

Annual Report



SAN JOAQUIN
DAIRY HERD IMPROVEMENT ASSOCIATION

2018

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SAN JOAQUIN DAIRY HERD IMPROVEMENT ASSOCIATION

2018 Annual Report

*Serving the Dairy Producers of Contra Costa, Sacramento,
San Joaquin, Solano, Sutter and Yolo Counties*

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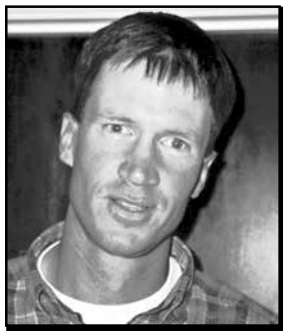
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SJDHIA PAST PRESIDENTS

Dairy herd improvement work started in San Joaquin County in April 1915. No formal organization existed for the next six years. In 1921, the cow testing association of the San Joaquin County Farm Bureau Dairy Department was organized. This organization remained in effect until 1961 when the San Joaquin Dairy Herd Improvement Association was incorporated. Listed below are the past leaders of the two organizations:

N. H. Locke	1921 - 1928
C. A. Beecher	1928 - 1929
Roscoe Clowes	1929 - 1932
Frank Patton	1932 - 1933
Robert Ballance	1933 - 1942
John DeCarli	1942 - 1945
Virgil Groves	1945 - 1948
Robert Goodwin	1948 - 1949
M. H. Crom	1949 - 1952
Ernest Burroughs	1952 - 1953
V. J. Reeve	1953 - 1954
Allen Carter	1954 - 1955
Clayton Beckman	1955 - 1956
Paul Hildebrandt	1956 - 1957
George Clever	1957 - 1959
Tony Furtado	1959 - 1962
Joe J. Machado	1962 - 1964
Herbert Frasch	1964 - 1966
Stanley Emerson	1966 - 1967
Louis Aufdermaur	1967 - 1969
Marvin Focha	1969 - 1971
Robert Seifert	1971 - 1976
John Lima	1976 - 1978
Chet Veldstra	1978 - 1981
Arnold Rothlin	1981 - 1984
Frank J. Borges	1984 - 1987
Lloyd Haworth	1987 - 1989
Danny Rocha	1989 - 1991
Joe Pimentel, Jr.	1991 - 1993
John Bartelink	1993 - 1995
Frank Borba, Jr.	1995 - 1997
Jack Hamm	1997 - 1999
Evert Achterberg	1999 - 2001
Tony Borba, Jr.	2001 - 2004
Peter Van Warmerdam	2004 - 2006
Jon Tollenaar	2007 - 2008
Jake Weststeyn	2009 - 2010
John Kisst	2011 - 2012
Bill Bergwerff	2013 - 2014
Matt Erman	2015 - 2017
Ed Machado	2017 - Present

• Acknowledgment •

The Directors of the San Joaquin Dairy Herd Improvement Association wish to thank the firms whose advertisements made this publication possible.



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SUMMARY OF OFFICIAL HERDS

DHI-PROVO AND AGRITECH

SUMMARY FOR OFFICIAL HERDS	DHI PROVO	AGRI TECH
Number of Herds	43	31
Cows on Test	38625	50590
Average Herd Size	898	1632
Percent Days in Milk	87	88
Average Days in Milk	194	179
Average Daily Milk (Milking Cows)	73	80
Average Daily % Fat (Milking Cows)	3.83	3.90
Average Days in Milk at First Breeding	76	75
Average Days Open	136	122
Services / Conception	2.7	2.4
Average Calving Interval	13.5	12.9
Average Herd Somatic Cell Count	235	207
Percent SCC Low	82	83
Percent SCC Medium	14	13
Percent SCC High	4	4
Average Cow PTA Dollars	99	235
Percent Usable ID	57	88
Percent Cows Leaving Herd	40	38

ROLLING HERD AVERAGES

Milk per Cow	24018	25794
Fat per Cow	921	955
Percent Fat	3.83	3.90
Energy Corrected Milk (ECM)	25653	26974



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HONOR ROLL HERDS

By Pounds of ECM (Herds completed 9 tests or more)

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MLK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
VAN EXEL HOLSTEINS*	HO	1367	20	30890	3.39	1048	3.05	941	30564	12
DESNAYER DAIRY	HO	1866	42	29418	3.66	1076	3.11	914	30500	13
VAN WARMERDAM DAIRY	HO	1262	39	27976	3.90	1091	3.28	917	30132	12
LIMA RANCH*	HO	1822	36	28355	3.60	1021	3.16	895	29296	12
DE WIT DAIRY*	HO	1762	42	27812	3.70	1028	3.17	882	29110	12
MACHADO DAIRY FARMS*	XX	5188	37	26740	3.93	1052	3.35	896	29084	12
FRANK J. BORGES DAIRY*	HO	1386	83	27609	3.74	1031	3.06	844	28794	11
DOORNENBAL DAIRY	HO	1622	64	28275	3.53	999	3.16	895	28784	11
DA SILVA DAIRY	HO	2778	49	26864	3.78	1014	3.31	890	28557	12
ED MACHADO DAIRY	HO	2913	37	26677	3.94	1051	3.06	818	28551	12
KOORYMAN AND SON	HO	553	39	27294	3.69	1006	8.94	2440	28469	12
DUTRA DAIRY	HO	1796	39	26239	3.99	1046	3.18	835	28361	12
BLUE STAR DAIRY	HO	953	41	26258	3.98	1045	3.15	828	28294	12
NELES & JOHNSON	HO	389	58	27641	3.57	987	3.06	846	28250	12
POSTMA DAIRY	HO	1887	44	26132	3.89	1017	3.23	845	28019	9
DS FARMS	HO	975	34	25987	3.85	1001	3.21	835	27807	12
PRINS DAIRY	HO	1235	32	26322	3.72	978	9.00	2368	27664	11
BWC WESTSTEYN DAIRY LP	HO	2729	42	26155	3.79	991	3.21	840	27631	12
HILLTOP HOLSTEINS LLC	HO	1872	38	26827	3.51	941	3.11	835	27105	12
VAN EXEL JERSEYS*	JE	480	24	22022	4.80	1057	3.65	804	27077	12
KISST DAIRY	HO	1898	34	25810	3.64	941	3.25	840	27010	13
VANDERSCHAAF DAIRY*	HO	5909	37	26863	3.42	917	3.16	848	26898	12
NEW HOPE DAIRY	HO	1405	41	25714	3.68	946	3.19	821	26744	12
BARTELINK DAIRY	HO	828	35	24432	3.93	960	3.34	815	26615	12
PEREIRA DAIRY	HO	414	41	24422	3.96	967	3.27	798	26573	11
F.D.B. CROSSBREDS	JE	173	40	21726	4.79	1040	3.61	784	26531	9
CAL-DENIER DAIRY	HO	1024	43	25929	3.48	904	3.20	830	26494	11
CASTELANELLI BROS	HO	1851	48	25924	3.54	917	3.19	827	26459	12
FARIA DAIRY #3	HO	269	46	24762	3.76	930	3.19	790	26145	10
MERTENS DAIRY	HO	939	36	24870	3.66	909	3.33	828	26067	10
ART SILVA DAIRY	XX	1461	23	22173	4.49	996	3.50	777	26054	12
BROOKS & ERMAN RANCH	XX	462	44	23222	4.21	978	3.26	758	26019	9
KAehler DAIRY	HO	857	43	24427	3.83	935	3.24	791	25989	12
J A MACHADO DAIRY FARMS	HO	2484	38	26004	3.37	877	3.20	832	25983	11
STUYT DAIRY	HO	515	38	24851	3.63	902	3.29	817	25871	9
TURNER ROAD DAIRY*	HO	807	48	25835	3.41	880	3.14	812	25806	12
BERGWERFF FARM INC	XX	708	33	23701	3.86	914	3.34	793	25517	9
QUARESMA DAIRY*	HO	2507	45	23333	4.02	938	3.19	744	25431	13

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HONOR ROLL HERDS *(continued)*

By Pounds of ECM (Herds completed 9 tests or more)

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
WAGNER DAIRY	HO	2317	35	24127	3.69	890	3.26	786	25260	12
RIVER OAK DAIRY	XX	1543	36	23702	3.71	879	3.38	800	25214	12
KOOLHAAS DAIRY	HO	2012	26	23805	3.81	908	3.19	758	25177	11
F.D.B. HOLSTEINS	HO	456	42	23382	3.86	903	3.28	768	25177	9
NISSSEN DAIRY INC.	HO	624	48	23609	3.80	897	3.23	761	25120	13
DA SILVA DAIRY JERSEYS	XX	578	35	21645	4.28	926	3.64	789	25074	12
BYLSMA DAIRY	HO	680	40	22911	3.93	900	3.39	777	25052	12
FARIA DAIRY #1	HO	969	36	23387	3.81	892	3.25	760	24975	13
MANUEL BORGES DAIRY	HO	1238	31	23330	3.82	891	3.23	754	24791	12
DOUBLE G DAIRY*	HO	1042	44	22875	3.91	895	3.22	737	24672	12
STAAS FARMS INC	JE	1314	37	19634	4.86	954	3.75	736	24368	13
SITED OAK DAIRY	HO	117	34	22904	3.77	864	3.26	748	24363	13
WOODS DAIRY	HO	250	33	23684	3.51	832	3.11	737	24120	13
FRANK TEICHEIRA & SONS	HO	579	39	22668	3.67	831	3.31	750	23874	11
F.D.B. JERSEYS	JE	427	42	19250	4.83	931	3.76	723	23846	9
SILVA BROTHERS	HO	503	25	22907	3.64	834	3.18	728	23824	10
CRANE DAIRY*	XX	325	46	20501	4.21	863	3.50	717	23311	12
FRANK CHAVES & SONS	HO	864	33	22120	3.63	804	3.17	701	22973	12
MULAS FAMILY DAIRY	HO	810	42	21726	3.74	813	3.18	691	22761	11
QUARESMA DAIRY JERSEYS*	JE	430	42	17722	4.80	850	3.72	659	21811	13
TONY PIRES DAIRY	HO	269	39	21106	3.49	737	3.19	673	21561	13
GAWN ORGANIC DAIRY	XX	409	36	17778	4.09	728	3.30	587	19652	12
FARIA GUERNSEYS	GU	11	27	16528	4.56	754	3.41	564	19455	10
DEUEL VOCATIONAL INST	HO	663	35	18399	3.77	693	8.75	1610	19141	12

* 3X Herd



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COWS ON TEST AND PRODUCTION

Year Ending June	Total No. Cows	Total No. Herds	Avg Milk Per Cow	Avg Butterfat Per Cow	No. Cows Culled
Cow testing started in 1915 but records not available (NA) until 1922					
1915	750	17	NA	NA	NA
1925	1,765	60	301		
1930	8,236	154	7,943	306	-
1935	4,856	84	7,896	321	511
1940	6,918	128	8,787	359	728
1945	5,235	132	8,463	346	1,615
1950	10,051	158	9,626	388	2,067
1955	14,045	181	10,180	397	4,066
1960	24,790	203	11,857	443	6,897
1961	27,236	210	12,008	449	7,383
1962	28,042	207	12,465	466	8,996
1963	28,987	197	12,722	474	8,830
1964	30,434	184	12,605	474	9,049
1965	29,612	167	13,032	487	8,476
1966	29,193	155	12,967	492	8,812
1967	31,660	156	13,328	498	8,056
1968	32,583	149	13,543	503	8,869
1969	32,521	138	14,065	520	9,253
1970	32,470	129	14,284	529	9,107
1971	33,828	131	14,648	546	9,618
1972	35,314	130	15,221	559	9,294
1973	36,763	116	14,993	555	10,741
1974	37,689	114	14,787	547	10,553
1975	37,762	109	14,829	552	11,706
1976	39,144	99	15,455	576	10,960
1977	36,429	102	16,098	599	10,950
1978	37,191	104	16,615	613	10,042
1979	40,589	101	16,247	591	10,959
1980	42,345	107	16,553	607	11,010
1981	45,600	114	16,911	613	13,224
1982	46,495	115	17,182	634	13,019
1983	47,407	117	17,071	629	13,274
1984	47,096	108	17,195	624	15,071
1985	46,240	103	17,128	621	12,947

WHY TEST?

Regular testing and upkeep of dairy management records helps producers maintain a healthy herd and return a profit.

Skip Vierra
General Manager
209-356-0355

Frank Azevedo
Field Manager
209-326-4707



241 Business Park Way
Atwater, CA 95301

Kylie Gibson
Lab Manager
209-326-9239

COWS ON TEST AND PRODUCTION *(continued)*

Year Ending June	Total No. Cows	Total No. Herds	Avg Milk Per Cow	Avg Butterfat Per Cow	No. Cows Culled
1986	46,063	93	18,554	678	13,819
1987	43,827	92	18,648	677	12,272
1988	46,949	102	19,023	701	12,676
1989	53,365	105	18,938	696	16,543
1990	53,646	106	19,571	715	16,094
1991	58,476	109	19,516	708	16,958
1992	60,139	111	19,698	721	21,650
1993	62,015	115	19,585	726	21,085
1993*	76,250	157	19,577	729	26,067
1994	72,690	145	19,648	730	26,077
1995	73,567	133	19,806	739	25,468
1996	76,737	127	19,442	722	24,189
1997	79,510	130	20,159	755	22,939
1998	80,640	118	20,877	784	26,965
1999	79,476	126	21,117	787	25,779
2000	82,151	126	21,538	809	25,372
2001	87,560	132	21,626	808	27,545
2002	93,640	134	21,657	799	32,176
2003	98,723	139	22,609	823	32,578
2004	98,888	132	22,010	820	30,899
2005	100,941	133	22,510	826	33,120
2006	100,940	129	21,850	812	32,470
2007	101,906	122	21,647	806	32,610
2008	101,046	117	22,725	846	34,355
2009	102,720	115	22,842	839	37,173
2010	96,709	100	22,288	816	33,848
2011	102,542	104	22,811	784	38,965
2012	89,994	94	22,755	828	34,198
2013	92,882	89	23,065	850	36,924
2014	91,075	83	23,499	859	33,258
2015	90,266	81	23,501	874	36,508
2016	90,004	78	24,611	912	34,810
2015	90,266	81	23,501	874	36,508
2016	90,004	78	24,611	912	34,810
2017	100,332	83	24,510	929	37,880
2018	94,634	80	25,025	940	34,660

* Following the merger with North Central Valley DHIA.



