

Holstein top bulls — August 2010 Sire Summaries

Top 50 Ranked Udders				Top 50 Ranked Feet and Legs				Top 25 Ranked by Productive Life				Top 25 Sires for Pregnancy Rate				Top Sires for Sire Calving Ease			
NAAB Name	UDC	Rel.		NAAB Name	F & L	Rel.		NAAB Name	PL	Rel.		NAAB Name	DPR	Rel.		NAAB Name	Sire CE	Rel.	
151H0477 ACME *RC	3.07 G	86		204H02050 REALITY-RED	3.37	91		99-N 1H08784 FREDDIE	7.8 G	76		1H06360 WIZARD	3.6 G	99		7H06417 O MAN	3 G	99	
1H09192 HILL	2.77 G	80		7H08913 RHOMAN	3.30 G	87		508H010272 JEVON	6.9	96		1H08521 DANGER	3.6 G	75		14H04956 DOTSON	3 G	95	
14H05411 PALERMO	2.72 G	85		7H09107 DURABLE *RC	3.10 G	89		1H08521 DANGER	6.7 G	78		1H08631 LES	3.1 G	77		14H04916 JAKE	4 G	98	
200H05567 SEAVER	2.68 G	79		29H011153 HOMESTEAD	3.05 G	92		1H08778 SUPER	6.5 G	78		99-I 1H08927 VARS	3.1 G	75		1H08654 LOYDIE	4 G	96	
7H09030 RICHMAN	2.65 G	89		6H01151 HOGAN	3.01	76		29H011614 JEEVES	6.4 G	81		11H09911 ENDURO	3.1 G	68		11H09508 LADDIE	4 G	95	
29H013162 GERARD	2.50 G	91		29H010493 BURT	2.92 G	98		1H08631 LES	6.2 G	79		11H09508 LADDIE	3.0 G	78		29H011955 HORIZON	4 G	94	
203H0376 ERNESTO	2.50 G	87		29H013083 GARRETT	2.85 G	92		7H09173 PLATO	6.2 G	75		14H04876 PAXTON	3.0 G	77		200H03485 MONKTON	4 G	89	
200H05588 LAUTHORITY	2.48 G	77		14H04924 KRAMER	2.75 G	90		6H01152 ZADE	6.1 M	89		7H08884 DOTCOM	3.0 G	74		1H08747 BEACON	4 G	88	
29H011111 BOLTON	2.39 G	99		29H013306 MAMMOTH	2.68 G	91		99-I 200H02087 DEPUTY	6.1 G	72		99-I 11H07661 OURMAN	2.9 G	85		7H08747 BRONCO	4 G	82	
99-I 11H09939 RUSH	2.34 G	79		7H09222 SHOT	2.61 G	83		99-I 251H02 PIMAN	6.0 M	64		29H013053 MCCORMICK	2.7 G	77		14H05319 LATCH	4 G	82	
98-I 29H013270 TODD	2.32 G	90		29H013291 MAURY	2.60 G	92		1H06360 WIZARD	5.9 G	99		7H09069 INGLES	2.7 G	74		N/A 11H09947 SWITCH	4	55	
6H01152 ZADE	2.29 M	96		99-I 29H013218 DEWEY	2.59 G	89		1H09103 CABHI	5.9 G	74		29H011990 Z-DUKE	2.6 G	80		11H08031 HATLEY	5 G	99	
29H013383 MAHOGANY	2.27 G	84		7H08866 CARUSO	2.53 G	91		536H0322 JANCE	5.8 G	74		11H08801 PRINCE	2.6 G	79		97-I 29H011359 JUNIPER	5 G	99	
29H012209 SHOTTLE	2.23 G	99		94H0863 ARUDOLF-RED	2.44 G	91		99-I 1H08927 VARS	5.7 G	75		29H08538 DIE-HARD	2.5 G	99		11H06708 ACTIVIST	5 G	99	
7H08165 MILLION	2.22 G	90		29H011971 DISCOVER	2.34 G	90		1H09167 O-STYLE	5.7 G	70		93-I 97H01608 CHASSEE	2.5 M	94		11H07856 SPARTA	5 G	99	
14H05399 KOLTON	2.21 G	83		7H08662 LARIAT	2.33 G	93		1H09137 SLY	5.6 G	74		29H013011 PILOT	2.5 G	76		29H011942 JUNCTION	5 G	98	
29H011990 Z-DUKE	2.19 G	91		14H05223 PRECISION	2.28 G	89		14H04148 NIFTY	5.4 G	82		99-N 1H08784 FREDDIE	2.5 G	72		7H08444 GRAYBIL	5 G	98	
29H013454 MOTIF	2.18 G	75		203H01105 CODY	2.25 G	90		1H08777 AWESOME	5.4 G	78		7H06417 O MAN	2.4 G	99		11H09317 OTTO	5 G	97	
7H09173 PLATO	2.17 G	88		29H013250 STRATEGIST	2.23 G	92		N/A 97H06588 DIAMOND	5.4	75		1H07169 LOTTO	2.4 G	90		14H04766 CHAMP	5 G	96	
