

Canada's NRR (Semen Fertility) Evaluation Summary

The chance of getting a cow pregnant is influenced by a range of factors, many of which are related to herd management and environment. Genetics also plays a small yet important role in fertility. On the female side, Daughter Fertility is routinely evaluated as a functional trait for genetic selection. Semen Fertility, on the other hand, is a non-genetic evaluation calculated by CDN using semen performance data from the field. Recent improvements made in August, by the Canadian Dairy Network (CDN), were made to the Semen Fertility evaluation system.

Key Improvements to the Semen Fertility Evaluation:

1. **Breeding records are sourced from both A.I. and DHI (i.e.: non-technician)**
 - this almost doubles the total volume of information used for each year.
2. **Only registered animals are included**
 - uses the correct birth date for each cow or heifer and therefore an accurate age at insemination.
3. **Based solely on information from the most recent 12-month period for which they had the most number of 1st inseminations.**

What is the impact of this change?

Five years of insemination data was analyzed to arrive at a new NRR for Canada. The NRR scale has been adjusted and **the new average NRR for Holsteins this round is: AY (61), JE (66), BS (67), CN (73), GU (59), MS (75)**

AYRSHIRE - Two new Ayrshires have been added to our line-up this round:

Lessard **JUMPER** Normandin x EX Trident x VG-2YR Patrick x EX-4E-92 B B Kellogg x EX-5E-91 x EX-5E-92






The top newly proven in the Ayrshire sire this round is **Jumper** (#3 with 22792 GLPI). **Jumper** is the highest Ayrshire for Milk in the breed (+1301 Milk) with over +10 for overall type (+13 Conformation). Although he is also high for component yields (+44 Fat, +43 Protein), he should not be considered a deviation improver (-.11% Fat, +.00% Protein). He should be used, however, as a source for shallow udders (5S), with great texture (+13), snugly-attached fore udders (+8) and outstanding rear attachment height (+12) - *our very best!*. Like his sire Normandin, **Jumper** will be an exceptional Feet & Legs improver (+12) with great feet (+8 Foot Angle, +10 Heel Depth) and sound leg set (+8 Set of Rear Leg, +6 Rear Leg Rear View). The moderate sized **Jumper** daughters will be very dairy and angular (+8). Designated as a **Health Smart™** sire, you can expect Somatic Cell Score improvement (2.73); cattle that stand the test of time (105 Herd Life); and he will be a good choice as a calving ease specialist (103 Calving Ability). **Jumper** will be best suited for taller daughters with adequate fat test and strong loins.

Des Coteaux **MIQUELON** Mordicus (Reality x B Jurist) x VG-2YR Poker x VG-87 Peterslund x EX Bruno x VG Cornelius



Miquelon joins our growing Ayrshire **Genomax™** offering this round. He has also earned our **Health Smart™** designation. **Miquelon** is our first Mordicus son who is a high-GPA Reality son from Lagace BJ Model VG Elite 1*. The high-ranking **Miquelon** (+2624 GPA LPI) should offer solid production improvement (+1103 Milk) and component deviation improvement (+.04% Fat and +.00% Protein). **Miquelon** offers to leave shallow, quality udders (2S Udder Depth, +10 Texture) and will leave good-footed cattle (+9Foot Angle, +11 Heel Depth). **Miquelon** will be a great source for Somatic



Cell Score improvement (2.92 SCS), Herd Life (105), Milking Speed (105) and he will be great to use on heifers (104 Calving Ability).

SIRE	GLPI	MILK	FAT	PROT	CONF	MS	FL	DS	RUMP	HL	CA	SCS	PRICE	CATEGORY
Lessard JUMPER	2792	1303	44 - .11%	43 .00%	13	12	12	7	7	105	103	2.73	\$65	 
Des Coteaux MIQUELON	2624	1103	48 .04%	37 .00%	8	7	7	6	4	105	104	2.92	\$25	 *Pre-Order Only

BROWN SWISS - 1 new Brown Swiss has been added to our line-up this round:

Lime Rock **SEASIDEBLOOM** Brookings x Driver x Zeus

Seasidebloom is an exciting new addition to our Brown Swiss line-up debuting with +1973 GPA LPI, +1045 Milk and a pleasing +9 for Conformation. With +7 for Mammary System, this outcross Brookings son should be a tremendous source for shallow udders (6S Udder Depth), and strong udder attachments (+6 Fore Udder Attachment, +6 Rear Udder Height and Width). Foot Angle is a solid +5 while legs will have some substance to the bone and a set of leg with a tendency towards straight. **Seasidebloom** daughters will be about average for the Stature (+1) but will show ample width (+4 Chest, +3 Pin Width) and a dairy rib (+4 Angularity). In addition, **Seasidebloom** will leave hard-topped cattle (+3 Loin) with some slope to their Pin Set (1L Rump Angle). **Seasidebloom** also excels for the majority of the Health & Fertility traits with a 2.69 SCS (our best), 103 Daughter Calving Ability, 104 Daughter Fertility and 104 Herd Life. **Seasidebloom** also has the bonus of being available **Sexxed**™

SIRE	GPA LPI	MILK	FAT	PROT	CONF	MS	FL	DS	RUMP	HL	CA	SCS	PRICE	CATEGORY
Lime Rock SEASIDEBLOOM	1973	1045	53 .12%	48 .12%	9	7	4	2	3	104	100	2.69	\$30	  *Pre-Order Only

JERSEY - Two new Jersey sires have been added to our line-up this round:

No new additions to our Jersey line-up this round but that's not to say that there wasn't lots of news. Our Jersey **Genomax**™ offering still sees 4 high-ranking sires, all of which are outcross sires while 3 are designated as **Health Smart**™ sires (**Maserati**, **Da Bomb-P**, and **David**). Additionally **Da Bomb-P** and **David** are designated as **Repromax**™ sires. **David** is also available **Sexxed**™ while **Da Bomb-P** is heterozygous polled which means that half of his calves will be born polled. Immune response is highly heritable (25%) and **Immunity+**™ sires pass on their natural defense to their daughters and subsequently future generations. By selecting one of our three **Immunity+**™ Jersey sires (**David**, **Legacy** or **Mantra**), with naturally high immune response, you can improve your overall herd's health. In all, our Jersey line-up has 7 sires over 700 kg for Milk; 8 sires with positive fat deviations; 10 with positive protein deviations; 6 sires that are +5 or better for Conformation; 10 that are considered Somatic Cell Score improvers; 7 Herd Life improvers and there are 11 different sires represented in our line-up of 12 Jersey sires!

For more proof details on any of your favourite Semex sires, go to www.eastgen.ca or www.cdn.ca.