Average Gain in LPI and Pro$ Reliability
Due to Genomics
- AUGUST 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)	37	70	33	65%
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	73	32	64%
1st Crop Progeny Proven Sires in Canada	84	89	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	52	18	60%
Heifers with LD Genotype (Born 2014-2016)	29	48	19	62%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	61	13	56%
Foreign Cows with MACE in Canada	37	53	16	59%
1st Crop Proven Sires in Canada	75	79	4	51%
Foreign Sires with MACE in Canada	65	72	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	30	51	21	63%
Heifers with LD Genotype (Born 2014-2016)	30	52	22	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	44	61	17	58%
Foreign Cows with MACE in Canada	37	56	19	60%
1st Crop Proven Sires in Canada	64	74	10	54%
Foreign Sires with MACE in Canada	61	70	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 2014-2016)	32	41	9	56%
Younger Cows in 1st or 2nd Lactation with LD Genotype	45	52	7	54%
1st Crop Proven Sires in Canada	73	74	1	50%
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	25	27	2	52%
1st Crop Proven Sires in Canada	62	63	1	50%
Foreign Sires with MACE in Canada	57	60	3	51%