1H09225 DON JUAN	2.15 G	71		11H09459 TARMAC	2.21 G	91		29H013359 ADRIAN	5.4 G	75		7H07615 COLBY	2.4 G	82		11H09911 ENDURO	5 G	96	
7H09510 CONNER	2.13 G	82		99-I 11H09578 OLIN	2.21 G	90		7H06417 O MAN	5.3 G	99		29H011993 FOCUS	2.4 G	80		203H0376 ERNESTO	5 G	96	
200H05577 JERRICK	2.12 G	81		14H04956 DOTSON	2.17 G	90		11H09703 ROSS	5.3 G	76		97-I 29H011359 JUNIPER	2.4 G	79		99-N 1H08784 FREDDIE	5 G	95	
29H013306 MAMMOTH	2.11 G	91		29H012209 SHOTTLE	2.16 G	99		99-I 29H013206 APPLETON	5.3 G	75		7H07853 MICHAEL	2.4 G	78		7H08361 DOMINGO	5 G	93	
1H07235 TOYSTORY	2.09 G	99		7H08530 AUTUMN	2.14 G	92		* Five bulls tied at 5.2 PL				7H08559 BOGART	2.4 G	73		7H08625 BUTCH	5 G	93	
14H05434 TRUMP	2.09 G	82		7H08884 DOTCOM	2.12 G	89						* Two bulls tied at 2.3 DPR				29H011938 MYLES	5 G	93	
91H04607 CUPID	2.09	78		7H08772 GROOVY	2.10 G	90										29H013053 MCCORMICK	5 G	92	
200H05575 JORDAN	2.03 G	83		98-I 29H013330 JAYTON	2.10 G	90										1H09315 ALABAMA	5 G	89	
14H04878 KALAHARI	2.02 G	91		7H08444 GRAYBIL	2.10 G	89										29H011993 FOCUS	5 G	89	
7H08398 MUFFIN	2.02 G	88		200H05398 FINLEY	2.09 G	90										14H04929 MAN-O-MAN	5 G	88	
11H09647 IOTA	2.01 G	90		91H04607 CUPID	2.08	78										29H013010 DONAIRO	5 G	88	
7H07615 COLBY	2.00 G	93		1H08910 MATRIX-RED	2.07 G	86										7H08659 SILVA	5 G	88	
7H08924 ZMANNER	1.98 G	88		6H01146 ROXY	2.07 G	85										29H013250 STRATEGIST	5 G	87	
1H08778 SUPER	1.97 G	89		97H08718 YANK	2.05 G	82										7H08715 OFFICER	5 G	87	
29H010483 JAMMER	1.95 G	98		54H0480 LEGEND	2.03 G	82										7H08866 CARUSO	5 G	85	
7H08856 NIAGRA	1.94 G	90		29H011970 MAPLE	2.02 G	90										200H0402 MANIFOLD	5 G	84	
97H08718 YANK	1.94 G	82		97-I 29H011359 JUNIPER	1.99 G	90										29H013073 ELLROD	5 G	84	
29H013062 COASTAL	1.92 G	89		1H09225 DON JUAN	1.99 G	71										11H09785 MATARO	5 G	84	
54H0509 PERPETUAL	1.89 G	72		29H013062 COASTAL	1.96 G	89										7H09510 CONNER	5 G	83	
7H09061 BOWLER	1.87 G	87		7H09173 PLATO	1.96 G	88										1H08919 INFINITE	5 G	82	
7H08477 GABOR	1.85 G	90		29H011614 JEEVES	1.95 G	89										7H08884 DOTCOM	5 G	81	
98-I 7H08925 OWEN	1.85 G	87		11H08801 PRINCE	1.94 G	90										7H08744 SECRET	5 G	80	
200H03491 AURORA	1.85 G	81		99-I 29H013206 APPLETON	1.94 G	89										7H08913 RHOMAN	5 G	80	
200H05049 ASHLAR	1.84 G	80		7H08659 SILVA	1.93 G	89										36H0303 WHITMAN	5	71	
99-I 11H09578 OLIN	1.83 G	90		29H013402 GENUINE	1.93 G	87										98-I 222H0619 SHOGUN	5 G	70	
14H05156 MAST	1.82 G	90		200H02128 AXION-RED	1.92 G	90													
7H08662 LARIAT	1.79 G	93		1H09188 PLATE	1.92 G	75													
29H013401 CHARLOT	1.78 G	86		29H013517 SHOLTEN	1.90 G	80													
98-I 6H01063 SHOWBOY	1.77 M	69		11H07856 SPARTA	1.89 G	92													
7H08822 TOWNSEND	1.76 G	93		14H04148 NIFTY	1.88 G	95													
200H02167 ACHIEVER	1.75 G	78		14H04929 MAN-O-MAN	1.88 G	91													