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OFFICIAL HERD SUMMARY

2017-2018

200 COWS AND UNDER

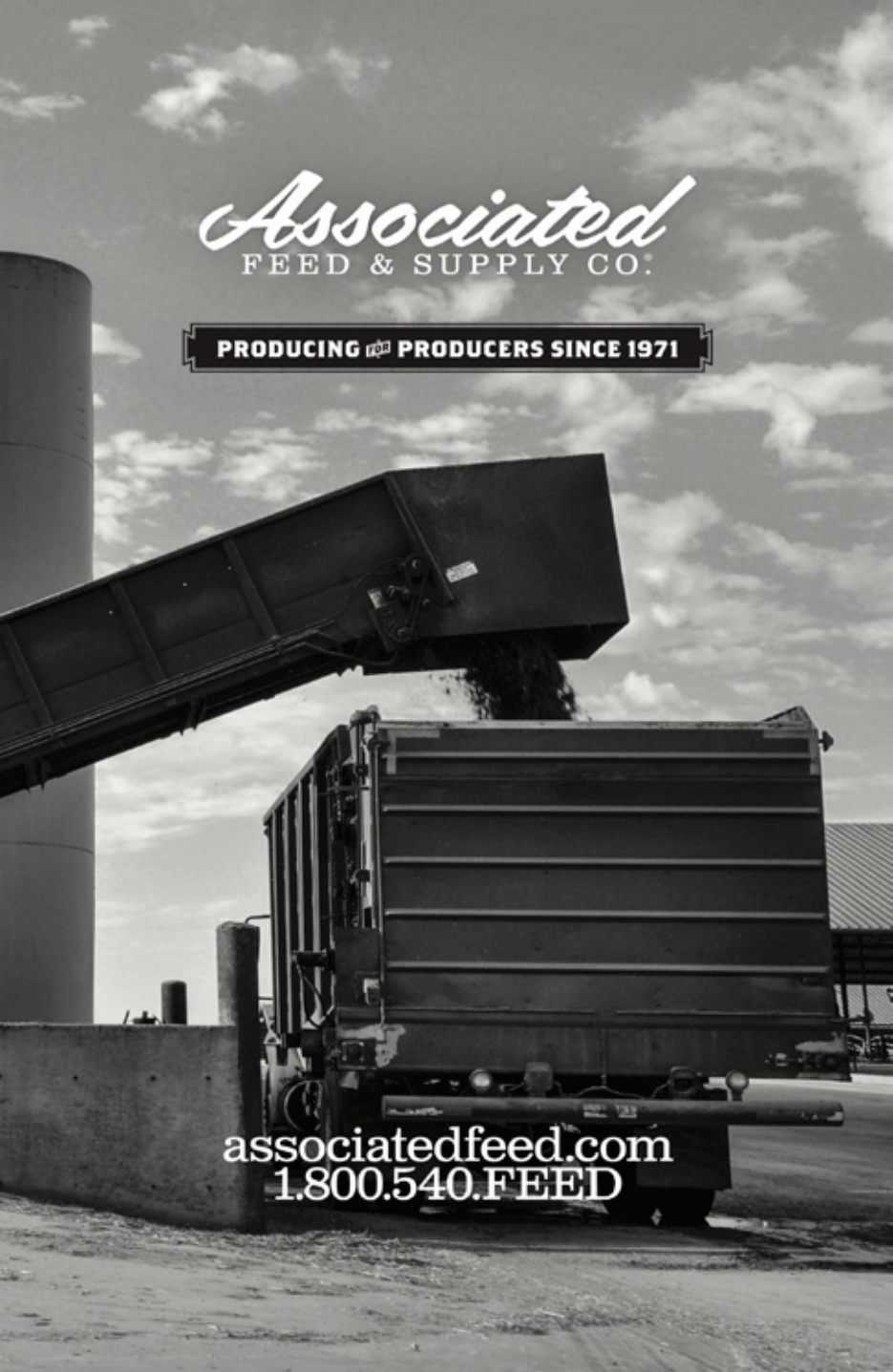
HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
F.D.B. CROSSBREDS	JE	173	40	21726	4.79	1040	3.61	784	26531	9
SITED OAK DAIRY	HO	117	34	22904	3.77	864	3.26	748	24363	13
FARIA GUERNSEYS	GU	11	27	16528	4.56	754	3.41	564	19455	10

201 TO 400 COWS

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
NELES & JOHNSON	HO	389	58	27641	3.57	987	3.06	846	28250	12
FARIA DAIRY #3	HO	269	46	24762	3.76	930	3.19	790	26145	10
WOODS DAIRY	HO	250	33	23684	3.51	832	3.11	737	24120	13
CRANE DAIRY*	XX	325	46	20501	4.21	863	3.50	717	23311	12
PIRES DAIRY	HO	269	39	21106	3.49	737	3.19	673	21561	13

401 TO 600 COWS

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
KOORYMAN AND SON	HO	553	39	27294	3.69	1006	8.94	2440	28469	12
VAN EXEL JERSEYS*	JE	480	24	22022	4.80	1057	3.65	804	27077	12
PEREIRA DAIRY	HO	414	41	24422	3.96	967	3.27	798	26573	11
BROOKS & ERMAN RANCH	XX	462	44	23222	4.21	978	3.26	758	26019	9
STUYT DAIRY	HO	515	38	24851	3.63	902	3.29	817	25871	9
F.D.B. HOLSTEINS	HO	456	42	23382	3.86	903	3.28	768	25177	9
DA SILVA DAIRY JERSEYS	XX	578	35	21645	4.28	926	3.64	789	25074	12
FRANK TEICHEIRA & SONS	HO	579	39	22668	3.67	831	3.31	750	23874	11
F.D.B. JERSEYS	JE	427	42	19250	4.83	931	3.76	723	23846	9
SILVA BROTHERS	HO	503	25	22907	3.64	834	3.18	728	23824	10
QUARESMA DAIRY JERSEYS*	JE	430	42	17722	4.80	850	3.72	659	21811	13
GAWN ORGANIC DAIRY	XX	409	36	17778	4.09	728	3.30	587	19652	12



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OFFICIAL HERD SUMMARY (continued)

2017-2018

601 TO 1000 COWS

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
BLUE STAR DAIRY	HO	953	41	26258	3.98	1045	3.15	828	28294	12
DS FARMS	HO	975	34	25987	3.85	1001	3.21	835	27807	12
BARTELINK DAIRY	HO	828	35	24432	3.93	960	3.34	815	26615	12
MERTENS DAIRY	HO	939	36	24870	3.66	909	3.33	828	26067	10
KAHLER DAIRY	HO	857	43	24427	3.83	935	3.24	791	25989	12
TURNER ROAD DAIRY*	HO	807	48	25835	3.41	880	3.14	812	25806	12
BERGWERFF FARM INC	XX	708	33	23701	3.86	914	3.34	793	25517	9
NISSSEN DAIRY INC.	HO	624	48	23609	3.80	897	3.23	761	25120	13
JIM BYLSMA DAIRY	HO	680	40	22911	3.93	900	3.39	777	25052	12
FARIA DAIRY #1	HO	969	36	23387	3.81	892	3.25	760	24975	13
FRANK CHAVES & SONS	HO	864	33	22120	3.63	804	3.17	701	22973	12
MULAS FAMILY DAIRY	HO	810	42	21726	3.74	813	3.18	691	22761	11
DEUEL VOCATIONAL INST	HO	663	35	18399	3.77	693	8.75	1610	19141	12

1001 TO 1500 COWS

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
VAN EXEL HOLSTEINS*	HO	1367	20	30890	3.39	1048	3.05	941	30564	12
VAN WARMERDAM DAIRY	HO	1262	39	27976	3.90	1091	3.28	917	30132	12
FRANK J. BORGES DAIRY*	HO	1386	83	27609	3.74	1031	3.06	844	28794	11
PRINS DAIRY	HO	1235	32	26322	3.72	978	9.00	2368	27664	11
NEW HOPE DAIRY	HO	1405	41	25714	3.68	946	3.19	821	26744	12
CAL-DENIER DAIRY	HO	1024	43	25929	3.48	904	3.20	830	26494	11
ART SILVA DAIRY	XX	1461	23	22173	4.49	996	3.50	777	26054	12
MANUEL BORGES DAIRY	HO	1238	31	23330	3.82	891	3.23	754	24791	12
DOUBLE G DAIRY*	HO	1042	44	22875	3.91	895	3.22	737	24672	12
STAAS FARMS INC	JE	1314	37	19634	4.86	954	3.75	736	24368	13

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OFFICIAL HERD SUMMARY (continued)

2017-2018

1501 TO 2000 COWS

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
DESNAYER DAIRY	HO	1866	42	29418	3.66	1076	3.11	914	30500	13
LIMA RANCH*	HO	1822	36	28355	3.60	1021	3.16	895	29296	12
DE WIT DAIRY*	HO	1762	42	27812	3.70	1028	3.17	882	29110	12
DOORNENBAL DAIRY	HO	1622	64	28275	3.53	999	3.16	895	28784	11
DUTRA DAIRY	HO	1796	39	26239	3.99	1046	3.18	835	28361	12
POSTMA DAIRY	HO	1887	44	26132	3.89	1017	3.23	845	28019	9
HILLTOP HOLSTEINS LLC	HO	1872	38	26827	3.51	941	3.11	835	27105	12
KISST DAIRY	HO	1898	34	25810	3.64	941	3.25	840	27010	13
CASTELANELLI BROS	HO	1851	48	25924	3.54	917	3.19	827	26459	12
RIVER OAK DAIRY	XX	1543	36	23702	3.71	879	3.38	800	25214	12

OVER 2000 COWS

HERD NAME	BREED	COWS IN HERD	% CULL	RHA MILK	% FAT	RHA FAT	% P/S	RHA P/S	RHA ECM	TEST 365
MACHADO DAIRY FARMS*	XX	5188	37	26740	3.93	1052	3.35	896	29084	12
DA SILVA DAIRY	HO	2778	49	26864	3.78	1014	3.31	890	28557	12
ED MACHADO DAIRY	HO	2913	37	26677	3.94	1051	3.06	818	28551	12
BWC WESTSTEYN DAIRY LP	HO	2729	42	26155	3.79	991	3.21	840	27631	12
VANDERSCHAAF DAIRY*	HO	5909	37	26863	3.42	917	3.16	848	26898	12
J A MACHADO DAIRY FARMS	HO	2484	38	26004	3.37	877	3.20	832	25983	11
QUARESMA DAIRY*	HO	2507	45	23333	4.02	938	3.19	744	25431	13
WAGNER DAIRY	HO	2317	35	24127	3.69	890	3.26	786	25260	12
KOOLHAAS DAIRY	HO	2012	26	23805	3.81	908	3.19	758	25177	11

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2017-2018 HIGH COWS/HEIFERS

Top 40 by ECM/FCM Holsteins

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
VAN EXEL HOLSTEINS	7606	HO	3	51400	1477	1393	46522	BRONCO	305	305
ED MACHADO DAIRY	1017	HO	5	38310	1772	1123	44010	ALTARAVEN	305	
VAN EXEL HOLSTEINS	16882	HO	4	42220	1592	1213	43641	ALTAESQUIRE	305	
DOUBLE G DAIRY	3607	HO	4	31930	1855	1074	42626	COURAGE	305	
KISST DAIRY	6623	HO	3	38290	1580	1225	42292	BOWMAN	305	
VAN STEYN DAIRY	756	HO	5	32090	1890	945	42151	STRATEGIST	303	305
LIMA RANCH	8986	HO	3	39450	1533	1224	42055	BOLIVER	305	
VAN EXEL HOLSTEINS	656	HO	4	40658	1509	1223	41850	PLANET	305	
DUTRA DAIRY	1686	HO	3	37893	1641	1082	41708	JAYTON	305	
DESNAYER DAIRY	11959	HO	4	40510	1485	1195	41560	SHOT	305	
DOUBLE G DAIRY	4604	HO	2	37850	1588	1116	41423	RYE	305	28
DESNAYER DAIRY	11024	HO	4	40530	1505	1086	40997	ALTADORNE	305	305
VAN EXEL HOLSTEINS	17809	HO	3	42270	1379	1213	40899	ALTAAIRNET	305	
ED MACHADO DAIRY	4046	HO	2	36400	1603	1081	40877	MUEZZA	305	
DOUBLE G DAIRY	3613	HO	3	34140	1670	1056	40816	PRESTON	305	26
DOUBLE G DAIRY	3481	HO	4	36720	1614	1018	40646	GRANGER	300	33
VAN WARMERDAM DAIRY	872	HO	4	39260	1455	1211	40629	LOGISTIC	305	296
ED MACHADO DAIRY	558	HO	3	33750	1677	1029	40574	BERNUM	305	
DESNAYER DAIRY	12562	HO	3	40630	1428	1123	40313	ALTASLAPSHOT	305	
VAN EXEL HOLSTEINS	17885	HO	3	41217	1393	1208	40311	MAXUM	305	
VAN EXEL HOLSTEINS	18463	HO	2	39350	1458	1122	40276	SYMPATICO *RC	305	305
VAN EXEL HOLSTEINS	16480	HO	5	39500	1415	1188	40270	OFFICER	305	305
DESNAYER DAIRY	12242	HO	3	39560	1402	1194	40166	O-STYLE	305	305
VAN EXEL HOLSTEINS	18918	HO	2	39110	1436	1152	40140	DORCY	305	
VAN EXEL HOLSTEINS	18350	HO	3	40822	1396	1195	40134	SHAMROCK	305	
DOUBLE G DAIRY	4028	HO	3	37280	1510	1094	40059		305	305
DESNAYER DAIRY	13605	HO	2	35930	1489	1186	40045	ALTADELCAMPO	287	
VAN EXEL HOLSTEINS	18517	HO	2	38870	1422	1168	40002	RAY	305	
VAN EXEL HOLSTEINS	18837	HO	2	41233	1364	1212	39955	DEMPSEY	305	
DESNAYER DAIRY	10470	HO	4	39130	1447	1106	39940	SUNDANCE	305	
LIMA RANCH	10638	HO	2	35280	1507	1163	39891	GARMAN	305	43
VAN WARMERDAM DAIRY	2221	HO	3	36794	1434	1238	39877	DOVER	305	
LIMA RANCH	8190	HO	5	34860	1477	1217	39776	JUNCTION	305	
ED MACHADO DAIRY	1487	HO	4	35620	1486	1169	39776	BUCKO	305	
VAN WARMERDAM DAIRY	2223	HO	3	35828	1479	1183	39765	DOVER	305	



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2017-2018 HIGH COWS/HEIFERS (continued)

Top 40 by ECM/FCM Holsteins

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
PRINS DAIRY	1061	HO	3	32060	1680	2809	39663		305	
VAN WARMERDAM DAIRY	887	HO	5	34741	1498	1175	39653	GUSTO	305	
VAN EXEL HOLSTEINS	16671	HO	4	38820	1401	1149	39569	SUNDANCE	305	305
KOORYMAN AND SON	611	HO	4	35880	1548	3087	39569	DOVER	305	
F.D.B. HOLSTEINS	3740	HO	3	39610	1334	1228	39561	ATWOOD	305	

