select, gene tests for several genes that affect profitability, concern over inbreeding and genetic diversity, and the costs associated with the breeding program, our ability to make optimal decisions at mating time is seriously affected.

Are you making the best decisions about whom to select and cull and how to mate them? If in doubt, try TGRM® and see for yourself what your breeding program is really capable of!

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