Jersey top bulls

Top 50 Ranked by Net Merit \$				Top 25 Ranked by JPI				
NAAB Name	NM\$	Rel.		NAAB Name	JPI			
236JE146	ZUMA	646 M	61	236JE146	ZUMA	197 M		
7JE714	MATINEE	483 G	93	29JE3506	LEGAL	178 G		
200JE990	MILITIA	475 G	93	14JE473	LOUIE	177 G		
29JE3506	LEGAL	472 G	76	236JE3	IMPULS	172 G		
236JE145	JANTE	472 M	63	29JE3510	HEADLINE	165 G		
203JE607	MAXIMUM	466 G	93	7JE860	ECLIPES-P	161 G		
14JE473	LOUIE	442 G	85	236JE145	JANTE	156 M		
228JE105	JAS BUNGY	442 M	84	200JE990	MILITIA	151 G		
236JE3	IMPULS	432 G	98	1JE672	GOOSE-PR	150		
29JE3510	HEADLINE	432 G	80	7JE865	KYROS	149		
236JE124	TOPHOLM	425 M	71	11JE884	MERCHANT	148 G		
97JE6549	MURMUR	411 M	48	1JE604	GANNON-PR	147 G		
11JE884	MERCHANT	405 G	82	29JE3508	LYNDON	144 G		
228JE143	INDICA	403 M	61	7JE714	MATINEE	142 G		
29JE3508	LYNDON	393 G	77	228JE143	INDICA	142 M		
11JE921	KILOWATT	386 G	77	7JE1100	KANOO	141 G		
1JE654	ALLSTAR	384 G	81	1JE631	NESTOR	136 G		
147JE6063	SUMMIT	383 G	84	97JE6549	MURMUR	134 M		
7JE1100	KANOO	379 G	76	11JE928	ABBOTT	134 G		
14JE472	ALEXANDER	378 G	85	1JE639	SUN VALLEY	134 G		
1JE655	ARTISTIC	368 G	67	228JE105	JAS BUNGY	133 M		
236JE123	ARON	368 M	66	29JE3542	BALLARD	132 G		
7JE860	ECLIPES-P	365 G	77	203JE607	MAXIMUM	130 G		
11JE928	ABBOTT	362 G	75	122JE5198	ABE	130 G		
1JE631	NESTOR	361 G	80	7JE1000	TBONE	130 G		
228JE118	LIRSK	360 M	76	Top 25 genomic-only by Net Merit \$				
200JE946	DICE	359 G	78	NAAB Name	NM\$	Rel.		
1JE639	SUN VALLEY	358 G	76	14JE537	LOTTO	598 G	66	
29JE3346	JEVON	356 G	91	200JE60	RENEGADE	553 G	59	
122JE5198	ABE	355 G	98	29JE3665	VIRGIL	512 G	61	
29JE3542	BALLARD	349 G	77	1JE670	JOULE	495 G	59	
236JE122	MAY	348 M	71	147JE6183	BLITZEN	494 G	60	
11JE869	KOKOMOO	342 G	79	29JE3647	VIBRANT	491 G	64	
11JE771	TUESDAY	341 G	92	7JE1057	DANDY	489 G	57	
1JE604	GANNON-PR	333 G	85	7JE1047	HUGO	485 G	62	
7JE821	SPECTACULAR	331 G	78	147JE6187	DONOVAN	473 G	58	
11JE834	JESTER	326 G	82	200JE455	UPPERCUT	469 G	63	
29JE3360	RESTORE	325 G	84	29JE3668	JOSTEN	453 G	59	
236JE129	TIM	325 M	67	11JE1039	VACATION	453 G	57	
200JE940	ADVICE	321 G	84	1JE741	SENECA	447 G	58	
7JE865	KYROS	321	73	1JE666	VERMEER	431 G	58	
7JE762	FANTOM	310 G	83	7JE1038	VALENTINO	419 G	66	
29JE3509	KARL	309 G	77	203JE1026	LASTING	414 G	67	
11JE931	MAGICIAN	309 G	67	203JE1117	ROCKHARD	409 G	60	
200JE314	LEGACY	307 G	89	1JE726	JAVELIN	403 G	63	
1JE672	GOOSE-PR	304	64	7JE1037	VANDYKE	399 G	62	
1JE651	DENALI	303 G	74	29JE3563	FORBES	397 G	59	
147JE6173	SENTRY	300 G	75	1JE754	FIG	395 G	65	
1JE633	WARRIOR	298 G	77	29JE3678	BLADE	387 G	56	
11JE877	ARON	297 G	82	14JE533	VITO	386 G	64	
				147JE6186	BANKER	380 G	63	
				7JE1063	LAWSON	377 G	61	