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2017-2018 HIGH COWS/HEIFERS

Top 40 by ECM/FCM All Other Breeds

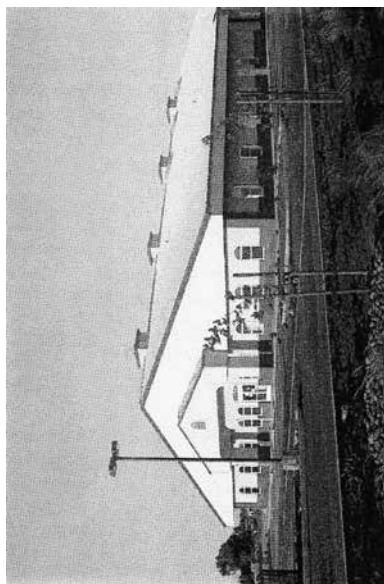
HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
F.D.B. CROSSBREDS	2161	JE	2	38540	1798	1126	44444	CHIP	305	
F.D.B. CROSSBREDS	2368	JE	2	35600	1715	1182	42834	CHIP	305	
VAN EXEL JERSEYS	2498	JE	4	33090	1748	1136	42259	VALENTINO	305	165
BROOKS & ERMAN RANCH	1234	XX	5	39950	1526	1196	41915		305	50
ED MACHADO DAIRY	3998	XX	3	34740	1689	1059	41281	KARIM	305	
BROOKS & ERMAN RANCH	3150	UK	3	37290	1540	1114	40603		305	76
BROOKS & ERMAN RANCH	1231	XX	5	36200	1534	1082	39926		305	
VAN EXEL JERSEYS	2393	JE	4	31650	1586	1147	39752	GOLD ACTION	305	305
VAN EXEL JERSEYS	2393	JE	4	31650	1586	1147	39605	GOLD ACTION	305	305
MACHADO DAIRY FARMS	11053	XD	2	39664	1295	1258	38960	ZAYD	305	233
BROOKS & ERMAN RANCH	2731	XX	5	31720	1556	1095	38845	JAKE	297	51
VAN EXEL JERSEYS	2693	JE	3	31810	1532	1106	38728	VINCENT	305	304
VAN EXEL JERSEYS	2693	JE	3	31810	1532	1106	38647	VINCENT	305	305
VAN EXEL JERSEYS	2666	JE	3	31260	1518	1107	38393	VENERABLE	305	305
F.D.B. CROSSBREDS	1200	JE	6	31640	1543	1048	38293	NORAN	305	
VAN EXEL JERSEYS	2666	JE	3	31260	1518	1107	38293	VENERABLE	305	305
VAN EXEL JERSEYS	332	JE	1	40560	1249	1216	38242	JEKYLL	305	185
MACHADO DAIRY FARMS	10944	XD	2	33496	1458	1100	38147	MADDEN	305	253
MACHADO DAIRY FARMS	11676	XD	2	37845	1291	1218	38069	DIVIDEND	305	185
MACHADO DAIRY FARMS	9991	XD	2	36630	1336	1184	38060	DIVIDEND	305	221
VAN EXEL JERSEYS	2784	JE	2	28960	1565	1064	38034	TOPEKA	305	305
MACHADO DAIRY FARMS	10662	XD	2	33510	1434	1111	37916	MACHETE	305	249
VAN EXEL JERSEYS	2761	JE	3	29649	1522	1095	37899	VERNON	305	
VAN EXEL JERSEYS	2784	JE	2	28960	1565	1064	37823	TOPEKA	305	305
VAN EXEL JERSEYS	31790	JE	4	29330	1569	1024	37692	STONE	305	305
F.D.B. JERSEYS	1980	JE	3	31170	1454	1131	37617	T FRED	305	
VAN EXEL JERSEYS	2582	JE	3	27620	1515	1105	37319	PREMIER	280	284
MACHADO DAIRY FARMS	11353	XD	2	37692	1266	1172	37310	ZAYD	305	200
VAN EXEL JERSEYS	2503	JE	4	28390	1527	1070	37190	ACTION	305	305
BROOKS & ERMAN RANCH	3368	XX	2	29550	1545	981	37126		305	81
BROOKS & ERMAN RANCH	3403	XX	2	32000	1481	984	37121	ARK	305	
VAN EXEL JERSEYS	2582	JE	3	27620	1515	1105	37049	PREMIER	280	280
VAN EXEL JERSEYS	2497	JE	4	29380	1482	1059	36986	ADAM	276	276
MACHADO DAIRY FARMS	8877	XD	3	31724	1429	1061	36939	DOMINICAN	305	
ART SILVA DAIRY	1238	XX	4	33290	1377	1081	36934	AHLEM	305	

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2017-2018 HIGH COWS/HEIFERS *(continued)*

Top 40 by ECM/FCM All Other Breeds

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
MACHADO DAIRY FARMS	1315	XX	4	29914	1466	1059	36918	REGION	305	
MACHADO DAIRY FARMS	11618	XD	2	34170	1347	1110	36914	MADDEN	305	185
BROOKS & ERMAN RANCH	3176	UK	4	31340	1469	1005	36910		305	41
MACHADO DAIRY FARMS	1114	XD	5	30031	1443	1086	36861	BULL	305	
DESNAVER DAIRY	10767	XX	4	39910	1163	1150	36851	DIGGER	305	

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2017-2018 HIGH COWS/HEIFERS

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
ART SILVA DAIRY	654	HO	5	36500	1426	1111	38846	ALTATORCH	305	
	1238	XX	4	33290	1377	1081	36934	AHLEM	305	
	2356	XX	2	28760	1483	1019	36354	DOMINICAN	305	
	715	HO	5	32070	1389	1024	36257	ALTADURABLE	297	
	1067	XX	4	29490	1447	969	35746	ABE	305	
B & J DAIRY	3607	HO	2	28765	1153	919	31207	PLANET	305	
	4649	HO	2	28231	1217	828	31177	MAXUM	305	
	7943	HO	3	29747	1069	904	30220	BOOSTER	305	
	2204	HO	3	28603	1075	904	29981	ATLANTIC	298	
	7907	JE	4	27200	1086	902	29722	BOOSTER	305	
BARTELINK DAIRY	3337	HO	4	35690	1308	1081	36825	ALTADETROIT	305	
	3219	HO	3	31930	1369	1086	36423	ALTACALIBER	305	
	3580	HO	3	32010	1232	1051	34409	ALTADETROIT	305	
	4214	HO	2	27710	1402	942	34376	ALTARAZOR	305	
	3841	HO	2	31660	1230	999	33874		305	
BERGWERFF FARM INC	1620	HO	4	31216	1322	975	34641	GABOR	305	
	12120	XD	3	34265	1185	1077	34474	93UNK	305	
	12064	HO	3	32211	1214	1045	34031	93UNK	305	
	1590	HO	4	33440	1193	1030	33966		305	
	12333	HO	2	31714	1197	1036	33587	TIPOLI	305	
BETTENCOURT & BORGES	978	HO	1	27900	1191	863	31106	RIGG	305	202
	8894	HO	3	28100	1189	800	30666	SR	305	208
	733	HO	2	25840	1122	751	28687	ABERLIN	305	180
	119	HO	2	23440	1093	798	27884		305	
	646	HO	2	25790	1035	788	27825	ABERLIN	305	
BLUE STAR DAIRY	1950	HO	3	34847	1383	1050	37098		305	
	1795	HO	3	33824	1368	1051	36617		305	
	1569	HO	4	31868	1383	1050	36266	GRAYBIL	305	
	946	HO	5	33711	1317	1081	36141	ROLEX	305	
	1693	HO	4	34509	1297	1031	35682	MAXUM	305	
BROOKS & ERMAN RANCH	1234	XX	5	39950	1526	1196	41915		305	50
	3150	UK	3	37290	1540	1114	40603		305	76
	1231	XX	5	36200	1534	1082	39926		305	
	2731	XX	5	31720	1556	1095	38845	JAKE	297	51
	3368	XX	2	29550	1545	981	37126		305	81

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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
BWC WESTSTEYN DAIRY LP	1992	HO	3	38311	1391	1149	38987	TEMPO	305	
	30501	HO	3	32697	1542	1074	38849	KABOUM	305	
	1430	HO	7	36435	1431	1112	38701	BINKY	305	
	31774	HO	2	37554	1362	1148	38375	SPUR	305	
	30218	HO	3	35485	1434	1095	38337	TEXIERA	301	
BYLSMA DAIRY	349	HO	4	35480	1136	1109	34742		305	
	146	HO	3	32070	1257	1041	34677	DENETHOR	305	
	476	HO	4	31870	1252	1019	34379	MCCORMICK	305	
	686	HO	2	29280	1302	979	33876	PATRON	305	
	209	HO	4	30590	1231	1031	33780	PENNYMAKER	305	
CAL-DENIER DAIRY	4765	HO	4	36430	1387	1112	38325	FRITZ	305	
	5317	HO	3	38410	1297	1106	37762	ERIVAN	305	
	6240	HO	4	33470	1432	1025	37279	CONTROL	305	
	2598	HO	3	33670	1388	1076	37162	LAVANGUARD	305	
	96117	HO	4	34800	1356	1065	37034	ASHMORE	305	
CASTELANELLI BROS	3060	HO	4	36593	1256	1172	36867	ALTAETOILE	305	
	9192	HO	3	35082	1331	1065	36582	ALTAETOILE	305	
	9180	HO	3	38554	1189	1123	36105	ALTAMATARO	305	
	3072	HO	4	33879	1290	1060	35650	ALTAASIDE	305	
	3118	HO	4	38392	1189	1070	35624		305	
CRANE DAIRY	17078	HO	4	35690	1309	1058	36397	FORK	305	305
	18533	HO	2	35610	1202	1023	34985	SHAMROCK	305	
	2679	JE	3	27140	1383	1042	34879	VENERABLE	305	305
	2662	JE	3	28910	1336	1056	34852	PREMIER	305	297
	18567	HO	2	32840	1311	925	34535	ALTACEO	305	305
CREEKSIDA DAIRY	175	HO	4	36375	1484	1060	38976	ARNIE	305	305
	654	HO	5	38374	1361	1085	38073	FOCUS	305	305
	973	HO	3	36142	1414	1053	37905	GABOR	305	305
	694	HO	4	35255	1422	1062	37839	AMICUS	305	305
	162	HO	3	34954	1439	1015	37599	BRITEN	305	305
DA SILVA DAIRY	289	HO	4	38195	1415	1116	39009	APPLICANT	305	
	8019	HO	6	38248	1366	1109	38303	RONALD	305	
	227	HO	5	32877	1452	1087	37786	TERMINATOR	296	
	8488	HO	5	34746	1369	1157	37759	JINGLES	290	
	1051	HO	4	35155	1315	1102	36690	ROCKY	305	



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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
DA SILVA DAIRY JERSEYS	906	JE	5	28337	1335	1046	34596		305	
	8754	XD	6	32737	1125	1033	32873	GANNON {2}	305	
	1228	XD	4	28649	1180	1004	32238	IATOLA	305	
	9941	XD	4	30532	1118	978	31711	ROLEX	292	
	10463	XD	3	28451	1122	1030	31610	BOMAZ	305	
DE WIT DAIRY	7849	HO	3	36070	1460	1077	38887	JAMMER	305	30
	6113	HO	5	37640	1341	1118	38171	REBEL	305	22
	5653	HO	5	35580	1387	1101	37964		305	24
	6227	HO	4	32880	1404	1167	37803	ROLAND	305	
	6471	HO	4	34090	1411	1087	37681	JUNCTION	305	
DESNAYER DAIRY	11959	HO	4	40510	1485	1195	41560	SHOT	305	
	11024	HO	4	40530	1505	1086	40997	ALTADORNE	305	
	12562	HO	3	40630	1428	1123	40313	ALTASLAPSHOT	305	
	12242	HO	3	39560	1402	1194	40166	O-STYLE	305	
	13605	HO	2	35930	1489	1186	40045	ALTADELCAMPO	287	
DESPERADO DAIRY	1874	JE	3	25940	1405	1010	34353	VEGAS	294	
	2099	XX	2	28010	1153	968	31447	LINCOLN	305	
	1717	XX	4	30300	1037	1045	31279	VITO	305	
	1549	HO	4	28390	1113	913	30636		280	
	2134	XX	2	22730	1246	880	30256	DIVIDEND	305	
DEUEL VOCATIONAL INST	4233	HO	3	28270	1244	2478	31824	DURABLE	305	
	4263	HO	3	30850	1167	2634	31697	FREDDIE	305	
	4522	HO	2	29740	1148		31478	ROLAND	305	
	4253	HO	3	28130	1085	2495	29842	THOR	305	
	4419	HO	3	27710	1123	2399	29700	POTTER	305	
DOORNENBAL DAIRY	2474	HO	3	35278	1375	1101	37529	TIMELESS	305	
	36	HO	3	32615	1391	1039	36493	GONZO	305	
	2889	HO	4	36709	1283	1061	36354	DOVER	305	
	2979	HO	4	32764	1319	1048	35632	DIVET	305	
	32	HO	6	33563	1260	1097	35459	TENNYSON	305	
DOUBLE G DAIRY	3607	HO	4	31930	1855	1074	42626	COURAGE	305	
	4604	HO	2	37850	1588	1116	41423	RYE	305	28
	3613	HO	3	34140	1670	1056	40816	PRESTON	305	26
	3481	HO	4	36720	1614	1018	40646	GRANGER	300	33
	4028	HO	3	37280	1510	1094	40059		305	



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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
DS FARMS	224	HO	3	34470	1390	1044	37207	JAYTON	305	
	11153	HO	2	35900	1270	1117	36675	ALEXANDER	305	
	630	HO	3	33770	1323	1115	36650	DOVER	305	
	761	HO	3	34970	1285	1123	36611	DOVER	303	
	8	HO	5	35040	1362	986	36590	ERON	305	
DUTRA DAIRY	1686	HO	3	37893	1641	1082	41708	JAYTON	305	
	1872	HO	4	35597	1418	1145	38562	PEPPER	305	
	12	HO	4	35996	1459	1042	38383	HISTORICAL	305	
	1560	HO	3	35679	1397	1104	37964	JANUARY	305	
	450	HO	2	37915	1316	1143	37811	REPORT	305	
ED MACHADO DAIRY	1017	HO	5	38310	1772	1123	44010	ALTARAVEN	305	
	3998	XX	3	34740	1689	1059	41281	KARIM	305	
	4046	HO	2	36400	1603	1081	40877	MUEZZA	305	
	558	HO	3	33750	1677	1029	40574	BERNUM	305	
	1487	HO	4	35620	1486	1169	39776	BUCKO	305	
F.D.B. CROSSBREDS	2161	JE	2	38540	1798	1126	44444	CHIP	305	
	2368	JE	2	35600	1715	1182	42834	CHIP	305	
	1200	JE	6	31640	1543	1048	38293	NORAN	305	
	767	JE	8	30860	1456	1021	36706	KYLE	305	
	1471	JE	5	27780	1493	1073	36573	GIGLI	305	
F.D.B. HOLSTEINS	3740	HO	3	39610	1334	1228	39561	ATWOOD	305	
	3727	HO	3	32650	1599	1061	39447	WOLFPACK	305	
	3265	HO	5	34990	1459	1165	39190		305	
	3789	HO	2	35950	1423	1088	38452	LANCE	305	
	1150	HO	4	34480	1467	1001	37880	ALEXANDER	305	
F.D.B. JERSEYS	1980	JE	3	31170	1454	1131	37617	T FRED	305	
	1564	JE	4	23230	1692	818	35724		305	
	2297	JE	2	28060	1368	1010	34567	V STAR	305	
	1897	JE	4	27210	1393	951	34165	GIG	305	
	1594	JE	4	27260	1306	967	33176	TBONE	305	
FARIA DAIRY #1	8142	HO	3	32600	1207	1054	34301	REALITY-RED	305	
	7100	HO	4	32630	1190	1015	33795	DENALI	305	
	7614	HO	4	28080	1299	931	33080	ORLANDO	305	
	6670	HO	5	29650	1167	960	32104	LARIAT	303	
	6898	HO	4	31410	1109	962	31944	KIRBY	305	

