

# A.I. Sire Summary

This report contains the latest USDA-DHIA genetic evaluation on 310 sires. These are proven sires with semen available through each of the four studs (MABC, Curtiss, Carnation, ABS) at the time this bulletin was printed.

Sires are ranked in this bulletin by the expected differences of their future daughters and their herd mates as expressed by the Predicted Difference value for income (PD\$\$). The PD\$\$ combines economic aspects for both milk and fat. Due to the increasing average merit and number of sires available, we culled those Holstein bulls with PD\$\$ less than \$55 and bulls of other breeds with PD\$\$ less than \$40.



By Dept. of Dairy Science Staff: Ivan L. Mao and Roger R. Neitzel with technical assistance from Ted Ferris.

## NOTE

Dairymen using these sire rankings as an aid for choosing bulls need to exercise caution. In addition to a bulls' ability to improve production, you consider price per dose of semen, conception rate, and the physical traits of his daughters. Through the purchase of several bulls rather than one you can influence the price per dose, reduce the risk of poor conception, and have some choice when mating your cows.

Most of you accomplish the above by either setting some average PD for the bulls you use, or some minimum level of PD for your herd. The practice is sound, but you must move your standards up at least once a year or you will not accomplish your goal.

Production per cow in Michigan has increased 1,619 lb during the last three years. Part (most!) of this is due to the bulls you have used. The genetic change has not been adjusted for in the sire summaries since 1974. All sire summaries are labeled PD-74.

We suggest moving your standards for PD milk up at least 100 lb per year.

## Explanation of Headings

REGISTRATION NUMBER and CODE NAME of sire.

STUD CODE for technicians.

NO. HERDS in which records were made.

NO. DAUS. with production records.

PCT. INC. (percent 1st cull) represents the portion of a sire's daughters which were removed from the herd before completing a first lactation.

PCT. RIP (percent records-in-progress) denotes the portion of a sire's daughter-records on in-progress lactations.

PCT. RPT. (percent repeatability) is an index value which measures the reliability of the PD considering the number of daughter records and its distribution over herds.

PREDICTED DIFFERENCE is to be used to measure the sire differences in ability to transmit production potential. Predicted Difference indicates the amount of MILK, PCT (% test), FAT, and \$\$\$ (dollar value) that future daughters of a sire are expected to differ from their herd mates of zero PD bulls. Prices used were \$9.50 per cwt. for 3.5% milk with an 11.4 cent fat differential. The dollar value is the difference in gross value of product that should return per lactation.

## Summary of A.I. Sires Recommended to Michigan Dairymen

Breed	No. Bulls	PD Milk	PD%	PD Fat	PD \$\$	% Rpt
Ayrshire	8	+ 723	-.06	+ 21	+ 64	85%
Guernsey	25	+ 861	-.06	+ 35	+ 86	70%
Holstein	217	+ 1077	-.07	+ 28	+ 91	64%
Jersey	46	+ 956	-.15	+ 33	+ 91	59%
Brown Swiss	14	+ 980	-.06	+ 31	+ 89	62%

