

Holstein Traits - Values and Descriptions

Active A.I. Population*

Trait	Low	High	Average Bull Value	Actual Average	Heritability	Units
Milk yield	-2978	2152	383	26994	30%	Pounds
Fat yield	-72	81	21	1006	30%	Pounds
Protein yield	-76	62	16	822	30%	Pounds
Fat %	-0.25	0.45	0.03	3.73	50%	Percent
Prot %	-0.17	0.20	0.02	3.05	50%	Percent
Productive Life	-5.8	8.2	1.2	27.4	8.5%	Months
SCS	2.52	3.50	2.93	3.00	12%	Linear Score
Dtr Preg. Rate	-6.2	5.5	0.1	29	4%	% Preg. Rate
SS Calving Ease	3.6	13.0	7.5	8.0	9%	% Difficult in Heifers
Dtr Calving Ease	3.2	14.7	7.5	8.0	6%	% Difficult in Heifers
SS Stillbirth	5.3	12.8	7.8	8.0	3%	% Stillborn
Dtr Stillbirth	4.0	14.5	7.6	8.0	2%	% Stillborn
Final Score Type	-4.34	3.85	0.64	80.2	29%	Points
Stature	-5.67	4.11	0.49	33.1	42%	Linear
Strength	-3.42	3.38	0.36	29.3	31%	Linear
Body Depth	-4.00	4.28	0.32	30.3	37%	Linear
Dairy Form	-5.69	4.17	0.46	32.4	29%	Linear
Rump Angle	-4.02	4.58	0.16	23.5	33%	Linear
Thurl Width	-3.50	3.57	0.32	29.6	26%	Linear
Legs, side view	-3.32	2.98	-0.06	29.7	21%	Linear
Legs, rear view	-3.99	4.16	0.56	23.1	11%	Linear
Foot Angle	-3.20	3.36	0.53	22.0	15%	Linear
Fore Udder	-4.35	4.18	0.66	22.9	29%	Linear
Rear Ud Height	-6.76	5.06	0.96	27.8	28%	Linear
Rear Ud Width	-6.33	4.66	0.87	28.6	23%	Linear
Udder Cleft	-5.27	3.29	0.47	27.3	24%	Linear
Udder Depth	-3.93	3.92	0.50	21.2	28%	Linear
F. Teat Placement	-3.89	3.56	0.37	25.8	26%	Linear
R. Teat Placement	-5.50	3.76	0.38	28.7	32%	Linear
Teat Length	-4.49	3.83	-0.10	28.0	26%	Linear
Udder Composite	-4.53	3.20	0.53			Linear
Feet & Legs Comp.	-2.97	3.39	0.53			Linear
TPI	849	2586	1873			Unitless
Net Merit	-672	728	195			\$

* based on 1014 Holstein bulls marketed in U.S. (listed as Active or Foreign Available according to NAAB)

Relationship between Somatic Cell Score & Somatic Cell Count	Cow's SCC (thousands/ml)		
	Cow's SCS	Midpoint	Range
	0	12.5	0- 17
	1	25	18- 34
	2	50	35- 70
	3	100	71- 140
	4	200	141- 282
	5	400	283- 565
	6	800	566-1130
	7	1600	1131-2262
	8	3200	2263-4525
	9	6400	4526-