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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
FARIA DAIRY #3	7930	HO	3	30590	1384	1034	35784	TARTAN	305	
	7968	HO	3	33810	1226	965	34267	POTTER	305	
	8559	HO	3	34270	1171	1032	34214	ALCHEMY *RC	305	
	8092	HO	3	32670	1124	1052	33234	PLUTO	305	
	23	HO	2	33020	1147	982	33114	SURFACE	305	
FARIA GUERNSEYS	703	GU	2	19690	931	642	23374	DYNASTY	305	
	718	GU	1	19820	908	632	23043	SUPERMAN	305	
	717	GU	1	17540	944	651	22908	KRINGLE	305	
	670	GU	4	17410	937	617	22516	CRUNCH	305	
	721	GU	1	17490	860	618	21553	NATION	305	
FRANK CHAVES & SONS	66	HO	4	32720	1209	1026	34154	SKYLAR*RC	305	
	930	HO	2	33300	1122	1048	33384	DAVIS	305	
	209	HO	3	32160	1066	1001	31929	SIMOIS	305	
	703	HO	2	30900	1095	980	31733	LIGHTNING	305	
	795	HO	2	30590	1136	886	31448	BUILDING	305	
FRANK J. BORGES DAIRY	607	HO	3	33040	1548	1064	38937	RUSSELL	305	202
	9937	HO	2	36720	1376	1192	38886	LAUTAMIC	305	202
	11488	HO	3	33800	1496	1109	38854	POSTMA	305	202
	8742	XX	4	36820	1419	1110	38852	TALEBO	305	174
	40073	HO	3	39550	1358	1094	38833		305	202
FRANK N ROCHA DAIRY	3512	HO	3	32705	1439	1078	37488	JULY	305	
	4860	HO	2	34686	1323	1119	36807	HISTORY	305	
	3625	HO	3	35638	1259	1098	36033	TRIGGER	305	
	8604	HO	6	34628	1263	1091	35748	KADE	305	
	2092	HO	4	35344	1246	1077	35602	SENTRY	2945	
FRANK TEICHEIRA & SON	312	HO	2	34140	1224		34612		305	
	495	HO	4	30470	1230	938	33021	MASSIVE	305	
	372	HO	2	30420	1134	921	31632		295	
	653	HO	3	27500	1159	938	31130	FTLAMBO	305	
	220	HO	2	26940	1211	852	30967	SPONGEBOB	302	
G & H DAIRY	10023	HO	6	28896	1074	876	29820	PRONTO	305	



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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
GAWN ORGANIC DAIRY	246	HO	4	28969	1002	828	28470	FDB181	305	
	278	HO	4	25715	985	789	27011	COLEH	305	
	255	HO	5	26507	908	783	26139	FDB181	305	
HILLTOP HOLSTEINS LLC	1184	HO	3	39844	1235	1184	37589	STACEY	305	
	1678	HO	3	35198	1352	1124	37384	SHOUT	305	
	8508	HO	6	35912	1297	1065	36354	REECE	305	
	9509	HO	5	34161	1289	1121	36216	ALTABONJOVI	305	
	1078	HO	4	30223	1420	1020	36061	AMICUS	305	
J & M DAIRY	142	HO	4	26140	1562	886	35509		305	
	89	HO	3	32320	1206	1076	34364		280	
	38	HO	3	32130	1160	1091	33820		305	
	278	HO	3	24500	1393	951	33278		305	
	20	HO	3	27930	1235	937	32248		305	
J A MACHADO DAIRY FARMS	6787	HO	3	37459	1213	1237	37060	GAFFNEY	299	
	8522	HO	2	34332	1164	1105	34438	LERO	305	
	8501	HO	2	32067	1188	1058	33745		305	
	26059	HO	3	34142	1141	1055	33663	BROOK	305	
	3993	HO	4	32231	1212	993	33582	COLE	305	
KAEHLER DAIRY	416	HO	4	32277	1333	1033	35563	TWINS	305	
	837	HO	3	33566	1262	1004	34723	PICARDUS	305	
	749	HO	4	30757	1332	955	34484	GAMETIME	305	
	266	HO	5	33562	1278	930	34331		305	
	508	HO	4	33160	1206	1017	33957	STRATUSPHERE	305	
KISST DAIRY	6623	HO	3	38290	1580	1225	42292	BOWMAN	305	
	6779	HO	3	40850	1307	1200	39404	CONTRAST	305	
	773	HO	2	37620	1274	1228	38133	GAFFNEY	305	
	6787	HO	3	39380	1272	1146	38059	ABERLIN	305	
	6210	HO	3	37600	1325	1067	37563	JETT AIR	298	
KOOLHAAS DAIRY	296	HO	4	33355	1400	1018	36649		305	
	4341	HO	3	31697	1431	995	36417	JUNCTION	305	
	4328	HO	3	36091	1271	1054	35961	JAYTON	305	
	3002	HO	6	33714	1262	1071	35314	PROCTOR	305	
	4062	HO	4	30028	1322	1011	34605	BOUNTY	305	

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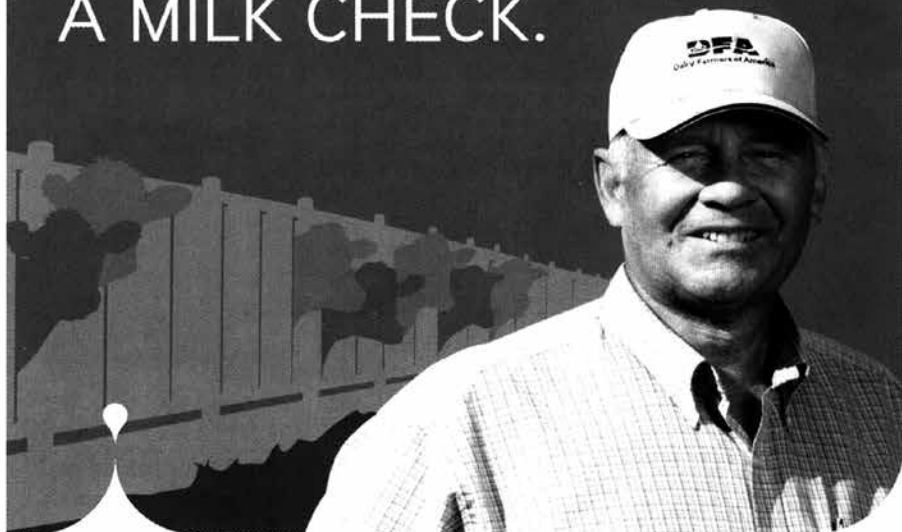
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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
KOORYMAN AND SON	611	HO	4	35880	1548	3087	39569	DOVER	305	
	816	HO	3	32370	1568	2905	38829	MCCORMICK	305	
	586	HO	3	33040	1447	2904	37158	SOLSTICE	305	
	350	HO	4	35540	1326	3142	37034	ELIAS	305	
	435	HO	2	36010	1302	3156	36776	DOVER	305	
LIMA RANCH	8986	HO	3	39450	1533	1224	42055	BOLIVER	305	
	10638	HO	2	35280	1507	1163	39891	GARMAN	305	
	8190	HO	5	34860	1477	1217	39776	JUNCTION	305	43
	8672	HO	3	38670	1376	1139	39121	MORRELL	305	
	8258	HO	4	36880	1431	1119	39096		305	
MACHADO DAIRY FARMS	3903	HO	5	40068	1348	1223	39503	TRES	305	
	5842	HO	4	38518	1377	1183	39135	PATCH	305	
	11053	XD	2	39664	1295	1258	38960	ZAYD	305	233
	7504	HO	3	40031	1301	1229	38905	RIMOUSKI	305	
	7010	HO	3	34897	1432	1161	38687	MANIFOLD	305	
MANUEL BORGES DAIRY	366	HO	7	36201	1179	1080	34959	MAST	305	
	382	HO	7	30811	1313	1020	34776	BANKER	305	
	30020	HO	2	31896	1242	1030	34199	COLDSPRING	297	
	1031	HO	4	27967	1369	884	33623	HATLEY	305	
	1085	HO	3	30155	1231	993	33259		305	
MERTENS DAIRY	1387	HO	4	34626	1188	1077	34616	TENORIO	305	
	2604	HO	2	34368	1141	1133	34367	MARVELOUS	305	
	1004	HO	3	33164	1194	1085	34354	S ROSS	305	
	1321	HO	2	32728	1156	1098	33824	RANNESLOV	305	
	146	HO	5	33041	1136	1084	33526	DANDI	305	
MULAS FAMILY DAIRY	12872	HO	3	29678	1067	961	30641	TERIFIC	305	
	1482	HO	2	29006	1003	965	29619	DAY	305	
	13620	HO	2	30130	992	893	29193	AFLAC	305	
	12784	HO	3	28633	1011	880	28925	SNOOPY	305	
	1402	HO	3	29780	975	900	28922	RICHMAN	305	
NELES & JOHNSON	4585	HO	4	40350	1251	1226	38713	PETE	305	
	5234	HO	3	36020	1264	1066	36249	LAYNE	305	
	4868	HO	4	33640	1340	991	35885	BRASHEAR	305	
	5019	HO	3	37140	1213	1036	35727	GABOR	305	
	4851	HO	4	34330	1290	989	35448	SHAMELESS	305	

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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
NEW HOPE DAIRY	9060	HO	4	36156	1257	1131	36422	MORRELL	305	
	9	HO	3	32128	1329	1016	35328	DOVER	305	
	222	HO	2	33179	1250	1023	34608	INGENIOUS	305	
	9422	HO	3	34815	1211	1007	34406	DENETHOR	305	
	9713	HO	3	35790	1155	1022	34042	GRANDMASTER	305	
NISSEN DAIRY INC.	254	HO	5	32650	1225	992	34080	STRAUSS	305	
	300	HO	4	31890	1193	994	33432		305	
	867	HO	4	28350	1301	903	32981	CABRERA	305	
	467	HO	6	30990	1157	985	32603	JUNIPER	305	
	83	HO	2	32040	1086	1016	32262	DIGGER	305	
ORNELLAS DAIRY #1	1582	HO	3	30330	1320	938	34141	MOM BEAU	305	305
	1552	HO	3	32910	1180	993	33589	9082	305	305
	1546	HO	3	29160	1264	917	32873	CLASSIC-RED	305	305
	1969	HO	2	29800	1168	913	31809	9083	305	305
	2061	XX	2	26750	1261	865	31651	9077	305	305
ORNELLAS DAIRY #2	180	XX	3	27770	1146	998	31506	9075	300	168
	1127	BS	3	26810	1117	976	30650	DALLY	305	178
	4659	HO	3	30480	1051	929	30638	CALVIN	305	254
	900	HO	4	28910	1028	925	29796	ALTAMOZART	305	159
	4672	HO	2	29130	1020	864	29301	MANITOBA	305	227
PACHECO DAIRY	438	HO	2	29370	996	898	29327		305	
	487	HO	1	32580	883	911	29012		305	
	200	HO	1	24750	851	748	24799		305	
	94	HO	7	19520	996	705	24639		305	
	4	HO	1	26610	744	827	24621		300	
PEREIRA DAIRY	270	HO	3	34740	1365	995	36599	BUTZE	305	
	328	HO	3	32300	1282	983	34635	FARSANO	305	
	160	HO	2	31660	1268	985	34259	STANLEYCUP	305	
	4	HO	3	31310	1306	918	34128		284	
	448	HO	2	30870	1248	1022	34023	SNOWDAY	305	
PIRES DAIRY	181	HO	3	26800	1110	829	29439		305	
	563	HO	4	29450	1003	879	29299	CBBF	305	
	432	HO	2	29630	1008	837	29104		305	
	198	HO	3	29040	952	937	28946		305	
	254	HO	3	27560	1045	814	28731		305	

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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
POSTMA DAIRY	1934	HO	3	38719	1322	1084	37633		302	
	1716	HO	3	34427	1303	1044	35848	CECIL-P	305	
	257	HO	4	31345	1386	1003	35774	ADVICE	305	
	119	HO	4	31806	1344	1040	35638	ASTROLGER	305	
	1193	HO	5	33816	1293	1041	35517		305	
PRINS DAIRY	1061	HO	3	32060	1680	2809	39663		305	
	1321	HO	4	33890	1426	3057	37895	ALTAOMAX	305	
	213	HO	3	36600	1350	3221	37827	ALTACONCERT	305	
	1116	HO	4	35500	1365	3129	37464		305	
	262	HO	4	36320	1294	3212	37041	ALTADAGGER	305	
QUARESMA DAIRY	6834	HO	3	31610	1493	1029	37491	INGENIOUS	305	199
	10977	HO	4	32260	1316	1027	35396	DEX	305	116
	7424	HO	6	32880	1279	1044	35249	B50681	305	181
	11970	HO	4	31970	1305	1021	35114	FATE	305	157
	13580	HO	3	27600	1492	871	34966	SHAMROCK	305	189
QUARESMA DAIRY JERSEYS	601	JE	3	23930	1189	928	30275	ACTION	305	
	561	JE	3	24610	1128	930	29723	VALENTINO	305	19
	857	JE	2	24390	1168	859	29630	ECLIPES-P	305	
	3824	JE	5	23850	1143	914	29547	GRIFFEN	305	
	460	XX	3	24040	1149	872	29368	GRIFFEN	305	
RIVER OAK DAIRY	5112	HO	4	32250	1399	1107	37076	DUNDEE	305	
	5359	XX	5	37180	1216	1157	36698	TIPOLI	305	
	43	XX	6	32010	1272	1145	35642	JESTHER	305	
	5801	XX	3	31650	1284	1056	35003	TIPOLI	301	
	1017	HO	4	34220	1150	1160	34898	PATCH	305	
SILVA BROS INC #1	966	XX	2	30480	1270	2640	33140		305	
	5298	HO	4	35350	1043	2980	32137		305	
	158	HO	6	27320	1196	2496	31391		305	
	7291	JE	3	24990	1234	2385	31298		305	
	767	HO	3	34100	977	2962	31233		305	
SILVA BROS INC #2	88	HO	2	36310	1073	3211	34096		305	
	9992	HO	3	33810	1068	2910	32098		305	
	9220	HO	4	29300	1166	2652	31937		305	
	9733	HO	2	31290	1097	2760	31624		294	
	9918	HO	3	31280	1110	2700	31372		305	