Note: Bulls in this list above are not progeny tested.

Brown Swiss Top 20 PPR Bulls

Name of Bull	NAAB Code	Selection Indexes				Production-related PTAs						Type Data				
		NM\$	Rel.	CM\$	PPR	lbs.M	lbs.P	%P	lbs. F	%F	Rel.	SCS	PL	PTAT	Rel.	
TOP ACRES C WONDERMENT ET 54BS456		332	75	349	201	1601	49	-0.02	63	0.00	86	2.85	1.0	G	1.0	85
SUN-MADE VIGOR ET 54BS374		547	75	601	187	557	25	0.03	25	0.01	89	2.63	7.0	G	0.8	70
HILLTOP ACRES H DRIVER ET 14BS314		402	72	477	161	622	37	0.07	45	0.09	86	3.07	1.9	G	-0.3	85
SCHARZ BS PRESIDENT ALIBABA	196BS13193	399	60	464	157	326	25	0.07	23	0.04	73	2.86	5.0	M	0.2	53
POLAR EVEN EMO PRODIGO ET 206BS21		256	59	347	153	610	39	0.08	43	0.09	62	2.89	-0.9	G	0.1	59
TRIANGLE ACRES POMERE ET	54BS392	316	75	311	144	1380	41	-0.02	53	-0.01	86	3.16	0.1	G	-0.5	77
RED BRAE DAA ACE JOEL	11BS644	233	72	272	137	859	34	0.02	28	-0.03	82	2.93	1.0	G	0.1	71
ELK CREEK ACE EDDIE ET 1BS553		394	77	400	130	816	22	-0.02	10	-0.10	88	2.72	4.7	G	0.0	75
SUN-MADE GAR BRO PRONTO ET 11BS594		374	95	387	123	502	15	-0.01	18	-0.01	98	2.80	5.1	G	0.3	96
VICTORY ACRES SIMON EVEN ET	76BS900	439	96	522	118	-193	7	0.06	-4	0.02	98	2.39	5.5	G	-0.1	98
BO JOY PREMIUM GALAXY TWIN 54BS433		193	63	144	110	1283	27	-0.07	23	-0.12	75	3.10	1.0	G	0.2	65
R N R BRINKS JAD ET 14BS323		352	75	331	107	732	14	-0.04	21	-0.04	88	2.79	3.9	G	0.3	72
KULP GEN PRONTO DALLY ET 14BS320		188	77	238	100	229	18	0.05	12	0.01	89	2.96	2.6	G	0.9	72
TRIANGLE ACRES PO PAYOFF ET	14BS288	141	94	183	98	646	28	0.03	18	-0.04	98	2.91	-0.1	G	0.3	96
PLANTAHOFS POLO POLYKARP	196BS12476	185	63	198	94	704	21	0.00	22	-0.02	71	2.82	0.3	G	-0.1	55
TWINKLE-HILL DYNASTY ALLOY	54BS410	56	66	15	92	1305	29	-0.07	31	-0.10	77	3.06	-1.7	G	0.5	75
V B ACE MONARCH ET 54BS385		255	73	299	91	235	16	0.04	13	0.02	85	2.89	2.8	G	-0.1	83
BO JOY ENSIGN GOTCHA ET	120BS652	328	74	315	88	355	4	-0.03	14	0.00	85	2.72	4.6	G	0.4	85
R HART CONQUEST ET	555BS1550	335	88	359	81	-11	1	0.01	0	0.00	95	2.68	5.8	G	-0.2	92
ROLLING MEADOWS JULIO ET	555BS1695	271	75	320	77	31	9	0.03	0	-0.01	80	2.68	3.8	G	-0.2	66

Red and White Top 20 Net Merit Bulls