REGISTRATION NUMBER	NAME	STUD CODE	NO. HERDS	NO. DAUS.	PCT CULL	PCT RIP	PCT RPT	PREDICTED MILK	DIFFERENCE PCT	74 FAT	\$\$\$
<u>AYRSHIRE</u>											
M A B C - SELECT SIRES											
130174	BOY	9A79	110	241	15	33	90	802	-.11	19	66
131142	COMMANDERS STAR	9A30	112	407	8	12	93	678	-.06	20	60
132896	JACK	3A86	189	500	14	13	95	624	-.08	16	53
CURTISS											
134172	GEMINI	40A434	92	186	12	39	87	609	-.16	6	40
GENETICS - CARNATION											
130952	LEGEND	11A0410	50	139	10	5	83	784	.10	42	91
131142	COMMANDERS STAR	11A0411	112	407	8	12	93	678	-.06	20	60
A B S											
130772	JUMBO	29A7615	12	44	20	14	58	966	-.04	33	91
134469	STARBOY	29A7613	61	104	9	32	80	639	-.09	15	52
<u>GUERNS EY</u>											
M A B C - SELECT SIRES											
579953	B. HAVERICK	7G1038	42	208	13	33	83	1226	.00	58	134
580204	CHOICE	3G145	57	119	12	24	83	1216	-.11	46	119
585495	PREMIER	7G1036	35	75	6	48	73	908	.10	53	110
583873	PATRICIAN	7G1030	34	66	13	8	74	1144	-.14	39	107
570735	HOLLEREX	3G130	521	1990	14	25	98	859	.10	51	105
579293	T C CHIEF	7G129	15	16	20	0	51	847	-.13	27	77
579362	QUANTITY	17G77	81	317	14	24	90	609	.06	35	73
583872	FANCY	7G142	47	87	15	59	77	843	-.21	19	68
576489	CHEER	7G166	9	38	19	6	55	768	-.16	20	65
569288	WINSTON	7G957	335	1092	10	33	97	514	-.02	22	53
CURTISS											
582195	DEACON	40G1010	15	39	3	14	61	1218	.08	66	142
585136	BART	40G1001	60	106	10	44	79	1074	-.01	50	116
577154	FLASH	40G1008	24	61	15	2	72	873	-.13	28	88
581091	COMMAND	40G1009	4	23	19	20	39	882	-.26	15	66
586113	DORAN	40G1004	14	21	***	86	43	494	.04	27	58
GENETICS - CARNATION											
575523	CLEVERLANDS	11G0215	27	92	7	39	67	834	-.22	17	65
576489	CHEER	11G0216	9	38	19	6	55	768	-.16	20	65
566944	D FORTUNE	15G0108	52	204	8	41	81	554	-.09	17	44
A B S											
583550	FABIAN	29G0788	41	148	22	12	79	1342	-.01	62	145
586731	TELESTAR	29G0796	47	65	***	91	72	1269	.03	63	142
585398	MARTIN	29G0791	25	41	4	27	64	871	-.16	25	76
580919	FAYVOR	29G0784	457	1450	15	12	98	663	.01	32	73
585588	TOP PILOT	29G0792	36	64	29	55	71	907	-.24	18	70
586159	ZORD	29G0799	12	16	***	100	40	550	.03	29	63
584974	BON	29G0793	22	35	27	57	59	280	.13	26	45