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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
SILVA BROTHERS	1632	HO	2	28420	1065	931	30161	GARNETT	305	
	1526	HO	3	29800	1028	930	30125	SLY	305	
	1493	HO	2	29210	1016	882	29412	GOLDRUSH	305	
	1520	HO	2	26470	1057	889	29100	EIGHT	286	
	739	HO	4	26190	1089	837	29028	LO	305	
SITED OAK DAIRY	116	HO	4	31480	1302	972	34542	ELLROD	305	
	155	HO	3	29960	1214	1021	33278	DOVER	305	
	76	HO	4	30670	1147	911	31806	GABOR	305	
	109	HO	5	27950	1142	872	30556		305	
	33	HO	3	30030	1078	850	30240		305	
STAAS FARMS INC	13302	XX	2	30590	1445	990	36240	UNRIVELED	305	
	340	JE	4	28120	1455	1021	35797		305	
	12120	JE	4	27850	1304	1070	34126	VISIONARY	305	
	533	XX	2	27020	1366	983	33996	MASTERS	305	28
	12460	JE	3	26600	1342	1035	33943	DOMINICAN	305	
STUYT DAIRY	3267	HO	3	32520	1165	1031	33338	KAMPMAN	305	
	3187	HO	3	30650	1133	1002	32144		305	
	3314	HO	3	31255	1110	981	31829	HARVEY	305	
	3587	HO	2	30413	1065	989	31049	FREDDIE	305	
	3625	HO	2	28306	1142	913	30880	DOMINGO	305	
TD6 DAIRY	13678	HO	4	30640	1144	934	31932	BO	302	
	14070	HO	2	25620	1185	834	30062	REALITY-RED	305	
	3562	HO	2	12320	439	363	12472	KYROS	129	
TONY BORBA DAIRY	525	HO	2	33820	1115	965	32832	BUZZ	305	
	1841	HO	2	32030	1027	849	30226	ALTAMETEO	305	
	72	HO	5	33640	838	900	28692	DOLMAN	305	
	365	HO	2	27190	947	908	28056	SPARROW	297	
	1895	HO	2	25660	1024	806	27777	SHAN	3055	
TRIPLE J DAIRY	9276	HO	4	31360	1188	971	33019		305	
	39	HO	2	33410	1047	974	31886		305	
	321	HO	5	28730	1066	1051	31187		305	
	26	HO	3	27730	1061	931	29883		305	
	579	HO	3	28760	994	993	29824		305	



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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
TURNER ROAD DAIRY	16953	HO	4	35600	1429	1147	38728	BUCKEYE	282	
	17664	HO	3	38620	1357	1094	38161	ALTAVALON	305	300
	1478	HO	3	35617	1285	1055	36026	SAVAGE	305	
	1262	HO	4	34170	1301	1040	35926	LEN	305	
	1252	HO	4	37340	1192	1081	35862		305	
VAN EXEL HOLSTEINS	7606	HO	3	51400	1477	1393	46522	BRONCO	305	305
	16882	HO	4	42220	1592	1213	43641	ALTAESQUIRE	305	305
	656	HO	4	40658	1509	1223	41850	PLANET	305	305
	17809	HO	3	42270	1379	1213	40899	ALTAIRNET	305	305
	17885	HO	3	41217	1393	1208	40311	MAXUM	305	296
VAN EXEL JERSEYS	2498	JE	4	33090	1748	1136	42259	VALENTINO	305	165
	2393	JE	4	31650	1586	1147	39752	GOLD ACTION	305	305
	2693	JE	3	31810	1532	1106	38728	VINCENT	305	304
	2666	JE	3	31260	1518	1107	38393	VENERABLE	305	305
	332	JE	1	40560	1249	1216	38242	JEKYLL	305	185
VAN STEYN DAIRY	756	HO	5	32090	1890	945	42151	STRATEGIST	303	
	914	HO	5	33510	1509	1024	38282		305	
	461	HO	3	34400	1466	1017	37963	SHAMAN	285	
	3364	HO	3	32140	1568	923	37830	CHASE	305	
	400	HO	2	34830	1340	1160	37558	ARMITAGE	268	
VAN WARMERDAM DAIRY	872	HO	4	39260	1455	1211	40629	LOGISTIC	305	
	2221	HO	3	36794	1434	1238	39877	DOVER	305	
	2223	HO	3	35828	1479	1183	39765	DOVER	305	
	887	HO	5	34741	1498	1175	39653	GUSTO	305	
	1827	HO	3	34495	1453	1128	38589		305	
VANDERSCHAAF DAIRY	20627	HO	5	36192	1351	1048	37024	BINKY	305	96
	27312	HO	3	35958	1293	1109	36674	MOSCOW	305	95
	26019	HO	3	34602	1311	1100	36465	WATSON	305	48
	25887	HO	3	32887	1363	1039	36189	GARMAN	305	95
	30064	HO	3	38176	1162	1188	36167	GABOR	305	43
WAGNER DAIRY	11	HO	4	33883	1448	1089	38030	GENEVA	305	
	856	HO	4	37929	1284	1114	37143	LEGEND	305	
	2137	HO	3	33995	1306	1096	36194	DOVER	305	
	1459	HO	3	34838	1265	1052	35513	LEGEND	305	



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2017-2018 HIGH COWS/HEIFERS (continued)

TOP 5 WITHIN EACH HERD BY ECM/FCM

HERD NAME	COW NO.	BREED	LAC NO.	305 MILK	305 FAT	305 P/S	305 ECM	SIRE NAME	DAYS IN MILK	DAYS 3X
WOODS DAIRY	1592	HO	4	30910	1282	948	33914	STANDOUT	305	
	1759	HO	3	29460	1011	941	29877	COLDSPRING	305	
	1810	HO	3	31620	973	883	29651	ADMIRAL	305	
	1803	HO	3	31430	946	902	29384	RICECREST	305	
	1774	HO	3	27680	1022	918	29263	COLDSPRING	305	



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TOP 10 HERDS BY AVE SCC

HERD NAME	BREED	COWS IN HERD	AVG SCC	% LOW SCS	% MED SCS	% HIGH SCS	TEST 365
NELES & JOHNSON	HO	389	66	97	2	2	12
DUTRA DAIRY	HO	1796	116	91	6	2	12
DESNAYER DAIRY	HO	1866	138	92	6	2	13
HILLTOP HOLSTEINS LLC	HO	1872	143	90	8	2	12
DA SILVA DAIRY	HO	2778	150	89	9	2	12
ED MACHADO DAIRY	HO	2913	154	91	7	2	12
VANDERSCHAAF DAIRY	HO	5909	156	88	10	3	12
SILVA BROTHERS	HO	503	158	90	7	2	10
DA SILVA DAIRY JERSEYS	XX	578	161	89	10	2	12
KOOLHAAS DAIRY	HO	2012	161	88	9	3	12
KOORMAN AND SON	HO	553	162	89	9	3	12

TOP REPRODUCTION HERDS

TOP 10 HERDS BY DAYS OPEN

HERD NAME	BREED	COWS IN HERD	DAY OPEN	DIM 1ST SERV	SERV/ CONC	CLVG INT	TEST 365
NEW HOPE DAIRY	HO	1405	99	66	1.90	12.1	12
MACHADO DAIRY FARMS	XX	5188	100	66	2.10	12.4	12
GAWN ORGANIC DAIRY	XX	409	101	71	2.10	12.7	12
NISSEN DAIRY INC.	HO	624	106	68	2.40	12.6	13
ED MACHADO DAIRY	HO	2913	107	72	1.98	12.9	12
BWC WESTSTEYN DAIRY LP	HO	2729	108	69	2.40	12.7	12
DESNAYER DAIRY	HO	1866	108	68	2.12	12.8	13
QUARESMA DAIRY JERSEYS	JE	430	108	68	2.74	12.7	13
DA SILVA DAIRY JERSEYS	XX	578	110	80	1.70	12.7	12
NELES & JOHNSON	HO	389	110	81	1.88	12.7	12

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TOP GENETIC HOLSTEIN HERDS

TOP 10 HOLSTEIN HERDS BY PTAS

HERD NAME	BREED	COWS IN HERD	COW PTAS ALL	COW PTAS LACT1	COW PTAS LACT 2+	COW PTAS LACT 3+	%USABLE ID	TEST 365
HILLTOP HOLSTEINS LLC	HO	1872	278	376	303	161	100	12
ED MACHADO DAIRY	HO	2913	265	355	285	185	96	12
VAN WARMERDAM DAIRY	HO	1262	248	318	243	182	92	12
NEW HOPE DAIRY	HO	1405	228	311	210	157	97	12
VANDERSCHAAF DAIRY	HO	5909	223	280	213	146	97	12
DOORNENBAL DAIRY	HO	1622	217	328	243	160	95	11
BLUE STAR DAIRY	HO	953	212	274	216	156	76	12
BWC WESTSTEYN DAIRY LP	HO	2729	210	241	238	151	92	12
LIMA RANCH	HO	1822	208	250	203	176	97	12
DE WIT DAIRY	HO	1762	203	229	212	175	95	12

TOP GENETIC ALL OTHER BREED HERDS

TOP 10 ALL OTHER BREED HERDS BY PTAS

HERD NAME	BREED	COWS IN HERD	COW PTAS ALL	COW PTAS LACT1	COW PTAS LACT 2+	COW PTAS LACT 3+	%USABLE ID	TEST 365
MACHADO DAIRY FARMS	XX	5188	308	345	334	259	99	12
RIVER OAK DAIRY	XX	1543	229	288	206	221	62	12
STAAS FARMS INC	JE	1314	201	224	218	162	91	13
BERGWERFF FARM INC	XX	708	180	199	188	156	89	9
F.D.B. CROSSBREDS	JE	173	166	246	155	153	100	9
DA SILVA DAIRY JERSEYS	XX	578	152	197	123	104	66	12
CRANE DAIRY	XX	325	91	122	99	63	97	12
VAN EXEL JERSEYS	JE	480	64	107	42	22	99	12
FARIA GUERNSEYS	GU	11	56	79	26	57	100	10
F.D.B. JERSEYS	JE	427	44	65	36	42	100	9

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TOP 40 HOLSTEIN COWS

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	PRO/SNF	SIRE NAME
QUARESMA DAIRY	1632	HO	11	Y	325310	11183	9180	ITO
VAN WARMERDAM DAIRY	8137	HO	10		319474	11974	9775	FALCON
DUTRA DAIRY	1804	HO	10		313283	12019	9781	COMET
DUTRA DAIRY	132	HO	5		311364	12989	9913	LACOBRA
MANUEL BORGES DAIRY	366	HO	8		294928	9939	9134	MAST
VAN EXEL HOLSTEINS	12	HO	7	Y	294680	9293	8713	ADVENT-RED
J A MACHADO DAIRY FARMS	739	HO	12		284496	9151	8533	
QUARESMA DAIRY	4984	HO	9	Y	282450	9780	8383	ROXY
DUTRA DAIRY	571	HO	3		282128	10043	8598	
DUTRA DAIRY	1547	HO	8		281081	11237	8694	STUART
DE WIT DAIRY	2915	HO	8		280870	10255	8751	O MAN
HILLTOP HOLSTEINS LLC	15680	HO	9		278834	9916	8490	LIN
DUTRA DAIRY	332	HO	3		277949	10101	8207	
DE WIT DAIRY	2933	HO	7	Y	277180	9727	8377	REECE
DA SILVA DAIRY	3914	HO	11		272607	10679	8723	O MAN
VAN EXEL HOLSTEINS	14969	HO	8	Y	271352	8059	7741	LOU
POSTMA DAIRY	1763	HO	6	Y	268625	9953	8481	LUCILIUS
DOORNENBAL DAIRY	2403	HO	9		267648	8307	7861	MISSION
QUARESMA DAIRY	5650	HO	8	Y	267050	10936	8707	RORY 50201
MANUEL BORGES DAIRY	1079	HO	10		266463	8885	8378	SPY
POSTMA DAIRY	1510	HO	10	Y	266085	11092	8914	PEPPER
VAN WARMERDAM DAIRY	9290	HO	9		265684	10993	8700	BINKY
DUTRA DAIRY	1591	HO	6		265390	10390	8516	ELROY
VAN EXEL HOLSTEINS	15074	HO	7	Y	264686	10199	8197	O MAN
VANDERSCHAAF DAIRY	16225	HO	10	Y	262356	9169	7759	TOUCHDOWN
POSTMA DAIRY	2289	HO	11	Y	261981	9918	8568	
MANUEL BORGES DAIRY	286	HO	9		261187	10172	8294	MANARO
DOORNENBAL DAIRY	880	HO	8		261160	9557	7963	BRASS-KING
PRINS DAIRY	540	HO	8		260000	9972	22707	PRETZEL
BWC WESTSTEYN DAIRY LP16072		HO	10		259986	8189	7902	TAYLOR
DUTRA DAIRY	797	HO	4		259561	10442	8247	
POSTMA DAIRY	1327	HO	8	Y	259513	10237	8772	CONQUEST
FRANK TEICHEIRA & SONS	628	HO	8		259140	8558	17157	HOSEA
MANUEL BORGES DAIRY	414	HO	8		257871	9886	8402	BRITT
BWC WESTSTEYN DAIRY LP16336		HO	9		257854	9047	7786	CHUCK*RC
MANUEL BORGES DAIRY	981	HO	8		257319	9022	8207	MAYTER
J A MACHADO DAIRY FARMS	315	HO	7		256723	7738	7079	TRES
DOUBLE G DAIRY	1758	HO	9		256580	10537	7981	
HILLTOP HOLSTEINS LLC	376	HO	8		256168	7995	8106	FABULOUS
DA SILVA DAIRY	6410	HO	9		255875	8907	7836	FORBIDDEN