Name of Bull	NAAB Code	Selection Indexes				Production-related PTAs						Type Data				
		NM\$	Rel.	CM\$	TPI	lbs.M	lbs.P	%P	lbs. F	%F	Rel.	SCS	PL	PTAT	Rel.	
TOP TEN RED AND WHITE BULLS RANKED BY NET MERIT																
HEIHOEVE ARNOLD -RED	97WW6014	499	69	626	1877	-589	14	0.12	34	0.22	80	2.85	5.4	M	0.34	71
MI-RO-ZE MRMX MATRIX -RED-ET	1WW8910	402	83	407	1862	1065	29	-0.01	2	-0.14	92	2.73	4.3	G	0.76	86
DELTA FIDELITY -RED	97WW6923	386	68	566	1746	-11	44	0.17	58	0.22	80	3.10	1.9	M	-0.06	71
KAMPS-HOLLOW ARUDOLF -RED-ET	94WW863	382	87	416	1793	-760	-12	0.04	41	0.27	95	3.13	4.3	G	1.55	91
CARMANO -RED	204WW5011	371	72	393	1769	-279	-3	0.02	4	0.05	83	2.75	6.3	M	0.98	80
VAN DE PAUL KYLIAN -RED	97WW6742	350	68	441	1703	766	44	0.08	36	0.03	80	2.93	2.5	M	-0.36	70
HEIHOEVE DELTA SPENCER -RED	97WW5372	346	83	511	1684	-570	24	0.16	26	0.18	83	2.72	2.7	M	-0.01	77
AGGRAVATION LAWN BOY P-RED	7WW8223	344	94	402	1795	42	16	0.06	-7	-0.03	98	3.05	4.7	G	1.12	95
FRITZ-PRIDE TYCOON -RED-ET	6WW1124	337	76	293	1670	-149	-15	-0.04	1	0.02	88	2.58	5.1		0.29	81
HURTGEN-VUE REALITY -RED	204WW2050	326	85	390	1781	-362	5	0.06	62	0.29	95	3.04	1.7		1.92	91
TOP TEN RED FACTOR BULLS RANKED BY NET MERIT																
RONALEE SS DURABLE *RC	7WW9107	468	83	457	1942	286	0	-0.03	49	0.15	92	2.60	4.7	G	2.15	89
FICTION *RC 97WW6814		432	73	471	1792	625	28	0.03	43	0.08	83	2.73	3.0	M	0.10	78
HEATHERSTONE-V REDWOOD -ET *RC	76WW330	400	93	418	1683	339	10	0.00	21	0.03	97	2.68	5.2	G	-0.27	92
DELTA CANVAS *RC	97WW3689	377	94	385	1614	2279	68	0.00	74	-0.03	98	3.22	1.7	M	-1.25	93
ORTHOAPPLE PARADOX PETER-ET *RC	1WW7794	349	87	341	1726	1276	34	-0.02	27	-0.07	92	2.93	2.4	G	0.56	90
KHW ELM-PARK ACME -ET *RC	151WW477	315	83	386	1872	-132	15	0.07	26	0.12	93	3.12	3.9	G	2.64	86
SCHAUFINE SEP STORM CHUCK *RC 1	4WW5025	265	85	235	1588	108	-9	-0.05	43	0.15	93	2.66	2.5	G	1.44	90
RIDGEDALE-T REFRESH -ET *RC	76WW500	246	79	279	1689	-655	-17	0.01	7	0.12	87	2.57	3.4	G	1.87	84
APLOUIS ALTAALERT-ET *RC	11WW9714	233	84	295	1669	370	25	0.05	6	-0.03	93	2.91	1.8	G	0.79	88
G-TOCTIN-SM COLE -ET *RC	6WW999	227	94	228	1537	544	16	0.00	-2	-0.08	99	3.01	2.5		0.15	94

