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A.I. Sire Summary

Michigan State University

Cooperative Extension Service

Farm Science Series

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A.I. Sire Summary

This report contains the latest USDA-DHIA genetic evaluation on 324 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 herdmates 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.



Prepared by Ivan L. Mao and Clinton E. Meadows, Extension Dairy Specialist, with technical assistance from Roger R. Neitzel, Charles Goeke and Francis Ruvuna.

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 NAME of sire.

STUD CODE for technicians.

NO. HERDS in which records were made.

NO. DAUS. with production records.

PCT. INC. (percent incomplete) represents the portion of a sire's daughters in their first lactation that died or were sold before milking 305 day.

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 herdmates of zero PD bulls. Prices used were \$9.50 per cwt. for 3.5% milk with an 10.7 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	10	+ 831	-.08	+ 24	+ 74	87%
Guernsey	24	+ 831	-.08	+ 31	+ 81	69%
Holstein	234	+ 1017	-.07	+ 26	+ 85	61%
Jersey	43	+ 927	-.15	+ 32	+ 87	57%
Brown Swiss	13	+ 875	-.04	+ 30	+ 83	63%

REGISTRATION NUMBER	NAME	STUD CODE	NO. HEROS	NO. DAUS.	PCT CULL	PCT RIP	PCT RPT	PREDICTED MILK	DIFFERENCE PCT	FAT	7% \$\$\$
<u>AYRSHIRE</u>											
M A B C - SELECT SIRES											
128289	MAR-RAL HI KICK.....	7A41	160	465	6	33	93	1337	-.12	39	118
129110	MAR-RAL <u>COMMANDERS PRIDE</u>	3A73	375	1323	10	17	98	935	-.19	15	69
130174	MAR-RAL FICKLES BOY.....	9A79	96	210	14	40	89	682	-.08	18	58
132896	TOLL GATE CHOICE JACK.....	3A86	173	459	14	15	94	626	-.08	16	53
131142	OAK RIDGE <u>COMMANDERS STAR</u>	9A30	105	373	7	8	92	644	-.05	20	58
CURTISS											
134172	FAIRDALE BETTYS <u>GEMINI</u>	40A434	92	186	12	39	87	609	-.16	6	40
GENETICS - CARNATION											
130952	BRISKLEA <u>LEGEND</u>	11A0410	48	132	8	7	83	744	-.09	40	87
131142	OAK RIDGE <u>COMMANDERS STAR</u>	11A0411	105	373	7	8	92	644	-.05	20	58
A B S											
131460	REIDINA PREFERRED <u>COMMANDER</u> ...	29A7611	98	275	15	8	91	1170	-.07	38	108
130772	ANCHOR HERE <u>JUMBO</u>	29A7615	10	36	21	8	53	921	-.05	31	86
<u>GUERNSEY</u>											
M A B C - SELECT SIRES											
579953	OLYMPIC VIEW B MAVERICK.....	7G1038	33	160	12	43	80	1185	-.02	54	127
580204	KELLOGG <u>MINNIES CHOICE</u>	3G145	46	103	12	11	81	1276	-.12	48	125
583873	FALCONS WISTAR <u>PATRICIAN</u>	7G1030	31	59	14	14	71	1173	-.15	40	110
567336	SANDE HILL <u>DOUBLE SMORY</u>	7G126	290	969	10	13	97	1202	-.29	26	96
585495	WESTERN GLOW WISTAR <u>PREMIER</u> ...	7G1036	25	52	9	58	64	625	-.11	40	80
579362	SCHWINGHAMER FARM <u>QUANTITY</u>	17G77	73	268	11	23	89	661	.06	37	79
579293	KELLOGG T C <u>CHIEF</u>	7G129	15	16	20	0	51	837	-.13	26	76
576489	KELLOGG NANCES <u>CHEER</u>	7G166	9	37	19	6	54	771	-.16	20	65
569288	EBER LEA FARMS <u>WINSTON</u>	7G957	335	1092	10	33	97	514	-.02	22	53
573308	HOMEWOOD <u>PROUD BILLY</u>	7G150	29	54	13	45	71	303	.14	28	49
CURTISS											
582195	LYRENE WISTAR <u>DEACON</u>	40G1010	16	37	0	27	59	1224	.08	66	143
585136	GRANDVIEW WISTARS <u>BART</u>	40G1001	46	72	13	66	71	1158	-.02	53	124
577154	ATTEAROC FLASH <u>DIVIDEND</u>	40G1008	24	60	17	12	72	839	-.12	27	77
581091	WEE MANOR <u>TOP COMMAND</u>	40G1009	3	19	20	12	33	726	-.12	22	65
GENETICS - CARNATION											
575523	CLEVERLANDS <u>ZENITH</u>	11G0215	27	92	7	39	67	834	-.22	17	65
576489	KELLOGG NANCES <u>CHEER</u>	11G0216	9	37	19	6	54	771	-.16	20	65
566944	GRAIN MEADOW D <u>FORTUNE</u>	15G0108	52	204	8	41	81	554	-.09	17	44
A B S											
583550	GRANDVIEW WISTARS <u>FABIAN</u>	29G0788	33	133	25	13	75	1236	-.05	53	129
585398	KELLOGG CHIEFS <u>MARTIN</u>	29G0791	22	32	0	59	58	931	-.18	26	81
586731	MAURANA WIS <u>TELESTAR</u>	29G0796	13	15	***	100	36	756	-.02	34	80
580919	HOUSLEYS DARI <u>FAYVOR</u>	29G0784	428	1311	16	14	98	654	-.01	30	70
585588	MCDONALDS <u>TOP PILOT</u>	29G0792	29	48	***	73	64	750	-.26	9	52
573658	WOODACRES <u>SULTAN</u>	29G0795	39	97	8	30	76	684	-.20	12	51
584974	OBERLAND <u>SON PRINCE</u>	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	FAT	\$\$\$
<u>JERSEY</u>											
M A B C - SELECT SIRES											
614850	WILLRICH <u>MERCURY</u>	7J72	52	113	11	33	82	1500	-.16	64	161
617287	GENERATOR HL <u>EARL</u>	7J112	4	13	0	9	30	1541	-.37	40	131
615125	WELCOME SECRET <u>TESTER</u>	7J104	4	20	7	12	36	965	-.07	42	101
606421	TENN CONFIDENT <u>TEB LAD</u>	7J97	7	39	6	18	46	983	-.16	34	93
613173	GRAMMIL LEADER SOPHIA <u>SAMSON</u> ..	7J102	7	52	5	13	52	960	-.18	31	88
611085	MAJESTIC VICTORY <u>PHIL</u>	7J95	41	144	2	32	80	877	-.11	34	87
617178	GENERATORS <u>DAIRYMAN</u>	7J85	21	27	19	19	57	956	-.30	19	74
616611	TENN <u>NOBLE PREDICTOR</u>	7J74	23	33	13	0	65	588	.07	36	73
618381	TRIUMPH <u>SHELIAS JUDGE</u>	7J87	8	11	***	10	33	628	-.10	22	60
619315	H.V.F. <u>ADVANCING GENERATION</u> ...	7J92	53	114	8	55	80	550	-.19	10	42

