Average Gain in LPI and Pro$ Reliability
Due to Genomics
- DECEMBER 2016 -

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	69	33	66%
Heifers with LD Genotype (Born 2014-2016)	35	70	35	67%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	74	26	61%
LD Foreign Cows with MACE in Canada	41	72	31	64%
1st Crop Progeny Proven Sires in Canada	83	88	5	51%
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	34	53	19	61%
Heifers with LD Genotype (Born 2014-2016)	30	48	18	62%
Younger Cows in 1st or 2nd Lactation with LD Genotype	49	62	13	56%
Foreign Cows with MACE in Canada	37	53	16	59%
1st Crop Proven Sires in Canada	75	80	5	52%
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 2014-2016)	31	53	22	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	45	62	17	58%
Foreign Cows with MACE in Canada	37	56	19	60%
1st Crop Proven Sires in Canada	63	74	11	54%
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 2014-2016)	31	41	10	57%
Younger Cows in 1st or 2nd Lactation with LD Genotype	45	52	7	54%
1st Crop Proven Sires in Canada	72	74	2	51%
Foreign Sires with MACE in Canada	61	66	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	57	59	2	51%