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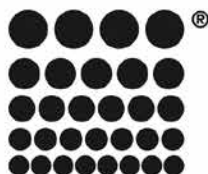
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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
ART SILVA DAIRY	169	HO	7		234450	8174	7213	ALTAAMOK
	892	HO	8		230300	8109	7169	
	673	HO	6		189400	6610	5809	ALTATORCH
	580	HO	6		182440	6482	5402	ALTAMARSTON
	541	HO	6		181710	7953	6002	ALTAMARSTON
B & J DAIRY	5946	HO	5		167286	5925	5280	DETECTIVE
	2843	HO	12		162241	5689	5209	PERCIVAL
	2923	HO	7		151695	5905	4790	
	2601	HO	8		151209	5283	4659	
	5110	HO	8		148855	5459	4495	DRAMATIC
BARTELINK DAIRY	1891	HO	7		208980	7610	6655	
	1834	HO	7		208800	7631	6455	
	1961	HO	7		201600	8332	6701	
	2243	HO	6		190520	6064	5875	ALTAMINISTER
	2505	HO	6		170760	6193	5741	
BERGWERFF FARM INC	5801	HO	8		216729	7881	6562	RAFIST
	729	HO	7		199453	6763	6137	TRES
	5558	HO	10		199229	8196	6988	
	710	HO	7		197982	6266	6239	POP
	794	HO	5		174495	5616	5298	TRES
BETTENCOURT & BERGE	4	HO	8		180220	7504	5963	
	6953	HO	6		157130	5682	4968	
	6052	HO	5		134280	4239	3925	
	6081	HO	6		130850	4528	4010	
	6097	HO	6		121030	4209	3951	
BLUE STAR DAIRY	844	HO	7		164276	6728	5317	
	1247	HO	5		164043	5485	5223	
	1389	HO	5		163261	6002	5349	BRONCO
	1104	HO	6		163051	6011	4861	MOSCOW
	823	HO	6		162520	6316	5134	JACKSON
BROOKS & ERMAN RANCH	2768	HO	4		162000	7316	5095	MAXWELL
	2839	HO	5		157,000	5,756	4,747	MARCELLUS
	3073	HO	4	Y	133,480	4,692	4,066	KRAMER
	3004	HO	4	Y	127690	5121	3987	PALERMO
	3048	HO	4		106840	4165	3360	CANON
BWC WESTSTEYN DAIRY LP	16072	HO	10		259986	8189	7902	TAYLOR
	16336	HO	9		257854	9047	7786	CHUCK*RC
	15034	HO	12		248510	10154	7802	CRAYOLA
	9815	HO	12		241164	9628	7547	O MAN
	15897	HO	11		235176	8280	7092	READY

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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
BYLSMA DAIRY	614	HO	8		231010	9564	6715	REFLECTOR
	31	HO	7		211060	6696	6471	
	172	HO	6		191430	6008	5792	JUNIPER
	262	HO	7		173790	6214	5918	MANGO
	374	HO	7		170780	5902	5408	MIDSTAR
CAL-DENIER DAIRY	1043	HO	7		242000	7586	7351	JASPER
	487	HO	8		235280	7724	7271	MR MOTEL
	1132	HO	7		233530	7044	6621	LAWN BOY P-RED
	89	HO	8		230980	7667	7324	
	3416	HO	8		230280	8724	7424	MARION
CASTELANELLI BROS	3009	HO	9		220985	8646	7442	FORTUNATO
	4131	HO	7		215884	7492	7327	
	9004	HO	8		207032	9182	7082	ACTIVIST
	5064	HO	7		206968	6629	6112	FREDERICK
	8187	HO	8		200833	6528	6259	ALTABAILIFF
CRANE DAIRY	15754	HO	7	Y	225266	7428	6775	ALLMILK
	15544	HO	6	Y	224715	7003	6461	ALTAJAYZ
	15228	HO	7	Y	224273	7040	6364	DAMION
	15406	HO	6	Y	218131	8532	6586	ALTAALLY
	125	HO	9	Y	217731	8191	7001	
CREEKSIDE DAIRY	122	HO	8	Y	240701	8115	6975	JAMMER
	411	HO	7	Y	236863	7882	7010	FABRIZIO
	47	HO	7	Y	228849	8024	6696	JAMMER
	983	HO	7	Y	223836	7970	6482	GARRISON
	899	HO	8	Y	214140	7820	5961	TREVOR
DA SILVA DAIRY	3914	HO	11		272607	10679	8723	O MAN
	6410	HO	9		255875	8907	7836	FORBIDDEN
	6264	HO	8		240163	8770	7533	FORBIDDEN
	5802	HO	7		240056	7675	6964	ACTIVIST
	6314	HO	8		235820	8450	7385	MORGAN
DE WIT DAIRY	2915	HO	8		280870	10255	8751	O MAN
	2933	HO	7	Y	277180	9727	8377	REECE
	3210	HO	7	Y	238270	8985	7476	MALIN
	3726	HO	7		228730	7890	6932	NILES
	3960	HO	7		227610	8525	7219	DIE-HARD
DESNAYER DAIRY	8652	HO	6		226320	7012	6588	PLANET
	9046	HO	6		208170	7304	6784	PLANET
	9406	HO	6		204650	7226	5848	JAKE
	8902	HO	6		204460	6777	6306	RAMZI
	10005	HO	5		192820	6934	5668	DOMINGO



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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
DEUEL VOCATIONAL IN	2610	HO	6		196130	6343	16350	FORMULA
	2087	HO	6		190190	6915	16707	SIR
	7975	HO	7		166960	6535	15063	PONTIAC
	2760	HO	7		164430	5396	14613	GRANGER
	8031	HO	5		162270	5315	14088	
DOORNENBAL DAIRY	2403	HO	9		267648	8307	7861	MISSION
	880	HO	8		261160	9557	7963	BRASS-KING
	1609	HO	3		254626	7912	8079	MAURY
	16	HO	3		251314	8668	8090	INGENIOUS
	2786	HO	8		250638	8667	7896	
DOUBLE G DAIRY	1758	HO	9		256580	10537	7981	
	2261	HO	8	Y	237120	8859	7401	BLITZ
	2374	HO	7		223320	8799	6939	BOONE
	2870	HO	5		194200	6887	5385	SAINT
	2620	HO	6	Y	190600	6766	5597	
DS FARMS	337	HO	7		245430	8018	7730	NATHAN
	579	HO	5		213740	8351	6650	KAMIKAZE
	506	HO	5		198590	7485	6484	ALTON
	759	HO	4		192770	7201	5850	GARRETT
	599	HO	6		190650	6595	5836	ALTABAYSIDE
DUTRA DAIRY	1804	HO	10		313283	12019	9781	COMET
	132	HO	5		311364	12989	9913	LACOBRA
	571	HO	3		282128	10043	8598	
	1547	HO	8		281081	11237	8694	STUART
	332	HO	3		277949	10101	8207	
ED MACHADO DAIRY	2111	HO	7		224850	8657	5776	ALTAOLIVER
	386	HO	6		222180	7476	5875	PENN
	2813	HO	6		212470	8226	6115	ACTIVIST
	608	HO	7		206930	9415	4640	HOSEA
	2459	HO	6		206680	8216	4625	ZIMMER
F.D.B. HOLSTEINS	3150	HO	6		189680	6377	5389	GIVENCHY
	3144	HO	5		187010	6801	5583	ALEXANDER
	14596	HO	5		184260	7151	5943	ATWOOD
	208	HO	5		175410	6790	5475	OAK CREEK
	3416	HO	5		160510	5838	4811	GIVENCHY
FARIA DAIRY #1	4887	HO	7		213670	7822	6395	ZARED
	6048	HO	6		205090	7449	6510	APACHE
	17739	HO	6		200640	7703	6958	ALTACALYPSO
	6085	HO	5		197720	6967	6246	ACTIVIST
	6301	HO	7		186120	6395	6012	NIFTY

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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
FARIA DAIRY #3	17187	HO	6		255760	9101	8422	ALTABOSS
	5203	HO	7		223020	7840	6803	STORMATIC
	5903	HO	7		207810	7665	6678	AIRRAID
	329	HO	5		195540	7033	6127	
	643	HO	4		188670	6417	6366	MARION
FRANK CHAVES & SONS	192	HO	9		209960	7292	6532	M42808
	70	HO	10		205990	6886	6301	
	566	HO	7		199860	6947	6174	FARRIEA
	271	HO	8		193690	6648	6103	KRAMER
	316	HO	6		193060	6087	5940	
FRANK J. BORGES DAIRY	6741	HO	6	Y	213950	9041	6947	SR
	9993	HO	4	Y	178470	6010	5262	C SALE
	234	HO	5	Y	176500	6689	5204	MICHAEL
	186	HO	5	Y	167240	6181	4763	HERITAG
	175	HO	5	Y	162670	6612	4521	HERITAG
FRANK N. ROCHA DAIRY	248	HO	8		238284	9574	7715	JUNGLE JIM
	7169	HO	10		225647	7695	6970	BANKER
	1182	HO	8		214289	7485	6782	BANKER
	8028	HO	6		207630	6885	6380	MALIN
	7626	HO	8		207432	8036	6334	CLASSIC
FRANK TEICHEIRA & SONS	628	HO	8		259140	8558	17157	HOSEA
	605	HO	8		201050	8641	14949	FROSTY
	275	HO	5		171670	5901	11994	STEVE
	7271	HO	6		158920	5446	10777	RITZ 50679
	665	HO	7		155750	5319	9329	
G & H DAIRY	10023	HO	6		161770	5414	4907	PRONTO
GAWN ORGANIC DAIRY	143	HO	7		164209	5753	5094	CHAMPION
	73	HO	8		162199	6797	5612	TOBY
	132	HO	8		157164	5233	4451	MAN
	133	HO	6		148381	5525	4417	
	182	HO	6		139905	4595	4104	ADDICTION-RED
HILLTOP HOLSTEINS LLC	15680	HO	9		278834	9916	8490	LIN
	376	HO	8		256168	7995	8106	FABULOUS
	7022	HO	9		254753	7733	7745	REVOLUTION
	6857	HO	8		254275	7910	7422	LOCKETT
	15313	HO	11		253034	8646	8108	



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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
J & M DAIRY	43	HO	6		175620	6321	9834	
	86	HO	6		160390	6522	9176	
	99	HO	6		159470	6531	9475	
	41	HO	6		155840	5618	9585	
	87	HO	6		153230	6133	8435	
J A MACHADO DAIRY FARMS	739	HO	12		284496	9151	8533	
	315	HO	7		256723	7738	7079	TRES
	2371	HO	11		239196	9356	7419	BOSS IRON
	803	HO	10		235435	8875	7494	
	395	HO	8		226892	7672	6789	RUBENS-RC
KAEHLER DAIRY	8109	HO	10		231103	9357	7830	REVENUE
	9203	HO	7		209682	7283	6531	REECE
	9313	HO	7		199245	6912	5771	REECE
	9270	HO	6		196206	7831	6208	X-RAY
	9804	HO	7		190742	7278	6253	
KISST DAIRY	3273	HO	6		248450	8581	7789	BUCKEYE
	3322	HO	6		230540	8430	7512	CUTLER
	3366	HO	6		229430	8979	6753	ASTRO
	3253	HO	5		214170	8535	6791	CUTLER
	3959	HO	6		205250	7046	6157	TOPELVEL
KOOLHAAS DAIRY	2088	HO	9		231481	8906	7260	
	2138	HO	8		222150	7879	6761	
	142	HO	7		212175	7874	6684	
	1502	HO	8		199787	7300	5977	
	1098	HO	8		199349	7181	6320	
KOOYMAN AND SON	49	HO	6		211630	7467	13846	ALTON
	225	HO	6		207450	7642	12396	MATSON
	809	HO	5		164560	5465	11589	GABE
	523	HO	6		158850	6759	12300	CONTROL
	154	HO	4		147940	5241	8745	GAR
LIMA RANCH	6780	HO	5		199850	7667	6242	
	6127	HO	7		198400	7058	6424	BECKETT
	6867	HO	4		194470	6847	6011	STANDOUT
	7336	HO	4	Y	184500	6258	5779	LILYMAN
	6982	HO	5		172670	6570	5198	MELODY
MACHADO DAIRY FARMS	1812	HO	7	Y	250716	8698	8487	JAMMER
	1252	HO	7	Y	211551	7084	6529	MURPHY
	669	HO	7	Y	209918	7348	6610	TECHNO
	2381	HO	8	Y	206792	7352	6760	
	4458	HO	7	Y	205652	7163	6363	MAURY

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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
MANUEL BORGES DAIRY	366	HO	8		294928	9939	9134	MAST
	1079	HO	10		266463	8885	8378	SPY
	286	HO	9		261187	10172	8294	MANARO
	414	HO	8		257871	9886	8402	BRITT
	981	HO	8		257319	9022	8207	MAYTER
MERTENS DAIRY	1305	HO	6		226050	6753	6608	SANDSTONE
	1539	HO	8		222315	8541	7552	MD3
	319	HO	8		218050	7611	6947	
	644	HO	6		215898	6608	6788	MD27
	1583	HO	7		210513	6817	6614	MD2627
MULAS FAMILY DAIRY	11569	HO	6		194497	6208	6183	B340
	11598	HO	6		184370	6212	5696	CANYON
	12068	HO	5		167360	5674	5071	DWIGHT
	11452	HO	6		160367	5969	5110	DOLAN
	11693	HO	6		157794	5744	4927	B296
NELES & JOHNSON	4585	HO	4		181540	6190	5600	PETE
	4327	HO	5		175610	6533	5082	SOCRATES
	4535	HO	5		170400	6540	5482	BOXER
	4581	HO	5		150640	4895	4472	PETE
	4789	HO	3		148180	5844	5003	BOXER
NEW HOPE DAIRY	6830	HO	7	Y	220535	7335	6718	
	6449	HO	7	Y	204656	6995	6146	TYREL
	7097	HO	7	Y	200219	6763	6534	JUNIPER
	7100	HO	7	Y	197209	6875	6030	PERCIVAL
	7526	HO	7	Y	193709	6377	5754	JAMMER
NISSEN DAIRY INC.	564	HO	8		219770	6709	14824	VIKING
	411	HO	7		199350	6740	10291	RIVER
	294	HO	5		186190	6516	8270	JAKE
	475	HO	6		179400	6800	9516	BOLIVER
	1031	HO	7		173400	5856	9901	JAMMER
ORNELLAS DAIRY #1	619	HO	5	Y	156270	5087	4655	DART
	1914	HO	7	Y	155710	6686	5100	9035
	706	HO	4	Y	150960	5435	4707	9047
	903	HO	4	Y	141820	5446	4447	9056
	897	HO	4	Y	133390	4740	4385	ANGELO
ORNELLAS DAIRY #2	4435	HO	8	Y	216600	7938	6789	9030
	1520	HO	7		195710	6599	6003	9018
	1665	HO	8	Y	195640	6954	6197	FREEBIRD
	402	HO	6		183610	6212	5215	LOCK N LOAD
	503	HO	4		165800	5460	5055	RAPIDFIRE