CURTISS											
617923	FOREST <u>MIDNIGHT</u>	40J583	8	20	0	25	43	1236	-.26	36	109
618993	SHADEWELL <u>ETHAN ALLEN</u>	40J582	2	31	0	16	35	1093	-.19	36	101
606982	H L POMPEY <u>FREDEYICK</u>	40J560	215	901	8	27	96	938	-.06	42	107
614820	GOLDEN <u>OPPORTUNITY</u>	40J540	8	18	0	0	47	912	-.04	42	98
615053	SUPREME <u>VIRGINIAN</u>	40J564	41	73	7	10	79	1082	-.29	26	89
615385	MILK <u>KING</u>	40J579	8	14	0	0	44	535	.07	34	68
606736	FAIR-WEATHER <u>SUPER3 LAD</u>	40J569	90	239	10	22	88	636	-.04	28	67
617586	FOREST POMPEY <u>PARSON</u>	40J568	53	101	16	31	80	797	-.24	17	63
614987	DORCHESTER <u>SIGNAL PINN</u>	40J576	4	18	9	8	39	643	-.15	18	56
608927	FAIR WEATHER <u>JUGGLER</u>	40J561	141	414	10	14	94	570	-.13	17	51
621309	SECRET HL <u>BENJAMIN</u>	40J574	9	10	***	100	28	611	-.18	14	50

GENETICS - CARNATION											
618324	THUNS GENERATOR <u>DYNAMIC</u>	24J310	13	25	4	0	54	1402	-.28	42	125
618863	FAVORITE <u>SHAMROCK</u>	24J0307	9	13	8	8	39	1280	-.19	45	122
619994	STARN <u>GENERAL</u>	11J0317	16	43	0	60	60	1399	-.34	36	118
605836	L.C. <u>MASTER PRINCE</u>	11J0314	169	754	12	29	95	1193	-.21	39	110
617652	PHILS <u>MILK BOY</u>	24J0301	21	47	3	25	69	884	-.06	39	93
613308	SAYPOE TRIS <u>BANNER</u>	24J616	13	23	8	0	56	827	-.04	38	89
620771	PAYETTE <u>GENERAL</u>	11J0318	6	10	***	90	29	987	-.26	24	82
618062	MILLS <u>SPARKPLUG</u>	24J0305	10	27	19	4	55	1040	-.34	19	79
617655	PHILS <u>FAVORITE JUAN</u>	24J0306	20	59	9	14	69	641	.01	33	73
622217	M.S. <u>KATIES SILVER MINT</u>	11J0322	6	16	***	50	33	679	-.03	31	73
610058	ADDNIS <u>SALUTE</u>	11J0320	21	55	11	45	62	641	-.10	23	62
620479	MOFL <u>QUICKSILVER</u>	24J0312	6	23	***	87	37	507	.04	29	61
614821	RENADA <u>WOODSMAN</u>	24J647	13	28	25	0	58	501	.00	25	56
615017	TENN <u>TRAVELLER</u>	24J649	18	47	24	5	67	515	-.17	10	40

A B S											
620428	GENERATORS <u>JEWELER</u>	29J2785	4	66	0	27	39	1696	-.29	55	156
616022	BRIARCLIFFS <u>BOLD TORONO</u>	29J2788	11	40	6	10	58	1513	-.39	36	124
619710	BRIARCLIFFS <u>ORACLE</u>	29J2789	9	21	***	48	45	1351	-.25	43	123
619853	VICTORY TIME <u>PREDICTOR</u>	29J2764	27	86	***	87	72	1128	-.18	39	107
615066	H.V.F. ESMOND <u>PLUS</u>	29J2742	31	50	16	10	72	821	-.04	38	89
620324	STARDUST <u>STAR-TREK</u>	29J2749	23	35	8	62	58	906	-.18	28	82
616323	QUICKSILVERS <u>GOLDEN LAD</u>	29J2784	11	30	4	4	58	587	.04	33	70
621501	TOPCAT.....	29J2762	9	11	***	100	32	690	-.17	19	60

