Réseau laitier canadien
Canadian Dairy Network

Average Gain in LPI and Pro$ Reliability Due to Genomics - DECEMBER 2015 -

Sub-Group for Holstein Breed	Average LPI and Pro$ Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
≥50K Young Bulls and Heifers with a Proven Sire	40	72	32	64%
≥50K Young Bulls and Heifers with a GPA LPI Sire (GYS)	35	66	31	65%
Heifers with LD Genotype (Born 2013-2015)	34	68	34	67%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	72	24	60%
LD Foreign Cows with MACE in Canada	40	70	30	64%
1st Crop Progeny Proven Sires in Canada	84	88	4	51%
Foreign Sires with MACE in Canada	66	82	16	55%

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	53	19	61%
Heifers with LD Genotype (Born 2013-2015)	30	49	19	62%
Younger Cows in 1st or 2nd Lactation with LD Genotype	49	60	11	55%
Foreign Cows with MACE in Canada	39	54	15	58%
1st Crop Proven Sires in Canada	75	79	4	51%
Foreign Sires with MACE in Canada	66	72	6	52%

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 2013-2015)	30	52	22	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	45	62	17	58%
Foreign Cows with MACE in Canada	38	57	19	60%
1st Crop Proven Sires in Canada	67	76	9	53%
Foreign Sires with MACE in Canada	61	71	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	44	9	56%
Heifers with LD Genotype (Born 2013-2015)	31	40	9	56%
Younger Cows in 1st or 2nd Lactation with LD Genotype	46	52	6	53%
1st Crop Proven Sires in Canada	72	74	2	51%
Foreign Sires with MACE in Canada	61	65	4	52%