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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
PEREIRA DAIRY	553	HO	5		194590	6866	5747	PREDATOR
	390	HO	5		187970	6283	5258	ALTACOMPLEX
	89	HO	6		184060	7621	5744	ALTABAXTER
	309	HO	5		179950	6386	5182	ALTAXTC
	501	HO	6		175250	6766	5499	MIGUEL
PIRES DAIRY	61	HO	8		179240	5943	5768	
	370	HO	5		150590	4112	4692	
	449	HO	5		141050	3972	4271	
	563	HO	4		138630	4686	4242	CBBF
	520	HO	5		137200	4246	3923	
POSTMA DAIRY	1763	HO	6	Y	268625	9953	8481	LUCILIUS
	1510	HO	10	Y	266085	11092	8914	PEPPER
	2289	HO	11	Y	261981	9918	8568	
	1327	HO	8	Y	259513	10237	8772	CONQUEST
	2383	HO	6		249089	8743	7787	
PRINS DAIRY	540	HO	8		260000	9972	22707	PRETZEL
	1083	HO	6		244030	8389	21389	
	1213	HO	7		229100	8106	20399	ALTASPARTA
	569	HO	7		205750	8809	18718	ACTIVIST
	921	HO	8		203430	8637	17709	ALTAALLY
QUARESMA DAIRY	1632	HO	11	Y	325310	11183	9180	ITO
	4984	HO	9	Y	282450	9780	8383	ROXY
	5650	HO	8	Y	267050	10936	8707	RORY 50201
	5271	HO	8	Y	248310	9185	7431	FAMON
	6853	HO	7	Y	232750	8902	7009	FLICK 50224
RIVER OAK DAIRY	412	HO	6		208870	6906	6128	XACOBEO
	386	HO	5		166710	5290	5322	
	9579	HO	4		142710	3991	4386	XACOBEO
	1081	HO	4		132700	4310	4077	
	9565	HO	4		126080	4459	3903	XACOBEO
SILVA BROS INC #1	1560	HO	7		244070	8442	21343	
	2735	HO	6		197390	6559	17288	
	10	HO	5		191810	6259	16301	
	486	HO	7		181470	6060	15688	
	999	HO	9		177480	5833	15191	
SILVA BROS INC #2	9245	HO	9		209820	7630	18584	
	9309	HO	6		171060	5821	14752	
	9315	HO	5		158970	5168	14135	MILLION
	9274	HO	4		153340	4802	13220	
	9278	HO	6		151760	5599	13885	

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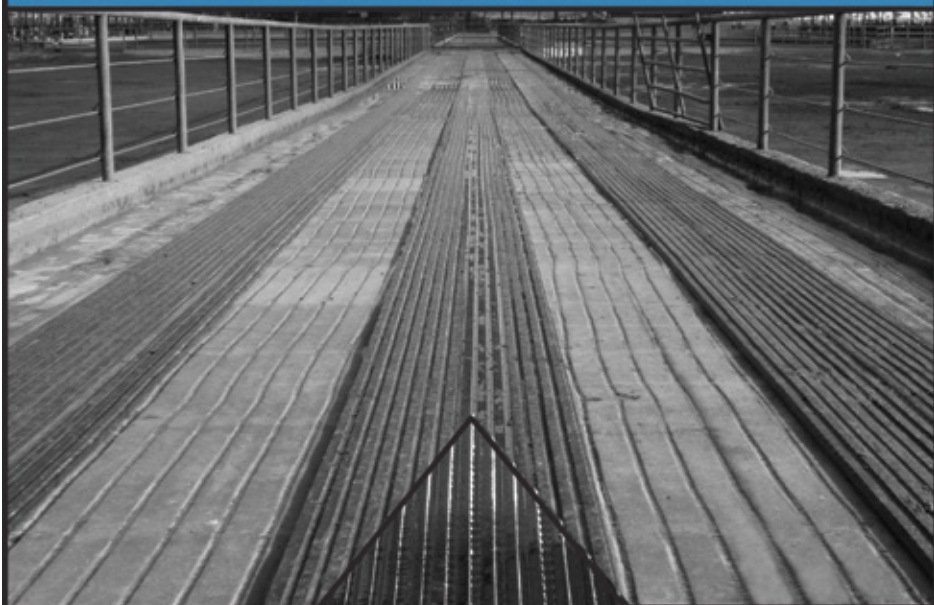
LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
SILVA BROTHERS	4370	HO	8		223350	7764	6833	
	175	HO	8		195090	7112	6009	
	2601	HO	5		159050	5758	4952	
	593	HO	6		150230	5219	4729	
	775	HO	4		143100	5029	4640	REVIVIN
SITED OAK DAIRY	116	HO	4		165730	7128	5161	ELLROD
	126	HO	6		151890	5172	4340	SW PAT
	74	HO	5		149920	5361	4462	
	20	HO	4		143820	5433	4390	MELODY
	127	HO	4		136500	5078	4189	ELLROD
STUYT DAIRY	1142	HO	6		203403	8740	6721	O MAN
	2186	HO	5		185833	6098	5471	DALE
	2204	HO	7		175784	6814	5495	DALE
	2138	HO	7		172284	5623	5385	GRAND
	1937	HO	7		169099	6776	5755	TIC TAC *TM
TRIPLE J DAIRY	46	HO	7		174370	6373	5231	
	333	HO	6		153710	5634	4866	
	56	HO	9		145250	5115	4596	
	64	HO	3		139690	4619	4207	
	220	HO	6		139650	5047	4319	
TURNER ROAD DAIRY	13967	HO	9	Y	250682	8726	7028	BUCKEYE
	15793	HO	5	Y	219345	6898	6520	TAYLOR
	15497	HO	6	Y	217359	7759	6279	ALTAARMSTEAD
	16048	HO	5	Y	207988	6681	6133	SPARTACUS
	15658	HO	6	Y	202329	6667	5986	ALEXANDERH
VAN EXEL HOLSTEINS	12	HO	7	Y	294680	9293	8713	ADVENT-RED
	14969	HO	8	Y	271352	8059	7741	LOU
	15074	HO	7	Y	264686	10199	8197	O MAN
	15656	HO	5	Y	251910	8701	7337	MODEL
	13381	HO	7	Y	239964	8691	6959	SHOTTLE
VAN WARMERDAM DAIRY	8137	HO	10		319474	11974	9775	FALCON
	9290	HO	9		265684	10993	8700	BINKY
	8786	HO	10		254109	10478	8698	
	9557	HO	7		249645	8445	7456	ALTAARMSTEAD
	9438	HO	7		247986	8631	7803	RAMOS
VANDERSCHAAF DAIRY	16225	HO	10	Y	262356	9169	7759	TOUCHDOWN
	6984	HO	9	Y	238050	8212	7147	LON
	357	HO	7	Y	234876	7055	6731	
	2886	HO	8	Y	231220	8064	7035	
	17132	HO	8	Y	230082	7383	6968	LENOX



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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 HOLSTEIN COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	P/S	SIRE NAME
WAGNER DAIRY	12449	HO	8		217599	7786	6371	REECE
	12962	HO	7		198450	7003	6156	JUNIPER
	13481	HO	7		196663	8147	6243	REECE
	13805	HO	7		185988	7546	5636	REECE
	14127	HO	6		182833	7572	5596	REECE
WOODS DAIRY	1545	HO	6		177440	5482	5057	STANDOUT
	1544	HO	6		164760	6034	5233	STANDOUT
	1564	HO	5		160660	4705	4449	MONONA
	1578	HO	5		145250	4972	4540	STANDOUT
	1632	HO	5		144870	4730	4613	STRATUS



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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS

TOP 40 ALL OTHER BREED COWS

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	PRO/SNF	SIRE NAME
POSTMA DAIRY	1677	JE	13	Y	302432	12420	10075	BELLRINGER
POSTMA DAIRY	1207	JE	3	Y	292562	11976	9453	RILEY
POSTMA DAIRY	1354	JE	12	Y	281670	10743	9393	HOOK
POSTMA DAIRY	2309	JE	8	Y	253901	11047	8848	
CRANE DAIRY	251	JE	10	Y	245923	11433	8263	REALITY
VAN EXEL JERSEYS	251	JE	10	Y	242374	11315	8160	REALITY
POSTMA DAIRY	1445	JE	11	Y	234704	10768	8231	IB522
POSTMA DAIRY	1332	JE	12	Y	232721	10239	8181	
POSTMA DAIRY	766	JE	9	Y	231562	7767	7334	PATINAGE
POSTMA DAIRY	2391	JE	11	Y	231474	9994	7935	
BROOKS & ERMAN RANCH	2093	XX	9		226230	7928	6975	MICMAC
POSTMA DAIRY	1668	JE	9	Y	225425	9781	7690	301515
BERGWERFF FARM INC	5514	XX	9		221376	7834	7011	
F.D.B. CROSSBREDS	767	JE	8		217490	9649	7418	KYLE
DA SILVA DAIRY JERSEYS	4229	XD	8		209805	7717	6674	
BERGWERFF FARM INC	5792	XX	9		206437	6690	6131	RAFIST
RIVER OAK DAIRY	3122	XX	7		205780	6586	6677	
BROOKS & ERMAN RANCH	2272	XX	7	Y	204160	7584	6179	R DAVID
BERGWERFF FARM INC	5599	XX	9		203012	8136	7140	DILLON
NISSEN DAIRY INC.	1142	BS	7		201570	6463	13365	POWER SURGE
BROOKS & ERMAN RANCH	2523	XX	6		199980	7269	5899	MICMAC
DA SILVA DAIRY JERSEYS	4411	XD	9		196499	8770	6886	
FRANK J. BORGES DAIRY	7396	XX	6	Y	194030	6817	6157	R DAVID
POSTMA DAIRY	1320	XX	6	Y	192778	6617	5781	LYDON
POSTMA DAIRY	1652	JE	7	Y	192699	8105	6749	
CRANE DAIRY	2085	JE	7	Y	191440	9816	6906	MILITIA
F.D.B. CROSSBREDS	1011	JE	7		189360	8879	6770	JED
VAN EXEL JERSEYS	2085	JE	6	Y	189267	9705	6826	MILITIA
BROOKS & ERMAN RANCH	2362	XX	7		187850	9485	6805	
BWC WESTSTEYN DAIRY LP16085		JE	11		187027	8677	6572	PERIMITER
BROOKS & ERMAN RANCH	1231	XX	5	Y	186340	7381	5901	
FARIA DAIRY #3	5241	XX	8		183780	7233	5977	LUTHER
CRANE DAIRY	1945	JE	8	Y	182800	8787	6347	SIGNATURE
POSTMA DAIRY	518	JE	6	Y	182686	7869	6388	
DA SILVA DAIRY JERSEYS	6449	JE	5		181591	7888	6650	BLAIR
POSTMA DAIRY	2326	JE	8	Y	181539	8462	6300	OZENIT
RIVER OAK DAIRY	651	XX	5		181310	5717	5672	HO437
VAN EXEL JERSEYS	2155	JE	6	Y	180525	8545	6278	EXCITATION
SILVA BROS INC #1	423	JE	8		180520	7366	16747	BRAZO
QUARESMA DAIRY JERSEYS	343	JE	9		179870	7911	6428	REFLECTION



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FOR MORE INFORMATION CONTACT:

Rui Avila
209-678-3086

or

John Avila
209-678-1723

LIFETIME MILK PRODUCTION OVER 100,000 POUNDS

TOP 5 ALL OTHER BREED COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	PRO/SNF	SIRE NAME
ART SILVA DAIRY	577	XX	5		136600	4887	4328	ALTAMARSTON
	2052	XX	6		124040	5725	4207	CALBAN ISY
	1024	XX	4		122660	4597	4066	ALTATANGENT
	1219	XX	4		111090	4010	3454	FELIPE
	1187	XX	4		109270	4869	3953	STONE
B & J DAIRY	6080	XX	7		121709	5033	3971	CALBAN ISY
	6321	XX	4		118981	4217	3993	MARC
	6694	XX	5		118760	4679	3975	JINGLES
	3080	XX	6		114789	4594	3917	CALBAN ISY
	5207	XX	7		113015	4280	3669	CALBAN ISY
BERGWERFF FARM INC	5792	XX	8		203055	6566	6027	RAFIST
	5837	XX	8		202804	7392	6399	NIKOS
	5599	XX	8		182512	7315	6409	DILLON
	5842	XX	8		173053	7518	6023	ORRARDYD
	5357	XX	9		172666	6788	5932	
BROOKS & ERMAN RANCH	2093	XX	8	Y	202690	6954	6214	MICMAC
	2272	XX	7	Y	185420	6776	5624	
	2396	XX	6	Y	175320	7197	5451	NIKOS
	2523	XX	5	Y	173250	6312	5091	MICMAC
	2548	XX	5	Y	169880	6647	5156	REDON
BWC WESTSTEYN DAIRY LP	18062	JE	8		149708	5834	4988	JACINTO
	19440	JE	7		137681	6638	4795	JACINTO
	19946	XX	5		121196	5153	3866	JACINTO
	19863	JE	7		121054	5442	4196	JACINTO
	19645	JE	7		109731	4543	3676	SENIOR
CRANE DAIRY	2030	JE	6	Y	173980	7313	6097	ACTION
	1989	JE	7		160610	7213	5712	PARADE
	1977	JE	8		159460	7378	5666	BRAZO
	2069	JE	6		157240	6580	5173	
	2176	JE	5	Y	144730	6259	5169	
DESNAYER DAIRY	9343	XX	4		146270	5324	4383	HILL
	10767	XX	3		137660	3960	3974	DIGGER
	9741	XX	5		124690	5215	4266	DEMELLO
DESPERADO DAIRY	1104	JE	6		175770	6733	5839	ULLRIK
	1311	XX	5		133660	5775	4750	VIGOR
	1330	XX	4		129150	5978	4504	LEXINGTON
	1190	XX	6		125700	4923	4168	
	1404	XX	4		119890	5084	4045	HEADLINE



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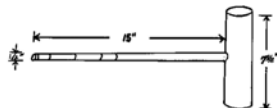
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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 ALL OTHER BREED COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	PRO/SNF	SIRE NAME
ART SILVA DAIRY	2052	JE	7		152070	7195	5208	
	1219	XX	5		141120	5085	4375	FELIPE
	1067	XX	4		139300	6587	4747	ABE {6}
	1136	XX	5		137130	6140	4955	
	1289	XX	5		136910	5270	4509	ACE
B & J DAIRY	6321	RE	5		140745	4979	4731	MARC
	6080	JE	7		139844	5814	4620	
	3080	JE	6		132255	5204	4478	
	6173	JE	6		126962	5230	4303	
	7161	XX	5		125114	4528	4099	LANGDON
BERGWERFF FARM INC	5514	XX	9		221376	7834	7011	
	5792	XX	9		206437	6690	6131	RAFIST
	5599	XX	9		203012	8136	7140	DILLON
	5842	XX	9		178911	7814	6233	ORRARDYD
	670	XX	7		171394	6904	5683	PETERSLUND
BROOKS & ERMAN RANCH	2093	XX	9		226230	7928	6975	MICMAC
	2272	XX	7	Y	204160	7584	6179	R DAVID
	2523	XX	6		199980	7269	5899	MICMAC
	2362	XX	7		187850	9485	6805	
	1231	XX	5	Y	186340	7381	5901	
BWC WESTSTEYN DAIRY LP	16085	JE	11		187027	8677	6572	PERIMITER
	18062	JE	9		163924	6423	5505	JACINTO
	19440	JE	8		160549	7638	5585	JACINTO
	19863	JE	8		131435	5825	4516	JACINTO
	24628	JE	6		112186	5367	3880	TBONE
CAL-DENIER DAIRY	350	XX	4		142900	5652	4635	ACTION
	2494	XX	4		133050	4573	4178	R
CASTELANELLI BROS	3027	JE	5		109615	4481	3579	ACTION
CRANE DAIRY	251	JE	10	Y	245923	11433	8263	REALITY
	2085	JE	7	Y	191440	9816	6906	MILITIA
	1945	JE	8	Y	182800	8787	6347	SIGNATURE
	2176	JE	6	Y	163678	7114	5873	1029
	31790	JE	5	Y	155599	7882	5605	STONE
DA SILVA DAIRY JERSEYS	4229	XD	8		209805	7717	6674	
	4411	XD	9		196499	8770	6886	
	6449	JE	5		181591	7888	6650	BLAIR
	8754	XD	7		177708	6445	5743	GANNON {2}
	6609	JE	7		156456	6828	5787	JACINTO