BROWN SWISS

M A B C - SELECT SIPS											
154912	NAKOTA PAVANNE <u>EVIL</u>	78625	41	68	4	0	78	2302	-.14	73	210
163153	WEST LAWN <u>STRETCH IMPROVER</u> ...	218415	23	40	***	92	59	1481	-.13	43	131
146947	WHITE CLOUD DOREENS <u>DELEGATE</u> ..	9856	401	1604	10	26	98	1163	-.04	42	112
159771	E E BEAUTICIAN <u>KING</u>	78629	31	39	6	27	63	928	-.08	27	82
158853	HARRIS HILL <u>TOM JONES</u>	148144	66	154	10	40	85	783	-.05	25	72
150000	SHARON FARMS TAMARINDS <u>CEORIC</u> ..	78632	15	34	0	30	51	384	.10	28	53
157342	EBENEZER LADDIE <u>MERIT</u>	78627	18	26	24	4	54	463	.04	23	52

CURTISS											
163860	ALEXANDER ALARIC <u>STRETCH JIM</u> ..	408351	2	21	0	25	24	817	-.06	25	74

GENETICS - CARNATION											
156033	SUGAR VALLEY UNITED <u>BANCO</u>	1180518	13	43	3	0	63	515	-.03	17	48
152968	MAPLE GROVE <u>ROCKY</u>	1180519	11	30	4	4	55	575	-.08	13	47

A B S											
155075	WHITE CLOUD JASON <u>CARSON</u>	2983667	8	33	7	0	48	673	.09	38	80
153837	RED BRAE <u>CITATION</u>	2983650	80	166	12	12	88	712	-.09	18	60
158262	SUGAR VALLEY <u>MARAUDER</u>	2983662	15	29	5	14	56	584	-.03	20	55