The Top Ten Red and White and the Top Ten Red Factor lists were compiled by the Red and White Dairy Cattle Association (RWDCA). All of the above 20 bulls are registered in the RWDCA herdbook as of August 17, 2010. Red and Whites must be over 60 r reliability.

*PR=Second generation grade-up Jersey.

(SMA)=Spinal Muscular Atrophy carrier

P=Polled

G=Genomic tested

M=MACE

Explanation of the headings . . .

Name of Bull	NAAB Sample		Selection Indexes				Milk, Protein and Fat					Type Data				
	Code	Code	NM\$	Rel.	CM\$	FMS	TPI	lbs.M	lbs.P	%P	lbs. F	%F	Rel.	UDC	F&L	PTAT

NAME OF BULL — Bull's registered name.

NAAB CODE — A three-part code. A number before the letter either indicates the stud code or marketing code number. Please see www.naab-css.org/membership/coding.html for a complete explanation. The letters indicate breed, the number following the letters is individual bull identification number.

LIFETIME NET MERIT - NM\$ — Combines PTAs for 9 traits in Holsteins and Brown Swiss. In the other breeds, 8 traits are used because there is no calving ability index available. The values go up slightly for each trait in those four breeds. The index gives the following weighting for Holsteins and Brown Swiss: Productive Life, 22; Fat, 19; Protein, 16; Daughter Pregnancy Rate, 11; Somatic Cell Score, -10; Udder, 7; Body Size, -6; Calving Ability, 5; and Feet and Legs, 4.

CHEESE MERIT - CM\$ — Combines PTAs for 10 traits in Holsteins and Brown Swiss. In the other breeds, 9 traits are used because there is no calving ability index available. The values go up 1.04 for each trait in those four breeds. The index gives the following weighting for Holsteins and Brown Swiss: Protein, 25; Productive Life, 15; Milk, -15; Fat, 13; Somatic Cell Score, -9; Daughter Pregnancy Rate, 8; Udder, 5; Body Size, -4; Calving Ability, 3; and Feet and Legs, 3.

FLUID MERIT - FM\$ — Combines PTAs for 9 traits in Holsteins and Brown Swiss. In the other breeds, 8 traits are used because there is no calving ability index. The values go up 1.06 for each trait in those four breeds. The index gives the following weighting for Holsteins and Brown Swiss: Productive Life, 22; Fat, 20; Milk, 19; Daughter Pregnancy Rate, 12; Udder, 7; Somatic Cell Score, -5; Calving Ability, 5; Body Size, -6; and Feet and Legs, 4.

