



Manage the Genetic Progress of Your Herd with ProGen

One of the most important portfolios you manage on your herd should not be left to last minute decisions. That's where ProGen, EastGen's respected genetic mating program, comes in. ProGen uses industry research with computerized technology and most importantly your breeding goals. Let ProGen save you time while ensuring you are maximizing your herd's genetic progress.

- Fully personalized for your herd
- Uses EXACT inbreeding levels
- Manages the risk associated with Haplotypes and Brachyspina
- Weight ProGen's traits to meet your herd's goals
- Manage your semen purchases and needs
- Unbiased first, second, third, fourth and fifth choice matings.
- Easy to read - provides a quick summary of your breeding program
- Incorporates your herd's genomic test results and sire's genomic evaluations to increase accuracy

Request your mating report today! Ask your EastGen Representative for details, contact progen@eastgen.ca or call 1-888-821-2150.



ProGen Benefit	Benefit Explanations
Fully personalized for your herd	<ul style="list-style-type: none"> Assign different groups of sires for heifers and cows Report your animals with your preferred identifiers (e.g. barn name, ear tag) On-farm evaluations available for breeders with missing CDN data or unique breeding goals Breeders can personalize the mating profile (weights used to rank matings) <ul style="list-style-type: none"> only include sires that meet their herd's goals adjust calving ease or inbreeding thresholds add GenoMax™ sires or young sires to their sire lists
Uses EXACT inbreeding levels	<ul style="list-style-type: none"> Mating Matrix: Developed in partnership with CDN. Gives the exact level of inbreeding for every possible mating <ul style="list-style-type: none"> Goes back as far as CDN's database CDN uses the same program on their website's Inbreeding Calculator ProGen has exclusivity to the use of the Mating Matrix Most competitor programs only use 3-4 generation inbreeding measurements which have been shown to be incomplete (especially in the era of genomic young sires) <p>"Given the increasing level of inbreeding in dairy herds over the past 15 years, it is no longer acceptable to consider only three to four generations when evaluating inbreeding levels of potential matings. This unique matrix gives breeders confidence in controlling inbreeding in their herd."</p> <p>Brian Van Doormaal, CDN's General Manager</p>
Manages the risk associated with Haplotypes and Brachyspina	<ul style="list-style-type: none"> Haplotype: short section of DNA strand that is transmitted from parent to progeny. The gene(s) associated with fertility impact have not been found yet but they have been identified to exist within the Haplotype strands. Brachyspina: recessive genetic defect that has been identified causing embryonic death. When two carriers are mated, there is a 1 in 4 chance that the resulting mating will have lethal consequences. Frequency: (HH1, HH2, HH3 <5%; HH4 <1%; JH1 23.4%; BH1 14%; BH2 21%; AH1 26%, Brachyspina <5%) Most females are not genotyped so the industry uses probability ratings from 1% to 99% to measure the incidence for females and sires of being carriers ProGen applies increasing penalties to matings until a threshold is reached at which point the matings are disallowed Carrier sires are not permitted on known carrier females or progeny of carriers For matings where the resulting probability is < 12.5%, penalties are applied The larger the resulting probability, the larger the penalty.
Weight ProGen's traits to meet your herd's goals	<ul style="list-style-type: none"> Resulting matings are ranked using an index (e.g. from highest LPI to lowest) Breeders can change the ratio (weightings) of Production to Type to Health and Fertility to suit their individual breeding goals Breeders can edit the weights of each trait used within these 3 major categories Breeders can use different profiles (weights) for cows and heifers
Manage your semen purchases and needs	<ul style="list-style-type: none"> Get a new snapshot of your semen needs within days of each new proof Uses the list of sires that breeder is considering using Gives breeder a clearer picture of their herd's semen needs for the proof interval Sire recommendations are objectively arrived at solely due to the genetics offered by each sire ProGen saves time and money