REGISTRATION NUMBER	NAME	STUD CODE	NO. HERDS	NO. DAUS.	PCT CULL	PCT RIP	PCT RPT	PREDICTED MILK	DIFFERENCE PCT	FAT	74 \$\$\$
HOLSTEIN											
M A B C - SELECT SIPES											
1590582	WAYNE-SPRING FOND APOLLO.....	7H191	24	33	0	0	66	2107	-.11	58	182
1617266	CEDAR-GROVE GOLDEN NUGGET.....	7H286	79	112	5	70	82	1542	-.03	51	143
1491007	ROUND OAK RAG APPLE ELEVATION.....	7H58	4592	17301	6	24	99	1479	-.04	48	136
1583197	WAPA APLINDA CONDUCTOR.....	7H195	40	45	0	0	74	1403	-.01	50	134
1635463	STRAIGHT-PINE ELEVATION PETE.....	7H900	21	37	***	89	56	1548	-.15	32	122
1590112	UK SENSATION.....	7H190	132	180	9	46	89	1288	-.04	40	117
1556373	GLENDELL ARLINDA CHIEF.....	7H477	191	312	4	80	92	1401	-.12	32	114
1591925	STILLWELL OLLIE OLIVER.....	7H193	47	51	11	2	75	1070	.04	45	110
1577549	BEANEHAVEN VEEDITION.....	7H171	22	27	10	5	63	1780	-.14	29	109
1610590	LIMESTONE LANCELOT.....	7H211	63	145	3	42	83	1257	-.07	35	109
1604652	ROBTHOM GAY BURKGOV.....	7H257	49	61	9	54	73	1304	-.11	31	107
1595519	WEL-HI TRIUNE NATE-TWIN.....	7H207	35	43	11	0	71	1306	-.15	24	99
1611284	MIL-R-MOR TRAILBLAZER.....	7H256	23	32	0	32	61	1219	-.11	28	99
1529276	LEEBAR DRUMMER KINGPIN MITAH.....	7H242	773	1542	8	35	98	1066	-.03	34	97
1584578	FOXLEASE EXPLOSION.....	7H2026	97	197	8	38	89	1248	-.13	25	97
1569187	SUNGOLD KINGPIN PERCY BURKE.....	7H166	43	49	5	4	76	1015	-.01	35	96
1582361	SIMPSONS AGENT-TWIN.....	7H849	6	28	0	36	33	1201	-.12	25	95
1512925	SKAGVALE BOLD INHERITANCE.....	7H2007	487	1840	8	18	98	1231	-.14	23	94
1626813	MARSHFIELD ELEVATION TONY.....	7H401	19	22	***	95	49	1034	-.06	29	90
1602569	LE-DEL TRIUNE DEAN.....	7H217	41	43	5	8	71	1206	-.16	20	89
1490217	E-Z ACRES CAGAN J SEARS.....	7H430	108	200	7	63	87	875	.02	35	88
1559991	LIME-HOLLOW ADMIRAL DE KOL.....	7H156	50	77	5	33	79	1020	-.06	28	88
1629467	ROOBY ELEVATION CELEBRITY.....	7H291	28	32	***	81	59	1121	-.12	22	87
1608425	ARLINDA CINNAMON.....	7H241	26	31	7	30	60	1010	-.06	27	86
1953779	LONG-HAVEN RUMPUS-TWIN.....	7H350	64	81	7	6	84	969	-.05	28	85
1592964	GREEN-MEADOW CONSORT.....	7H206	28	37	3	6	66	1113	-.13	21	85
1561753	DOUBLE NED HARVEYCREST WALKWAY.....	7H152	36	45	8	3	75	1097	-.12	21	84
1588269	HUBERVIEW MONARCH.....	7H431	33	64	7	48	71	806	.02	33	82
1562352	ROUND-OAK APOLLO VIRGINIAN.....	7H146	58	76	9	12	82	894	-.03	28	81
1601540	HARDEN-FARMS ROB JO PARSON.....	7H225	39	44	6	8	70	738	.04	33	78
1536047	KNOB-LICK GO.....	7H127	403	699	7	58	97	931	-.09	21	75
1515118	ST CROIXCO VEEDITION POW.....	7H676	1186	3011	8	43	99	1171	-.23	8	74
1597615	KENJO BOOTMAKER.....	7H134	6	17	7	0	37	921	-.09	20	74
1601151	BACH-ECHO LUCKY GEOFFREY-TWIN.....	7H244	22	26	23	4	58	923	-.09	20	74
1619215	ARLINDA BOOTMAKER PALORIES LAD.....	7H273	28	35	***	69	59	848	-.05	24	74
1618516	ZION-MEADOWS PER INTONE.....	7H822	11	18	9	8	44	912	-.11	17	70
1630578	GLEN-LU-KNOLL PEN STONFALL.....	7H295	16	16	***	87	43	1011	-.16	12	69
1557766	KIN-VALE TIDY CHAMP-TWIN.....	7H138	46	68	14	4	80	813	-.06	20	68
1392858	NO-NAME FOND MATT.....	7H091	3116	11969	8	2	99	601	.06	30	67
