

Average Gain in LPI Reliability Due to Genomics
- December 2013 -

Sub-Group for Holstein Breed	Average LPI 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	66	30	65%
Heifers with LD Genotype (Born 2011-2013)	34	68	34	67%
Younger Cows in 1st or 2nd Lactation with LD Genotype	51	70	19	58%
LD Foreign Cows with MACE in Canada	42	70	28	63%
1st Crop Progeny Proven Sires in Canada	86	91	5	51%
Foreign Sires with MACE in Canada	70	83	13	54%

Sub-Group for Jersey Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers with a Proven Sire	34	50	16	60%
Heifers with LD Genotype (Born 2011-2013)	28	43	15	61%
Younger Cows in 1st or 2nd Lactation with LD Genotype	52	55	3	51%
Foreign Cows with MACE in Canada	39	52	13	57%
1st Crop Proven Sires in Canada	80	83	3	51%
Foreign Sires with MACE in Canada	70	76	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	31	43	12	58%
Heifers with LD Genotype (Born 2011-2013)	29	40	11	58%
Younger Cows in 1st or 2nd Lactation with LD Genotype	46	49	3	52%
Foreign Cows with MACE in Canada	38	46	8	55%
1st Crop Proven Sires in Canada	69	74	5	52%
Foreign Sires with MACE in Canada	66	71	5	52%

Sub-Group for Ayrshire Breed	Average LPI Reliability (%)			
	Traditional	Genomics	Gain	DGV Weight
50K Young Bulls and Heifers with a Proven Sire	36	38	2	51%
Heifers with LD Genotype (Born 2011-2013)	33	35	2	51%
Younger Cows in 1st or 2nd Lactation with LD Genotype	47	48	1	51%
1st Crop Proven Sires in Canada	78	80	2	51%
Foreign Sires with MACE in Canada	67	70	3	51%

Gain in Average Reliability (%) for Lifetime Profit Index (LPI) with Genomics - Holstein, December 2013

■ Genomics ■ Traditional