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REGISTRATION NUMBER	NAME	STUD CODE	NO. HERDS	NO. DAUS.	PCT CULL	PCT RIP	PCT RPT	PREDICTED MILK	DIFFERENCE PCT	74 FAT	\$\$\$
<u>JERSEY</u>											
<b>M A B C - SELECT SIKES</b>											
614850	MERCURY	7J72	58	139	12	34	84	1622	-.13	68	167
617287	EARL	7J112	5	14	0	8	32	1519	-.32	44	134
613173	SAMSON	7J102	11	76	4	25	63	1132	-.19	38	106
611085	PHIL	7J95	64	217	3	41	86	1026	-.13	39	101
615125	TESTER	7J104	5	23	6	15	38	978	-.10	40	99
621642	BANKER	7J3093	11	26	***	58	49	716	.08	44	90
619366	HERITAGE	7J90	16	36	24	23	56	887	-.10	35	89
617178	DAIRYMAN	7J85	22	30	17	14	62	1038	-.28	25	86
606421	IEB	7J97	13	47	6	28	55	901	-.17	29	83
616611	NOBLE	7J74	23	33	13	0	66	552	.07	34	69
618381	JUDGE	7J87	9	13	10	9	40	678	-.13	22	62
623470	HILLBILLY	7J99	17	30	***	97	51	631	-.10	22	60
<b>CURTISS</b>											
617923	MIDNIGHT	40J583	8	20	0	0	44	1265	-.29	35	110
618593	ETHAN ALLEN	40J582	2	32	0	13	35	1114	-.18	38	105
606982	FREDERICK	40J566	246	1070	8	22	97	948	-.05	43	101
615053	VIRGINIAN	40J564	50	82	6	9	81	1064	-.28	26	88
614820	OPPORTUNITY	40J580	10	20	0	12	49	768	-.01	38	86
621309	BENJAMIN	40J574	13	15	***	73	39	774	-.07	32	79
617585	PARSON	40J568	59	121	13	25	83	885	-.23	22	74
615385	MILK KING	40J579	8	14	0	0	44	535	.07	34	68
614987	SIGNAL PINN	40J576	4	18	9	8	39	643	-.15	18	56
620961	QS GREEK	40J572	14	24	***	75	47	664	-.17	17	56
621221	PRUDENT	40J570	12	15	***	79	37	516	-.11	16	47
616742	PACESETTER	40J565	289	873	11	15	97	592	-.23	8	42
<b>GENETICS - CARNATION</b>											
619994	STARN GENERAL	11J0317	21	58	0	36	68	1871	-.40	52	162
618324	DYNAMIC	24J310	13	25	4	0	54	1402	-.28	42	125
618863	FAVORITE SHAMROCK	24J0307	9	13	8	8	39	1280	-.19	45	122
605836	MASTER PRINCE	11J0314	169	754	12	29	95	1193	-.21	39	110
617652	PHILS MILK BOY	24J0301	21	51	3	16	69	866	-.02	42	96
622217	SILVER MINT	11J0322	7	20	17	35	40	771	-.01	38	86
618062	SPARKPLUG	24J0305	12	29	19	7	58	1053	-.37	17	77
613308	TRIS BANNER	24J616	14	31	8	38	59	704	-.04	32	75
617655	FAVORITE JUAN	24J0306	20	59	8	6	70	635	.01	33	73
610058	ADONIS SALUTE	11J0320	21	55	11	45	62	641	-.10	23	62
620479	MODEL QUICKSILVER	24J0312	7	25	16	20	40	472	.06	29	59
614821	WOODSMAN	24J647	13	28	25	0	58	501	.00	25	56
615017	TENN TRAVELLER	24J649	18	47	24	5	67	515	-.17	10	40
<b>A B S</b>											
620428	JEWELER	29J2785	4	74	0	26	39	1857	-.32	60	171
619710	BRIAR	29J2789	9	21	0	0	47	1479	-.24	50	138
616022	BOLD TORONO	29J2788	11	42	6	12	59	1590	-.41	38	131
619853	PREDICTOR	29J2764	42	119	6	62	79	1165	-.16	43	113
621333	BRAVE SOLDIER	29J2791	7	20	0	50	42	1476	-.46	27	112
615066	PLUS	29J2742	30	50	16	6	73	915	-.05	41	97
620324	STAR-TREK	29J2749	25	40	4	17	63	857	-.15	29	80
616323	GOLDEN LAD	29J2784	12	31	4	7	58	609	.05	35	73
609485	SLEEPING MILESTONE	29J2755	350	1216	6	56	97	662	-.24	11	49
<u>BROWN SWISS</u>											
<b>M A B C - SELECT SIKES</b>											
154912	EVILO	78625	42	70	4	4	78	2269	-.15	70	205
163153	IMPROVER	218415	44	81	0	62	74	1644	-.09	54	152
146947	DEL	9856	452	1865	11	23	98	1249	-.04	45	120
159771	KING	78629	36	45	4	18	68	1264	-.12	35	110
158853	TOM JONES	148144	81	185	7	33	87	922	-.03	33	88
162885	SUCCESS	78631	9	11	***	45	31	987	-.19	16	73
150000	GEDRIC	78632	23	51	0	42	62	508	.09	31	63
<b>CURTISS</b>											
163860	STRETCH JIM	408351	3	21	0	18	27	831	-.08	24	73
<b>GENETICS - CARNATION</b>											
156033	BANCO	1180518	13	43	3	0	63	528	-.02	19	51
152968	ROCKY	1180519	12	32	4	11	57	537	-.10	9	40
<b>A B S</b>											
159994	HAMLET	2983672	4	11	***	11	25	1049	-.14	24	85
155075	CARSON	2983667	9	34	11	0	50	717	.06	36	81
153837	CITATION	2983650	80	170	13	11	89	679	-.07	18	58
158262	MARAUDER	2983662	14	30	9	10	57	536	-.02	19	51