1563897	ROUND-OAK ROCKMAN.....	7H147	87	137	4	7	88	644	.03	28	67
1608375	E-Z-ACRES BURKGOV B LOYAL.....	7H248	33	38	4	27	65	741	-.03	23	67
1611955	PACLAMAR ASTRO SALINA.....	7H819	4	74	19	18	41	796	-.06	20	67
1616076	ELEVATION APOLLO VICTORY.....	7H278	14	18	***	83	43	810	-.06	20	67
1506745	E-Z-ACRES CRO SKYDEAN.....	7H403	208	380	16	49	94	850	-.11	15	64
1610343	VIGO FOND MATADOR.....	7H263	31	39	10	39	63	825	-.10	15	63
1647639	ARLINDA KNIGHT.....	7H488	11	14	***	100	35	877	-.14	11	61
1580790	LONG-HAVEN KINGSTEAD ADMIRAL.....	7H182	29	33	13	0	68	962	-.21	4	58
1576002	ROBTHOM VOYAGEUR VEEDITION.....	7H174	29	39	4	15	69	749	-.10	13	58
1522595	N-DEL-CEE OUTCHMAN.....	7H504	94	187	3	47	86	757	-.10	12	55
CURTISS											
1611492	SAGESEP CHIEF ASTRONAUT (COPPER).....	40H2652	3	18	9	27	33	1615	.03	63	161
1427381	PAWNEE FARM ARLINDA CHIEF.....	40H2025	4651	14041	6	4	99	1461	.09	67	157
1623255	RANSOM-RAIL PACEMAKER.....	40H2518	11	44	3	17	60	1679	-.10	46	145
1603912	WILCOXVIEW PERFORMER PAI-TWIN.....	40H2563	3	31	0	10	37	1531	-.13	36	125
1562663	COLDSPRINGS STYLEMASTER WIZARD.....	40H2328	8	38	6	5	47	1298	-.04	41	118
1600253	DIAMOND-S SUNNY HANK.....	40H2599	8	97	0	28	52	1252	-.02	43	118
1558140	DE-WA-SEE CARLJO CHIEFTAIN.....	40H2288	7	53	11	29	51	1099	.06	49	116
1625661	BUN-YARD MCNEY MAKER.....	40H2655	7	19	6	5	43	1306	-.07	36	113
1597214	ELM-GREEK ASTRO DON.....	40H2534	6	50	7	41	51	1054	.06	47	112
1605637	MORRILL STAR BB BICKEN.....	40H2573	4	40	3	23	35	1100	.02	43	110
1596998	M-JAYBEE ASTRO JOSIE.....	40H2521	5	45	0	17	39	1236	-.09	31	103
1560362	C ROMANDALE SHALIMAR MAGNET.....	40H2080	689	1282	8	18	98	1459	-.24	15	97
1613259	DAN-VEP POLY ROYAL.....	40H2168	17	30	14	38	55	1065	-.03	34	97
1520034	WESTHOPELAND BRIGADIER.....	40H2071	587	1254	9	21	98	1310	-.17	21	96
1592942	REDWOOD-RAPONA MOONSHOT.....	40H2137	353	592	12	43	96	907	.05	40	96
1560026	JUNELL IVANHOE CHIEF CHARLIE.....	40H2329	6	31	18	7	39	1064	-.04	32	95
1540435	AUFDERMAUR KINGPIN SKY.....	40H2267	11	122	3	4	62	1275	-.16	21	94
1593924	BETTERWAY MARATHON.....	40H2491	11	43	0	30	50	1153	-.10	26	93
1585759	DODGE-VIEW GEN-TWIN.....	40H2516	6	30	7	10	42	1037	-.04	31	92
1578139	WILU BETTY IVANHOE CHIEF.....	40H2119	354	698	11	20	97	1159	-.13	23	90
1554410	WHITTIER-FARMS IVANHOE ACE.....	40H2326	6	32	9	0	51	1056	-.07	27	89
1585121	ARTEVEL FAYNE MALLIE QUEEN.....	40H2276	4	21	0	20	40	900	.02	35	89
1601195	ELSGLORY LEO ASTRONAUT.....	40H2174	10	12	***	55	37	1122	-.12	22	87
1566948	ROOBY APOLLO FAWN MONOP.....	40H2335	19	34	3	6	62	1222	-.19	16	86
1607814	PAPAGON BOOTMAKER.....	40H2612	11	29	0	36	48	1101	-.12	21	85
1608054	WHITE-HEIGHTS R P CHIEF.....	40H2562	3	20	0	11	31	992	-.07	26	84
1614523	LASTING-SPRING STANDOUT.....	40H2596	14	51	8	47	63	1036	-.10	23	83
1627902	NUNSDALE M K MAGNET.....	40H2197	20	36	***	78	55	1031	-.12	20	80
1603076	COLDSPRINGS FENCOR BELLMAN.....	40H2533	5	22	5	0	45	1320	-.28	5	78
1570678	LEWA JOHN PACLAMAR LUCIFER.....	40H2572	4	31	0	42	36	1015	-.13	17	75

