Réseau laitier canadien
Canadian Dairy Network

Average Gain in LPI Reliability Due to Genomics
- August 2012 -

Sub-Group for Holstein Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2009-2011)	38	69	31	64%
LD (3K or 6K) Heifers (Born 2009-2011)	35	65	30	65%
LD Younger Cows in 1st or 2nd Lactation	51	67	16	57%
LD Foreign Cows with MACE in Canada	42	68	26	62%
1st Crop Proven Sires in Canada	85	90	5	51%
Foreign Sires with MACE in Canada	70	83	13	54%

Sub-Group for Jersey Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2008-2011)	32	49	17	60%
Younger Cows in 1st or 2nd Lactation (50K)	53	58	5	52%
Foreign Cows with MACE in Canada	39	52	13	57%
1st Crop Proven Sires in Canada	80	83	3	51%
Foreign Sires with MACE in Canada	70	76	6	52%

Sub-Group for Brown Swiss Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2008-2011)	30	45	15	60%
Younger Cows in 1st or 2nd Lactation	49	54	5	52%
Foreign Cows with MACE in Canada	37	49	12	57%
1st Crop Proven Sires in Canada	72	76	4	51%
Foreign Sires with MACE in Canada	67	73	6	52%

Sub-Group for Ayrshire Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers (Born 2008-2011)	31	36	5	54%
Younger Cows in 1st or 2nd Lactation	44	45	1	51%
1st Crop Proven Sires in Canada	70	73	3	51%
Foreign Sires with MACE in Canada	60	65	5	52%