REGISTRATION NUMBER	NAME	STUD CODE	NO. HERDS	NO. DAUS.	PCT CULL	PCT RIP	PCT RPT	PREDICTED MILK	DIFFERENCE PCT	FAT	7% \$\$\$
A B S -CONTINUED-											
1629121	TRADITION	29H2754	25	28	0	22	59	1397	-.10	36	118
1587904	SEAMAN PAUL	29H2581	22	26	0	22	61	1330	-.07	38	117
1633783	SHINE	29H2814	19	22	***	45	52	1170	.02	46	117
1602410	BOUQUET	29H2655	26	33	10	6	66	1147	.03	46	116
1629385	MILESTONE	29H2785	75	112	2	50	82	1531	-.18	27	115
1634846	AMITY	29H2767	24	32	0	21	61	1220	-.03	39	112
1644615	TONI	29H2798	21	24	***	63	52	1099	.03	44	111
1564328	DEMAND	29H2510	106	157	4	31	89	1639	-.27	17	110
1450228	BOOTMAKER	29H1881	6170	21872	6	5	99	1263	-.08	34	108
1638034	MARKER	29H2809	19	24	***	88	52	1263	-.10	31	105
1630990	TRAILMAKER	29H2744	34	42	13	15	68	1125	-.03	36	103
1634703	AARON	29H2776	25	41	8	30	63	982	.04	42	102
1577799	SUNSHINE	29H2477	55	70	16	38	79	869	.08	44	98
1570322	FOND MASTER	29H3225	9	60	5	19	51	855	.09	44	97
1594537	BAMA	29H3210	9	52	5	4	52	1122	-.06	31	97
1615951	BLACK STAR	29H2679	29	37	9	0	68	1168	-.09	28	95
1633380	FROSTY	29H2779	22	28	***	65	56	1106	-.06	31	96
1616359	BUD	29H2694	21	24	10	5	57	982	.00	36	95
1589857	THADDEUS	29H3140	2	45	10	2	36	1156	-.10	27	94
1563679	ART	29H2417	100	126	14	64	86	860	.06	40	93
1615549	MAPLE BEN	29H2665	29	37	13	3	67	938	.01	36	93
1648465	ARMSBY	29H2825	36	42	***	83	65	1250	-.17	20	92
1608372	STANDOUT STAR	29H2669	23	37	4	0	65	1178	-.13	23	91
1601125	BULLY THE KID	29H3370	4	32	5	26	41	1041	.06	29	90
1642991	SYMBOL	29H2818	24	29	***	76	58	1000	-.04	31	90
1556820	GERRI	29H2434	122	167	3	73	88	976	-.03	31	89
1632079	GEMINI	29H2770	50	71	0	61	75	729	.11	43	89
1599189	MISTER-RED	29H2822	5	29	0	22	37	1051	-.08	26	88
1664494	GAL	29H2905	19	24	***	100	50	1144	-.13	21	87
1693217	GAY MAN	29H3335	8	30	4	10	45	1000	-.06	27	86
1613580	RUMLER	29H3350	8	26	0	5	49	984	-.05	28	86
1580859	ALLIANCE	29H2559	34	47	8	3	73	1005	-.07	26	85
1608353	MASTER	29H2820	33	57	6	69	69	1047	-.09	24	85
1609575	BLACKCAP	29H2662	26	35	3	0	68	773	.05	36	84
1615950	STAR	29H2680	24	31	3	0	63	816	.03	34	84
1636144	ASTROTURF	29H2783	27	34	17	52	61	1091	-.12	21	84
1652465	IVY	29H2890	25	35	***	91	58	858	.01	32	84
1555814	COMET	29H2980	47	81	3	45	74	1058	-.11	21	82
1617071	BOOT-NICK	29H2719	77	116	9	36	84	1029	-.10	22	82
1575285	IMPERIAL KNIGHT	29H2501	30	42	9	11	72	772	.04	34	81
1531866	COMBINATION	29H1960	1956	4233	8	49	99	1014	-.10	21	80
1619340	CHIEFTAIN	29H2720	25	31	22	8	61	990	-.11	20	77
1601674	BOOTMARK	29H2637	89	142	10	20	87	911	-.07	23	76
1564147	GRAND SUPREME	29H2465	78	92	5	52	82	1233	-.27	4	72
1599964	KENNEDY	29H2628	33	42	6	11	71	1078	-.19	10	71
1608369	ANN MAPLE	29H3385	2	30	0	43	31	478	.15	39	71
1611956	KNIGHT	29H2691	31	43	5	3	70	1065	-.18	11	71
1589401	PERFORMER	29H2554	41	52	11	0	77	818	-.06	21	69
1608374	ASTRO ROCKET	29H2668	33	42	6	3	70	676	.02	28	69
1593395	TOP COMMAND	29H2588	29	45	10	0	72	595	.06	31	68
1636562	LIFT OFF	29H2830	43	68	***	75	72	895	-.11	16	68
1564639	FAMOUS NED	29H2470	25	27	10	0	66	643	.02	27	66
1562242	POLYKNIGHT	29H2456	31	41	6	0	73	847	-.11	15	64
1625853	ELEVATOR	29H2739	24	25	0	14	57	885	-.13	13	64
1602047	TIDY SILVER	29H2636	27	33	7	0	67	949	-.19	6	59
1611107	PRINCE VALIANT	29H2685	193	303	11	61	92	778	-.10	14	59
1541533	FOND BILLY	29H2389	95	126	11	55	87	655	-.04	18	57
1629391	TRIPLE THREAT	29H2775	152	251	3	47	91	436	.09	29	57
1632413	SKYMAN	29H2764	22	30	0	41	59	509	.04	24	55