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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 ALL OTHER BREED COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	PRO/SNF	SIRE NAME
DESNAYER DAIRY	10767	XX	5		165170	4790	4758	GOLD DIGGER
	9741	XX	6		155030	6517	5297	DEMELLO
	11797	XX	4		126200	3990	3778	COLT P-RED
	12256	XX	3		109570	3146	3184	LAWN BOY P-RED
ED MACHADO DAIRY	1122	RE	5		173220	7439	4542	DILLON
	3189	XX	4		146450	5537	4019	APTITUDE
	548	XX	4		139980	5358	3971	TAYLOR
	1032	RE	3		118630	4340	3422	
	1558	XX	4		110290	4297	3336	DESPAIR
F.D.B. CROSSBREDS	767	JE	8		217490	9649	7418	KYLE
	1011	JE	7		189360	8879	6770	JED
	1158	JE	6		173700	7952	6387	JED
	1143	JE	7		173640	8066	6010	MEL
	1398	JE	5		146030	6474	5167	BOWTIE
F.D.B. JERSEYS	982	JE	8		152020	6910	5733	JED
	1266	JE	5		146750	6628	5113	NORAN
	283	JE	7		135960	6249	4698	GOLDEN
	1485	JE	5		134560	6136	4683	GARTH
	1063	JE	6		130580	6303	4963	JACE
FARIA DAIRY #1	6439	XX	6		157110	6211	4917	REGENCY
	7398	XX	5		116910	5219	4066	G587
	7752	XX	4		103510	4608	3792	KINGSTON
FARIA DAIRY #3	5241	XX	8		183780	7233	5977	LUTHER
	6512	XX	5		178730	6369	5241	LUTHER
	6545	XX	5		158180	5853	4986	AMERICAN PIE
	686	WW	3		112440	4274	3449	COLT P-RED
FRANK CHAVES & SONS	142	XX	7		172250	5767	5425	SPERRINGE
FRANK J. BORGES DAIRY	7396	XX	6	Y	194030	6817	6157	R DAVID
	7652	XX	6	Y	175460	5910	5436	LECUYER
	7938	XX	6	Y	174180	6404	5240	S MAJOR
	7427	XX	6	Y	168830	7048	5475	R DAVID
	7427	XX	6	Y	166630	6922	5403	R DAVID
FRANK TEICHEIRA & SONS	425	XX	4		136800	5380	7813	RAINANCE
	440	JE	5		120580	4365	6905	
	98	JE	6		102290	4878	6850	
GAWN ORGANIC DAIRY	139	XX	8		177008	7785	5812	DON
	64	XX	9		170646	7676	6130	TREASURE
	102	XX	9		160566	6150	5412	DON
	5087	JE	10		145024	6151	5337	
	5085	JE	8		137793	6394	4980	

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LIFETIME MILK PRODUCTION OVER 100,000 POUNDS *(continued)*

TOP 5 ALL OTHER BREED COWS WITHIN EACH HERD

HERD NAME	COW NO.	BREED	LACT.	3X	MILK	FAT	PRO/SNF	SIRE NAME
KISST DAIRY	1528	JE	5		136260	6769	4834	KARBALA
	1520	JE	4		106300	4772	3727	VALENTINO
	6019	XX	4		104070	4188	3382	
	1505	JE	4		100000	5360	4078	REGION
MACHADO DAIRY FARMS	5220	XD	5	Y	158941	5683	5368	PLUS {5}
	4123	XD	5	Y	157532	6369	5303	IATOLA
	5372	XD	5	Y	156461	6523	5391	PLUS {5}
	3384	XD	5	Y	155848	6581	5347	VERMEER
	5360	XD	5	Y	152094	6003	5137	PLUS {5}
NISSEN DAIRY INC.	1142	BS	7		201570	6463	13365	POWER SURGE
	662	XX	4		130440	4968	6986	DRIVER
	203	BS	4		102270	3787	5060	ACCLAIM
ORNELLAS DAIRY #1	644	XX	4	Y	128500	4455	3996	SHILTHORN
ORNELLAS DAIRY #2	1127	BS	3	Y	103650	3882	3542	DALLY
POSTMA DAIRY	1677	JE	13	Y	302432	12420	10075	BELLRINGER
	1207	JE	3	Y	292562	11976	9453	RILEY
	1354	JE	12	Y	281670	10743	9393	HOOK
	2309	JE	8	Y	253901	11047	8848	
	1445	JE	11	Y	234704	10768	8231	IB522
PRINS DAIRY	884	XX	6		152790	6310	13410	DO RIGHT
	513	XX	6		151130	6527	13879	DO RIGHT
	843	XX	5		146970	4523	12812	PLACIDO
	518	XX	7		143550	6192	12999	BOTANS
	973	XX	5		131650	5223	11601	TUESDAY
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	12250	XX	3	Y	117500	4180	3670	ROCK 50716
	12478	XX	3	Y	114210	4087	3627	ROCK 50716
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	633	JE	9		173730	7480	16071	
	6384	XX	8		166000	6154	15021	
	749	XX	6		161810	5766	14636	KAVA
	3728	XX	6		143170	4584	12114	
SILVA BROS INC #2	7103	XX	7		154470	5764	14002	
	9417	XX	5		132760	4865	11891	DUSK
	9581	JE	6		117350	4176	10370	
	9047	XX	5		115360	4785	10610	1050
	9427	JE	4		112980	3797	9922	
STAAS FARMS INC	10470	JE	6		150710	7534	6190	SF9259
	11009	JE	6		145750	6610	5293	SAM
	10687	JE	6		141890	7335	5530	23
	10866	JE	5		140670	6986	5676	RAINDANCE
	10799	JE	6		138610	7314	5531	MAXIMUS
VAN EXEL JERSEYS	251	JE	10	Y	242374	11315	8160	REALITY
	2085	JE	6	Y	189267	9705	6826	MILITIA
	2155	JE	6	Y	180525	8545	6278	EXCITATION
	2174	JE	6	Y	155506	6108	5121	ACTION
	2168	JE	6	Y	153944	7040	5682	HIRED GUN

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Interpretation of Milk Urea Nitrogen (MUN) Values

MUN is a breakdown product of protein and it can be used to monitor protein status of cows.



Milk Urea Nitrogen (MUN)

Our Component Analysis is performed by Central Counties DHIA Labs using the latest in infrared instrumentation. All results are recorded electronically to eliminate the possibility of transcription errors.

Butterfat, True Protein, Solids Non-Fat, Somatic Cell Count (SCC) are the components included in our standard testing program for individual cows.

Available at extra cost for individual pen samples is Milk Urea Nitrogen (MUN) analysis.

Urea is produced in the liver from ammonia derived mainly from the breakdown of protein in the rumen and from normal daily metabolism of absorbed amino acids and body protein. If bacteria in the rumen cannot capture the ammonia and convert it to microbial protein, the excess ammonia is absorbed across the rumen wall.

Excess ammonia circulating in blood can be toxic and the conversion of blood ammonia to urea is the way to prevent this toxicity. The body excretes blood urea in urine and milk. Urea nitrogen (N) levels in blood plasma, blood serum and milk of an individual cow are highly related. Therefore, MUN values are representative of urea levels of blood and other body fluids. Because MUN is a breakdown product of protein, it can be used to monitor protein status of cows. In addition, MUN values can be used to improve the efficiency of microbial protein synthesis, which may reduce N excretion into the environment.



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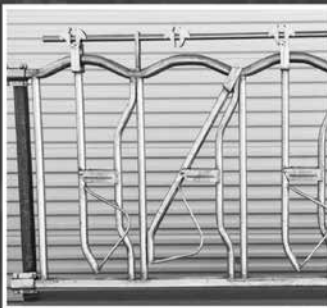
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Interpretation of Milk Urea Nitrogen (MUN) Values

(continued)

Normal ranges for MUN

There are various ranges reported for MUN, which can make interpretation challenging, Table 1. Some researchers recommend a range of 10 to 14 milligrams per deciliter (mg/dl) while others recommend at range of 8 to 12 mg/dl. The later range reflects rations that are formulated to the cow's requirement for protein and excel in the balance of protein, protein fractions, and carbohydrates to capture excess ruminal ammonia. These values typically are associated with a ration protein level of approximately 16%.

Researchers from the University of Wisconsin estimate that there is 2 mg/dl change for each one percentage unit change in protein when rations contain 15 to 18.5% protein. Herds with an MUN above 12-14 mg/dl would have increased urinary N excretion and there would be opportunities for improvements.

There are many factors affecting MUN values. The feeding system, i.e. total mixed rations (TMR) versus component-fed herds, and cow eating patterns can affect MUNs. The time of feeding relative to milking time; MUN values usually peak 3-5 hours after feeding. In addition, herds milked 3x tend to have higher MUN values than herds milked 2x. The AM MUN value is usually lower than PM samples taken from the same herd. When comparing MUN values in a herd between months, account for differences in sampling times.

Another factor affecting MUN values is breed. Holsteins usually have a lower MUN value than other dairy breeds, e.g. Jerseys. However, this may be due to body weight rather than a breed difference. Also, MUN values tend to be higher in the summer months.

One strategy for a meaningful interpretation of MUNs on a particular dairy operation is to evaluate the current ration along with either DHIA's MUNs and/or bulk tank values. It is helpful to have several MUN values to compare on a particular diet as a baseline. This will help determine possible problems in the ration or feed management practices. Two possible problem areas would be MUNs that are high (>12- 14 mg/dl) and that are very inconsistent.

When the herd MUN changes by more than 2 to 3 points (normal variation), investigate ration or forage changes and feed management problems (e.g. sorting). As milk plants include MUNs in their testing programs, there is an opportunity to



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Interpretation of Milk Urea Nitrogen (MUN) Values

(continued)

examine weekly averages as large variations occur day to day. Also, DHIA and milk plant MUN values can vary due to differences in machine standards and sampling. The advantage of DHIA MUNs is that individual cow and group problems can be identified whereas bulk tank MUNs can evaluate the whole herd on a more frequent basis.

When it is determined that MUN levels are outside normal ranges, investigate the ration, milk components, feeding management and nutrient balance. Low MUNs (<8-10 mg/dl) indicate a possible dietary protein deficiency, which can result when the rumen bacteria yield is reduced, thereby limiting milk production and milk protein yield. High MUN levels (>12-14 mg/dl) can be associated with excess dietary protein or an imbalance of ruminal protein, protein fractions and energy (non-structural carbohydrates). These factors can also be related to reduced milk yield, true protein, and feed efficiency. High MUN values indicate wasted feed protein and more energy being used by the cow to excrete that extra protein. It also means that excess nitrogen is being excreted into the environment.

Reasons for MUN levels falling outside recommended ranges

Milk and blood urea N have been related to efficiency of N use. As excessive protein or rumen degradable protein is consumed, MUN may increase. A positive relationship has been found between MUN and urinary N excretion so that monitoring MUN can help reduce excessive N excretion. The key factor is providing adequate rumen available carbohydrates to provide the energy for the rumen microbes to convert ammonia into microbial protein.

Some feed and management changes that may lead to higher MUN values:

- ❑ Feeding new crop corn silage that may not have the same level of fermentable carbohydrate (less starch or starch is less available) compared to corn silage that has fermented for a period of time.
- ❑ Cows grazing lush pasture can increase their intake of total and degradable protein.
- ❑ Change to a different hay-crop silage that is wetter or higher in protein and/or soluble protein.
- ❑ Feeding corn grain that has a coarse particle size. This may reduce the rate of fermentation in the rumen and may not match with the protein fractions being fed.



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Interpretation of Milk Urea Nitrogen (MUN) Values

(continued)

- Shifting from processed corn silage to unprocessed or improperly processed corn silage. This could affect the amount of available fermentable starch.
- Incorporating more degradable protein sources (e.g. changing from heat-treated soybeans (whole or cracked) to raw soybeans or heat-treated beans that are ground), which results in more rumen ammonia.

If the rumen does not maintain a minimum level of ammonia, milk yield and milk protein yield may drop because of reduced microbial protein synthesis. If MUNs are low (<8-10 mg/dl), evaluate the protein level, protein sources and protein fractions being fed. A nutritionist should be consulted when MUNs are outside the normal range. Discuss with your nutritionist better ways to balance both protein and carbohydrate fractions in the diet to improve rumen fermentation and nutrient balance.

Table 1. Guideline for interpreting whole herd MUN values (bulk tank milk).

MUN	Comment*	Suggestions*
<8 mg/dl	Low	Consider MUN as too low if production is less than 70 lbs. and the herd rations are not formulated for low protein (i.e. 16%). For TMR-fed herds, send out an analysis to confirm protein level. For component-fed herds and TMR-fed herds, use DHIA to evaluate individual cows and groups of cows. Evaluate protein and carbohydrate sources.
<8 mg/dl	Okay	If production is greater than 70 lbs, and the ration is formulated for low protein and well balanced for protein and carbohydrates, then the MUN may be okay.
8-10 mg/dl	Slightly low	If the ration is not formulated for low protein and milk production is less than 70 lbs, then there may be some feed management problems and/or ration program issues to address.
8-10 mg/dl	Okay	If production is greater than 70 lbs, and the ration is formulated for low protein and well balanced for protein and carbohydrates, then the MUN may be okay.

Interpretation of Milk Urea Nitrogen (MUN) Values

(continued)

Table 1. Guideline for interpreting whole herd MUN values (bulk tank milk).

MUN	Comment*	Suggestions*
12-14 mg/dl	Slightly high	If the ration is formulated for low protein and there are no feed management issues, then closely evaluate the protein fractions (especially soluble protein) and the level and sources of nonstructural carbohydrates.
12-14 mg/dl	Okay	If the ration is formulated for high levels of protein (>17.0%) and there is only one cereal grain source being fed, then the MUN level may be okay. However, there may be opportunities to lower the protein level to reduce N excretion.
>14 mg/dl	High	For TMR-fed herds, send out for analysis to confirm protein level. For component-fed herds and TMR-fed herds, use DHIA to evaluate individual cows and groups of cows. Evaluate protein and carbohydrate sources. Evaluate feed management practices, e.g. sorting.
>14 mg/dl	Not recommended	If the ration is formulated for high levels of protein (>17.0%), high levels of degradable protein and/or inadequate starch or sugar sources, then N is not being efficiently used by the animal and excessive levels of N are being excreted.

*Comments and suggestions are based on field observations and do not address every possible explanation for the MUN level being observed.

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