Average Gain in LPI and Pro$ Reliability
Due to Genomics
- APRIL 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	40	73	33	65%
≥50K Young Bulls and Heifers with a GPA LPI Sire (GYS)	36	68	32	65%
Heifers with LD Genotype (Born 2013-2015)	35	69	34	66%
Younger Cows in 1st or 2nd Lactation with LD Genotype	47	73	26	61%
LD Foreign Cows with MACE in Canada	40	71	31	64%
1st Crop Progeny Proven Sires in Canada	83	88	5	51%
Foreign Sires with MACE in Canada	65	82	17	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	51	18	61%
Heifers with LD Genotype (Born 2013-2015)	29	47	18	62%
Younger Cows in 1st or 2nd Lactation with LD Genotype	48	61	13	56%
Foreign Cows with MACE in Canada	36	52	16	59%
1st Crop Proven Sires in Canada	74	79	5	52%
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 2013-2015)	30	51	21	63%
Younger Cows in 1st or 2nd Lactation with LD Genotype	43	61	18	59%
Foreign Cows with MACE in Canada	37	56	19	60%
1st Crop Proven Sires in Canada	63	73	10	54%
Foreign Sires with MACE in Canada	60	70	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	45	52	7	54%
1st Crop Proven Sires in Canada	72	74	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	25	27	2	52%
1st Crop Proven Sires in Canada	60	62	2	51%
Foreign Sires with MACE in Canada	58	60	2	51%