REGISTRATION NUMBER	NAME	STUD CODE	NO. HERDS	NO. DAUS.	PCT CULL	PCT RIP	PCT RPT	PREDICTED MILK	DIFFERENCE PCT	FAT	74 \$\$\$
HOLSTEIN -CONTINUED-											
CURTISS -CONTINUED-											
1556873	HILMAR PERFORMER <u>SHIANANA</u>	40H2331	8	59	5	0	45	1040	-.15	15	74
1546177	WIS <u>MAGICIAN</u> GRAY VIEW.....	40H2325	11	38	0	16	50	823	-.04	24	73
1630660	SAPA-SKA <u>LIGHTNING</u> CHIEF.....	40H2229	13	18	***	94	43	750	.00	27	72
1454744	PACLAMAR <u>ASTRONAUT</u>	40H96	7997	30086	7	5	99	798	-.03	24	71
1603277	UTAG ULTIMATE <u>EMBLEM</u>	40H2493	4	20	0	7	36	754	-.01	26	71
1477754	ARLINDA CHIEF <u>ARISTOCRAT</u>	40H2156	698	1484	7	28	9A	894	-.10	18	70
1580552	BLUMCREST CHIEF <u>RENITE</u>	40H2566	6	37	17	14	41	815	-.05	22	70
1634049	ROYALANE <u>SANDY</u> MASTER STYLE....	40H2219	9	16	***	69	38	835	-.06	21	70
1539414	EL-PAJARO <u>PIONEER</u> THOR.....	40H2238	48	123	15	63	79	921	-.12	16	69
1589041	VIGO STANDOUT <u>REFLECTION</u>	40H2396	10	31	21	6	55	992	-.16	12	68
1522330	SEMOG <u>DOUBLE</u> BENEFACOR CHIEF..	40H2177	360	768	8	34	97	815	-.07	19	67
1629956	ARLINDA <u>MASTER</u>	40H2234	13	20	***	95	45	695	.00	25	67
1508246	ZION-MEADOWS <u>ADMIRAL</u>	40H2253	43	92	5	24	75	913	-.13	14	66
1519107	HAVEN-LANF <u>CRISS</u> TONY.....	40H2175	636	1282	8	35	98	645	.02	27	66
1598625	ARLINDA <u>ADVENTURE</u>	40H2565	10	29	16	0	52	865	-.10	16	66
1561673	JO-DAN B E IVAN.....	40H2455	20	72	9	29	70	924	-.15	11	63
1593407	ARLINDA <u>ADVANCER</u>	40H2139	261	498	5	26	95	806	-.09	16	63
1556268	BOSSIP <u>PACLAMAR</u> M CLARK.....	40H2336	9	35	13	0	49	564	.04	26	61
1636901	PAPPYS <u>ZEUS</u>	40H2244	8	10	***	100	29	569	.02	21	61
1564216	IDEOGRAPH <u>KENNEDY</u> ACE.....	40H2279	21	67	2	6	64	883	-.15	10	60
1598259	ARLINDA <u>DON</u>	40H2500	16	49	13	13	65	982	-.21	4	59
1600041	UTAG ULTIMATE <u>LUCKY</u>	40H2492	2	14	19	0	28	828	-.12	12	59
1565026	LEMAR PAG <u>APPLE</u> HAVEN.....	40H2488	12	32	0	3	59	908	-.17	7	58
1592662	WITESTAR <u>SILVER</u> DEAN.....	40H2155	17	30	0	48	55	292	.18	37	58
1569272	HOLTEX <u>KINGPIN</u> ARISTOCRAT.....	40H2327	4	17	7	0	37	625	-.02	20	57
1571047	ARLINDA FOND <u>MARTNER</u> -TWIN.....	40H2515	9	40	17	3	51	803	-.12	11	57
1586721	<u>SLEEPY</u> -HOLLOW ASTRO KING.....	40H2494	7	40	3	3	52	638	-.03	19	57
1590862	PARK-FOEST <u>KITTY</u> KINGPIN.....	40H2334	9	34	0	9	50	638	-.03	19	57
1626096	MAPLE-LAKE <u>ARISTOCRAT</u> JIM.....	40H2207	7	14	***	29	34	711	-.08	14	55
GENETICS - CARNATION											
1477755	ARLINDA CHIEF <u>CURRIEF</u>	11H0158	7	31	0	0	51	1616	-.07	48	144
1591773	RUANN <u>ASTRO</u> MINER.....	24H0828	11	34	0	0	55	1532	-.06	47	139
1624803	LANDSDOWN IVANHOE <u>STAR</u> MATADOR	24H0706	16	23	15	30	51	1097	.07	50	117
1590759	SLEFPEY-HOLLOW <u>APOLLO</u> KING-TWIN	11H1010	20	32	0	8	63	1427	-.14	30	113
1600222	STRICKLER <u>BOOTMAKER</u> BLAZE-TWIN	11H0167	9	31	0	14	48	1277	-.06	37	113
1557735	ARLINDA CHIEF <u>MARINE</u>	11H0166	7	33	0	32	39	1128	.00	41	109
1622306	PRODUCEFS <u>STAR</u> ADA.....	11H0177	3	24	***	50	27	1266	-.08	33	107
1624877	THUMB-PPIDE <u>PAYMASTER</u>	11H0173	18	38	16	26	58	1278	-.11	30	105
1625268	<u>CASANOVA</u> BVAR CITATION.....	23H0188	25	70	19	49	71	1175	-.08	31	100
1633263	VIGO <u>KINGPIN</u> SHINER.....	11H1076	8	13	***	85	37	1047	-.01	37	100
