Réseau laitier canadien
Canadian Dairy Network

Average Gain in LPI and Pro$ Reliability Due to Genomics - APRIL 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	68	35	67%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	74	26	61%
LD Foreign Cows with MACE in Canada	40	73	33	65%
1st Crop Progeny Proven Sires in Canada	82	88	6	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)	30	48	18	62%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	62	14	56%
Foreign Cows with MACE in Canada	37	52	15	58%
1st Crop Proven Sires in Canada	74	79	5	52%
Foreign Sires with MACE in Canada	64	71	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	29	52	23	64%
Heifers with LD Genotype (Born 2015-2017)	31	53	22	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	44	62	18	58%
Foreign Cows with MACE in Canada	37	56	19	60%
1st Crop Proven Sires in Canada	62	73	11	54%
Foreign Sires with MACE in Canada	62	71	9	53%

Sub-Group for Ayrshire Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	35	44	9	56%
Heifers with LD Genotype (Born 2015-2017)	33	45	12	58%
Younger Cows in 1st or 2nd Lactation with LD Genotype	45	52	7	54%
1st Crop Proven Sires in Canada	71	73	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	24	27	3	53%
1st Crop Proven Sires in Canada	60	61	1	50%
Foreign Sires with MACE in Canada	55	58	3	51%