REL. — Reliability indicates the accuracy of genetic evaluations. Reliabilities are expressed as percents and range from 1 to 99. The closer Reliability is to 99, the more reliable the Predicted Transmitting Abilities (PTAs).

TPI Holsteins — Total Performance Index is a value which is determined by placing an emphasis on production and type. The weighting for this index is 26 PTA Protein, 16 for PTA Fat, 14 PTA PL, 10 PTA Type, 10 Udder Composite, 10 Daughter Pregnancy Rate, -5 PTA SCS, 5 Foot and Leg Composite, -2 Daughter Calving Ease, -1 PTA Dairy Form, and -1 Daughter Stillbirth.

JPI Jerseys — Jersey Performance Index is a value that is determined by placing an emphasis of 40 for PTA Protein; 20 for PTA Fat; 15 for FTI (Functional Trait Index); and 12 for PTA PL (Productive Life), 7 for PTA DPR (Daughter Pregnancy Rate), 3 for FUI (Functional Udder Index), and minus 3 for PTA SCS (Somatic Cell Score).

PPR Brown Swiss — The Progressive Performance Ranking (PPR) is calculated with an emphasis of 45 for PTA Protein, 20 for PTA Fat, 8 PTA SCS, 8 PL, 10 Udder Composite, 3, DPR, 3 PTA Final Score, and 3 for Foot and Leg Composite. **PTI Ayrshires and Milking Shorthorns** — Determined by placing an emphasis of 4 for PTA Pounds of Protein, 2 for PTA Pounds of Fat, and 1 for PTA Type. **PTI Guernseys** — Computed with a weighting of 5 for PTA Protein, 1 for PTA Fat, and 1 for FHL (Functional Herd Life).

PTA LBS. P, %P, LBS. M, LBS. F, AND %F — PTAs for pounds protein, percent protein, pounds milk, pounds fat, and percent fat indicate how much more (or less) "performance" to expect from an average daughter of bull compared to a average daughter of another bull with a proof of zero. The genetic base, called PTA 00, was selected so half the cow population will have positive PTAs. It was established by setting to zero the weighted average PTAs of all cows born in 2000.

PTA SCS — Predicted Transmitting Ability-Somatic Cell Score is expressed in somatic cell score units. For somatic cell score, lower units are better. Research has shown that the lowest incidence of clinical mastitis and the fewest number of mastitis episodes occurred among daughters of bulls with the lowest PTA-SCS, and the mastitis measures increased with increasing PTA-SCS. A one-point increase in the sire's PTA-SCS was associated with a 75 percent increase in daughter's mastitis incidence in both first and second lactation.

PTA PL — Predicted Transmitting Ability-Productive Life is expressed in months a cow is in production. A higher PTA would result in a longer herd life.

UDC Holsteins — Udder Composite Score is a ranking of bulls based on ability for udder improvement. Weights for the various udder traits are: Udder Depth, 35 percent; Front Teat Placement, 5 percent; Rear Udder Height, 16 percent; Fore Udder Attachment, 16 percent; Rear Udder Width, 12 percent; Udder Cleft, 9 percent, and Rear Teat Placement, 7 percent.

F&L Holsteins — Feet and Leg Composite Score is a ranking of bulls based on ability for feet and leg improvement. Weights for the four traits are: Foot Angle, 24 percent; Rear Legs, Rear View, 18.5 percent; Rear Legs, Side View, 7.5 percent; and 50 percent Feet and Leg Breakdown.

CALVING EASE — Service sire calving ease is the tendency of calves from a particular sire to be born more easily (or more difficult) than an average calf. **Sire Stillbirth** is the tendency of newborn calves sired by a particular bull when mated to heifers to be born dead or die within the first 48 hours after birth. Bulls with lower numbers sire more live calves.