1595067	BAR-REL <u>STAR</u> PERFORMER.....	24H0692	18	38	4	15	64	1265	-.15	23	96
1628813	OAK-GREEN <u>VIRGINIAN</u>	11H0169	14	43	7	26	61	880	.05	39	93
1559080	LAVACRES <u>MAPLE</u>	24H0626	14	44	9	8	61	1034	-.04	31	92
1602681	<u>SINKING</u> -SPRING'S PER STERLING..	24H0550	8	29	5	12	51	1013	-.05	30	90
1620654	BO-LAN <u>FALCON</u> NEEDLE MASTER.....	11H0142	8	12	***	27	37	1090	-.09	26	90
1601827	POLYTECHNIC <u>KNIGHT</u> CROWN.....	23H0184	43	128	3	24	81	1061	-.09	25	87
1647355	KINGLEA <u>TOTAL</u> -TWIN.....	11H1174	13	36	***	92	53	916	-.02	31	86
1499581	FRANLANE <u>BLACK</u> KNIGHT.....	11H0105	10	57	3539	10	29	990	-.05	28	85
1619057	GLEN-VALLEY <u>STAR</u>	11H1056	17	30	13	33	56	971	-.05	27	84
1581130	LA-RARE <u>MILLIONAIRE</u>	11H0165	14	55	4	4	65	1214	-.20	14	83
1610326	PRODUCEFS <u>KINGPIN</u> HOO DOO.....	24H0702	12	51	10	31	59	968	-.06	26	83
1600743	<u>SINKING</u> -SPRING'S PER HILARY.....	11H1012	11	16	15	7	47	1224	-.21	12	81
1616622	<u>COUNTRY</u> HOME ASTRO KING.....	11H0172	11	45	0	30	55	690	.09	38	81
1571012	U-OF-MO <u>COLUMBUS</u>	24H0652	20	75	7	16	73	682	.06	34	76
1611226	LEE-LANE CHIEF <u>PEORO</u>	24H0831	13	34	6	24	53	938	-.09	21	76
1620490	JOY-WIL IVANHOE <u>STANDOUT</u>	11H0171	10	18	0	41	43	962	-.10	20	76
1626486	MIL-BEP <u>STAR</u> MAY CHAMP.....	11H1096	12	18	***	47	45	858	-.04	25	76
1536957	CARNATION <u>FIRST</u> MILLTON.....	11H0084	362	657	11	19	97	786	.00	28	75
1587798	LA-HONDA <u>STARMAKER</u>	24H0826	86	167	5	23	88	1151	-.21	10	75
1598286	WILCOXVIEW <u>KINGPIN</u> JOEY.....	11H1005	16	56	6	2	62	897	-.07	22	75
1615618	TIMP-PPIDE <u>ARISTOCRAT</u> CLIPPER..	11H0174	5	12	***	27	30	1030	-.17	11	69
1517422	LAZY-L <u>SKYLINER</u> WALLIE.....	24H0220	236	643	9	29	96	718	-.02	23	66
1585852	CAFERNAPVON <u>OUTCHOF</u>	11H0161	12	40	0	19	51	672	.00	25	66
1585846	GREEN-PASTURES <u>STANDOUT</u> IDEAL..	11H0112	62	97	19	11	82	1095	-.24	4	65
1487095	COCHRAN <u>SUNSHINE</u> CHARMER.....	11H0145	273	830	5	62	96	994	-.19	8	64
1583490	TOMCREEK <u>ARLINDA</u>	11H0164	1	27	0	12	23	716	-.03	21	63
1606122	MOON-GLOW <u>PERFORMER</u> STARKSFORD	11H1046	11	19	0	6	47	967	-.19	6	60
1610586	CARNATION <u>SPACEMAN</u>	11H0126	27	40	15	19	66	469	.08	29	59
1637251	W-VA-GREEN-HILLS <u>LUCKY</u> PHIL..	11H1092	14	20	***	60	46	631	-.01	21	59
1534780	SHADY-PARK <u>ALICIA</u> KINGPIN.....	24H0602	15	40	16	0	65	612	-.01	21	58
1607560	DIAMOND-S <u>SUNNY</u> KING.....	11H0175	9	45	7	51	52	622	-.02	20	57
1632712	INDIANHILLS <u>SKYCHIEF</u>	11H1085	15	29	15	41	55	733	-.08	15	57
1574919	GERLOFF SENSATION <u>SENECA</u> CHIEF	24H0666	12	20	24	6	51	837	-.14	9	56
1515207	RUANN <u>KNIGHT</u> LJCKY.....	1H0159	646	2110	9	22	99	675	-.06	16	55
A B S											
1637672	GILTEX <u>WINJAMMER</u>	29H2750	30	38	8	55	64	1476	-.02	50	138
1556820	DELATI <u>ALSTAR</u> GERRI MARTIN....	29H2434	39	53	0	23	75	1482	-.08	42	130
1635912	OVER <u>ARCH</u> ALAN.....	29H2794	24	29	***	86	56	1492	-.06	42	125
1593263	DIAMOND-GROVE <u>CHIP</u>	29H3200	10	29	14	12	51	1618	-.19	29	127
1619340	MOHRY-C SEAMAN <u>CHIEFTAIN</u>	29H2720	21	26	18	21	55	1445	-.10	17	122
1595942	SUNNYSIDE <u>ENGRAVER</u> ASTRO-TWIN..	29H2614	27	35	13	0	67	1548	-.17	29	118

