Réseau laitier canadien
Canadian Dairy Network

Average Gain in LPI and Pro$ Reliability Due to Genomics
- DECEMBER 2017 -

Sub-Group for Holstein Breed	Average LPI and Pro$ Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	41	75	34	65%
≥50K Young Bulls and Heifers with a GPA LPI Sire (GYS)	37	70	33	65%
Heifers with LD Genotype (Born 2015-2017)	33	70	37	68%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	75	27	61%
LD Foreign Cows with MACE in Canada	40	74	34	65%
1st Crop Progeny Proven Sires in Canada	83	89	6	52%
Foreign Sires with MACE in Canada	65	84	19	56%

Sub-Group for Jersey Breed	Average LPI and Pro$ Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	33	52	19	61%
Heifers with LD Genotype (Born 2015-2017)	26	45	19	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	63	15	57%
Foreign Cows with MACE in Canada	37	53	16	59%
1st Crop Proven Sires in Canada	74	79	5	52%
Foreign Sires with MACE in Canada	65	72	7	53%

Sub-Group for Brown Swiss Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	30	52	22	63%
Heifers with LD Genotype (Born 2015-2017)	30	52	22	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	44	62	18	58%
Foreign Cows with MACE in Canada	38	57	19	60%
1st Crop Proven Sires in Canada	64	75	11	54%
Foreign Sires with MACE in Canada	62	72	10	54%

Sub-Group for Ayrshire Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	35	45	10	56%
Heifers with LD Genotype (Born 2015-2017)	29	40	11	58%
Younger Cows in 1st or 2nd Lactation with LD Genotype	45	53	8	54%
1st Crop Proven Sires in Canada	72	74	2	51%
Foreign Sires with MACE in Canada	62	67	5	52%

Sub-Group for Guernsey Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
Young Bulls and Heifers with a Proven Sire	25	27	2	52%
1st Crop Proven Sires in Canada	56	59	3	51%
Foreign Sires with MACE in Canada	56	58	2	51%