Guernsey Top 10 Net Merit Bulls

Name of Bull	NAAB Code	Selection Indexes				Production-related PTAs						Type Data			
		NM\$	Rel.	CM\$	PTI	lbs.M	lbs.P	%P	lbs. F	%F	Rel.	SCS	PL	PTAT	Rel.
SNIDERS RONALDS ALSTAR	7GU398	486	71	453	149	992	21	-0.06	43	0.00	85	3.03	5.2	0.6	82
PINE RIDGE DOUBLE L	200GU109	446	73	435	101	88	0	-0.02	30	0.15	86	2.63	6.1 M	1.2	73
WESGRAY LEGACY KAPTAIN	14GU309	424	50	423	126	1074	31	-0.02	48	0.00	69	3.04	3.9	0.0	53
GOLDEN J RONALD GRUMPY	7GU405	419	69	434	146	663	23	0.01	39	0.05	84	2.94	4.7	1.0	79
MYOWN POKER BINGO-ET	200GU111	414	68	439	121	731	27	0.02	42	0.06	83	2.79	3.4 M	-0.2	68
SNIDERS OPTION AARON	7GU395	367	81	357	185	920	24	-0.03	63	0.12	92	2.80	2.1 M	1.1	87
SPRING WALK ICY ICEBERG	1GU433	260	61	263	137	977	29	-0.01	42	0.00	80	3.01	0.9	0.5	66
MYOWN POKER BAMBOOZLE-ET	1GU424	238	67	285	104	642	30	0.05	46	0.10	80	2.70	-0.1	-0.5	75
GOLDEN J LES GEORGE	1GU434	235	51	233	110	188	5	-0.01	38	0.17	69	2.92	2.5	1.9	62
LANG HAVEN DECISIONS NATURAL	7GU412	219	65	270	99	253	20	0.07	19	0.05	81	2.94	2.2	1.0	79

Ayrshire Top 10 Net Merit Bulls

Name of Bull	NAAB Code	Selection Indexes				Production-related PTAs						Type Data			
		NM\$	Rel.	CM\$	PTI	lbs.M	lbs.P	%P	lbs. F	%F	Rel.	SCS	PL	PTAT	Rel.
CARMELGLEN BRODY	190AY10	603	42	671	149	1366	56	0.07	67	0.07	57	3.09	4.9		
KELLCREST HUMOUR	200AY328	534	62	576	137	779	33	0.04	50	0.10	79	2.83	4.6 M	0.3	63
KILDARE PERCY-ET	200AY622	501	55	530	225	2384	77	0.01	86	-0.03	74	2.75	0.2 M	0.0	54
DUO STAR NORMANDIN	200AY594	500	70	484	139	1294	34	-0.04	41	-0.05	81	2.75	4.2 M	1.0	62
VATMARKEN MIKA	190AY7	409	51	447	85	1022	39	0.04	39	0.00	62	2.81	3.3	-1.1	52
PA HILL JULLI NIGEL-ET	190AY9	403	41	457	124	1069	44	0.06	66	0.13	57	3.13	1.7		
HIDDEN-VALLEY GARTH	76AY732	394	65	422	30	-163	2	0.04	-4	0.01	80	2.52	6.7	0.6	74
JELYCA OBLIQUE	200AY329	371	54	380	158	1094	34	0.00	68	0.13	75	2.85	1.4 M	0.9	56
LAGACE RISTOURN	200AY601	358	70	364	110	802	25	0.00	38	0.03	82	2.91	3.3 M	0.8	64
VISSERDALE ETRO-ET	200AY311	351	74	411	146	1274	52	0.06	38	-0.06	84	2.48	0.2 M	0.2	66

Milking Shorthorn Top 2 Net Merit Bulls

Name of Bull	NAAB Code	Selection Indexes				Production-related PTAs						Type Data			
		NM\$	Rel.	CM\$	PTI	lbs.M	lbs.P	%P	lbs. F	%F	Rel.	SCS	PL	PTAT	Rel.
BAR-D-KUSZMAR CLAY	7MS341	85	86	69	36	95	-1	-0.02	30	0.16	95	3.00	1.5	0.3	80
BLISSFUL DIAMOND SAM	7MS344	57	79	33	26	133	-2	-0.04	8	0.02	93	2.80	0.6	0.5	74

*FC = Carrier of the genetic recessive that causes milk to have a fish odor