REGISTRATION NUMBER	NAME	STUD CODE	NO. HERDS	NO. DAUS.	PCT CULL	PCT RIP	PCT RPT	PREDICTED MILK	DIFFERENCE			74 \$\$\$*
									PCT	FAT		
HOLSTEIN -CONTINUED-												
A P S -CONTINUED-												
1518703	MAREVA PILCT BELMONT KATE.....	29H1948	309	533	11	79	95	1458	-.13	32	117	
1644615	WESTPOPT DUKE TONI.....	29H2798	15	17	***	88	43	1215	-.02	41	114	
1564328	POVERTY-HOLLOW BURKGOV DEMAND	29H2510	79	118	5	15	86	1679	-.27	18	113	
1555814	DOS-PALMOS COMET.....	29H2980	14	50	3	13	62	1372	-.12	32	112	
1603894	WHITTIER-FARMS HARVEST.....	29H2650	29	35	3	0	66	1454	-.16	28	112	
1608369	NOP-LENE OEE-ANN MAPLE.....	29H3385	2	19	***	83	24	937	.13	53	112	
1621350	GREEN-PASTURES R WHITESTAR.....	29H2671	27	32	11	0	64	1398	-.13	30	111	
1629121	E-Z-ACRES MARGE TRADITION.....	29H2754	17	17	***	100	44	1351	-.11	32	111	
1629385	POVERTY-HOLLOW MILESTONE.....	29H2785	60	78	***	71	75	1460	-.17	27	111	
1591335	MOHRY-C CHIEF LINDY.....	29H2592	19	26	11	0	59	1484	-.19	25	110	
1450228	PACLAMAR BOOTMAKER.....	29H1881	5939	20920	6	6	99	1267	-.08	34	109	
1647459	LE-DEL ELEVATION CHRIS.....	29H2811	15	16	***	81	41	1423	-.16	27	109	
1630990	MAR-JA BOOT TRAILMAKER.....	29H2744	31	38	6	42	63	1148	-.02	38	107	
1633783	KNOB-LICK SHINE.....	29H2814	16	18	***	78	45	1171	-.04	36	106	
1634846	AVLON AMITY.....	29H2767	21	28	***	56	55	1128	-.02	38	105	
1631223	LIME-HOLLOW ELEVATION MARS.....	29H2786	22	26	***	85	54	1333	-.17	22	99	
1564147	SEVENS GRAND SUPREME.....	29H2465	40	49	6	12	75	1455	-.24	16	98	
1589857	HUSKER SEAMAN THADDEUS.....	29H3140	2	44	10	0	35	1194	-.11	27	97	
1541533	ILLINI FOND BILLY.....	29H2389	50	64	11	8	80	1079	-.05	32	96	
1616359	BUD-RANCH CHAMPION STANDOUT.....	29H2694	19	22	12	10	52	971	.01	37	96	
1594937	BAMA SPINGBANK DUKE.....	29H3210	9	49	6	19	51	1070	-.05	31	94	
1615549	USP PRIDE MAPLE BEN-TWIN.....	29H2665	27	35	13	3	65	888	.03	37	91	
1587904	FOFBESACRES SEAMAN PAUL.....	29H2581	19	22	0	7	58	1062	-.08	27	89	
1602410	ARLINDA BOOTMAKER BOUQUET.....	29H2655	25	32	10	6	64	919	.00	34	89	
1632413	MOHRY-C SKYMAN.....	29H2764	14	18	***	100	43	874	.02	35	88	
1575285	MOHRY-K IMPERIAL KNIGHT.....	29H2501	27	37	9	0	70	816	.05	37	87	
1599964	SLEEPY-HOLLOW KENNEDY.....	29H2628	33	41	6	9	69	1225	-.18	17	87	
1615950	WILCOXVIEW WHITE STAR-TWIN.....	29H2690	23	30	4	7	61	869	.02	34	87	
1563679	UK FOND MATT ART.....	29H2417	46	55	14	22	77	855	.02	34	86	
1636144	MILL-LANE COUNT ASTROTURE.....	29H2783	12	14	***	100	38	1025	-.07	26	86	
1611956	PACLAMAR IMPERIAL KNIGHT.....	29H2691	29	41	7	10	66	1230	-.19	15	85	
1633540	DUNWOOD BOOTMAKER LEE-TWIN.....	29H2873	7	10	***	100	30	935	-.03	29	85	
1577799	COLLINS-CREST SUNSHINE CHIEF.....	29H2477	38	47	15	3	74	751	.07	37	84	
1593395	PACLAMAF ASTFO TOP COMMAND.....	29H2588	29	45	10	0	71	774	.05	36	84	
1601125	MONCONY PED-TOP GULLY THE KID.....	29H3370	4	29	8	29	39	971	-.05	27	84	
1615951	WILCOXVIEW BLACK STAR-TWIN.....	29H2679	29	37	10	11	66	1025	-.09	23	83	
1532749	DOFLOY DELILAH DUKE.....	29H1964	166	271	8	73	92	963	-.07	25	82	
1628662	SCHWOCHS IVANHOE JAKE.....	29H2752	21	31	***	61	56	901	-.03	28	82	
1634703	BERKSONS CHIEF AARON.....	29H2776	24	38	***	79	59	810	.02	33	82	
1613580	WHITELYN BOOTMAKER FUHLER.....	29H3350	8	25	0	19	46	982	-.08	24	81	
1599189	ROSTRAVER FARMS MISTER-RED.....	29H2822	3	23	0	14	30	1037	-.12	19	79	
1531866	PACLAMAR COMBINATION.....	29H1960	1440	2880	8	51	99	1021	-.12	19	78	
1638034	LAWCREST MARKER.....	29H2809	12	15	***	100	40	1118	-.17	14	78	
1608372	E-Z-ACRES STANDOUT STAR.....	29H2669	23	37	0	23	63	1069	-.15	16	77	
1609575	RAYLORE ADMIRAL BLACKCAP.....	29H2662	26	34	3	0	65	751	.02	31	77	
1642991	AMFS SUNNY SYMBOL.....	29H2818	15	17	***	100	44	908	-.06	24	77	
1612521	JOE R MAPLE ADMIRAL.....	29H2690	36	51	10	36	69	878	-.05	24	76	
1608374	E-Z-ACRES ASTRO ROCKET.....	29H2668	32	41	6	5	68	767	.00	28	74	
1580859	LAWCREST KNIGHT ALLIANCE.....	29H2559	32	45	8	0	71	878	-.07	22	73	
1633380	SHADE-ACRES ELEVATION FPOSTY.....	29H2779	13	17	***	82	41	915	-.09	20	73	
1642195	HILLTOP CHIEF.....	29H2781	21	25	***	80	53	657	.05	31	72	
1603217	POVERTY-HOLLOW GAY MAN.....	29H3335	8	28	5	21	43	807	-.05	22	70	
1562242	E-Z-ACRES POLYKNIGHT.....	29H2456	32	42	6	0	74	895	-.10	17	69	
1629391	HANOVER-HILL TRIPLE THREAT-RED	29H2775	113	180	3	67	87	520	.11	35	69	
1632713	INDIANHILLS SUNLINE.....	29H2762	10	11	***	91	34	964	-.14	14	69	
1617071	RIPPCHEN BOOT-NICK.....	29H2719	63	88	3	43	79	886	-.10	17	68	
1632079	G-J GEMINI.....	29H2770	23	31	***	77	58	756	-.03	23	68	
1642705	LA-HONDA ELSTAR.....	29H2850	14	17	***	100	41	847	-.08	19	68	
1579387	CHROME-VIEW JUPITER.....	29H2546	19	22	0	0	59	840	-.08	18	67	
1608353	PACLAMAF MASTER.....	29H2820	19	36	9	61	58	876	-.11	16	67	
1616441	VIGO ADMIRAL ELVAN.....	29H2717	19	23	8	36	53	1002	-.17	10	67	
1608880	PENN-OCTO ASTRO JACK.....	29H2681	20	23	14	0	53	735	-.03	22	66	
1564639	LIME-HOLLOW FAMOUS NED.....	29H2470	24	26	10	0	65	613	.03	27	65	
1562240	E-Z-ACRES BURKGOV 3 ACCLAM.....	29H2450	29	34	12	7	69	868	-.12	14	64	
1632505	A A H APOLLO ELEVATION.....	29H2766	18	19	***	79	47	726	-.04	21	64	
1589401	MILL-LANE PERFORMER PETE-TWIN.....	29H2554	40	51	11	0	76	747	-.07	17	61	
1602047	PAPPYS TINY SILVER.....	29H2636	27	33	7	0	65	935	-.17	8	61	
1625853	GREEN-PASTURES ELEVATOR.....	29H2739	17	17	***	65	44	882	-.14	11	61	
1627199	KNOB-LICK LOVER.....	29H2749	19	22	***	64	50	737	-.06	18	61	
1635085	HAMAR TRIPLE HARRISON.....	29H2807	15	17	***	94	43	904	-.15	10	61	
1605338	DIAMOND-S SUNNY KILROY.....	29H3215	2	34	0	0	28	849	-.13	12	60	
1609661	DAN-VER CAROL COPY.....	29H3275	10	41	6	11	50	818	-.11	13	60	
1624932	WESTAN ORMSBY DUKE BOOTS.....	29H2722	17	18	8	17	48	659	-.02	21	60	
1601674	HAFPAIH-D BOOTMARK.....	29H2637	81	131	8	34	85	652	-.04	18	56	
1611107	MOHRY-C PRINCE VALIANT.....	29H2695	104	192	13	57	86	814	-.13	10	56	
1617296	SKAGVALE HATTIE MAPLE.....	29H2700	410	661	9	57	96	729	-.08	14	56	