Réseau laitier canadien
Canadian Dairy Network

Average Gain in LPI and Pro$ Reliability Due to Genomics - APRIL 2019 -

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	76	35	65%
≥50K Young Bulls and Heifers with a GPA LPI Sire (GYS)	38	72	34	65%
Heifers with LD Genotype (Born 2017-2019)	33	72	39	69%
Younger Cows in 1st or 2nd Lactation with LD Genotype	49	77	28	61%
LD Foreign Cows with MACE in Canada	39	75	36	66%
1st Crop Progeny Proven Sires in Canada	83	90	7	52%
Foreign Sires with MACE in Canada	66	85	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	34	54	20	61%
Heifers with LD Genotype (Born 2017-2019)	25	47	22	65%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	64	16	57%
Foreign Cows with MACE in Canada	37	55	18	60%
1st Crop Proven Sires in Canada	75	81	6	52%
Foreign Sires with MACE in Canada	66	75	9	53%

Sub-Group for Brown Swiss Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	29	52	23	64%
Heifers with LD Genotype (Born 2017-2019)	30	52	22	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	44	63	19	59%
Foreign Cows with MACE in Canada	37	57	20	61%
1st Crop Proven Sires in Canada	67	77	10	53%
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 2017-2019)	27	39	12	59%
Younger Cows in 1st or 2nd Lactation with LD Genotype	44	53	9	55%
1st Crop Proven Sires in Canada	72	75	3	51%
Foreign Sires with MACE in Canada	64	70	6	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	59	1	50%
Foreign Sires with MACE in Canada	57	59	2	51%