Réseau laitier canadien
Canadian Dairy Network

Average Gain in LPI and Pro$ Reliability Due to Genomics
- AUGUST 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	74	33	64%
≥50K Young Bulls and Heifers with a GPA LPI Sire (GYS)	36	70	34	66%
Heifers with LD Genotype (Born 2015-2017)	33	69	36	68%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	75	27	61%
LD Foreign Cows with MACE in Canada	40	73	33	65%
1st Crop Progeny Proven Sires in Canada	82	89	7	52%
Foreign Sires with MACE in Canada	65	83	18	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	44	18	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	62	14	56%
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	64	72	8	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	43	61	18	59%
Foreign Cows with MACE in Canada	37	57	20	61%
1st Crop Proven Sires in Canada	62	74	12	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	39	10	57%
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	58	60	2	51%
Foreign Sires with MACE in Canada	55	58	3	51%