

**2002**

**ANNUAL**

**SUMMARY**

Utah State University Extension  
and  
Department of Animal, Dairy and Veterinary Sciences

Utah State University  
Logan, Utah

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December 11, 2002

Following a slight dip in milk production levels among Rocky Mountain DHIA herds in 2001, the level of production resumed its long term trend toward higher levels in 2002. The region wide average of 22,345 pounds of milk (actual) and 22,492 pounds of energy-corrected milk (ECM) in 2002 represent a new all-time record high for actual milk and ECM production second only to that achieved in 2000. This is further evidence of the outstanding efficiency of the progressive dairy producers in the Rocky Mountain region.

The data presented in this Rocky Mountain DHIA Annual Summary for 2002 are from all herds that were on test for the full 2001 testing year (October 1, 2000 through September 30, 2001) and which record at least 10 technician supervised tests during the year. Again this year, Allen Young has provided selected management reports generated from Rocky Mountain DHIA records. The aim is to make this annual summary not only a record of 2002 dairy production in the Rocky Mountain DHIA region, but to provide information that will be useful to dairy management in the year to come.

I would like to express my appreciation to Dr. Allen Young, USU Extension Dairy Management Specialist; Brent Clark, Manager of Rocky Mountain DHIA; Russell Beckstead of DHI-Provo; and Nancy Daines, Staff Assistant in the ADVS Department at Utah State University for their contributions to the preparation of the 2002 Annual Summary.

Congratulations to all Rocky Mountain DHIA dairymen for their achievements in 2002 and best wishes for success in meeting the challenges and opportunities that lie ahead!

Sincerely,

Jeffrey L. Walters  
Research Assistant Professor

**ROCKY MOUNTAIN DAIRY HERD IMPROVEMENT ASSOCIATION  
AFFILIATES FOR 2002**

<b>District</b>	<b>Trustee</b>	<b>Counties Represented</b>
1.	Kent Buttars - Lewiston	North Cache
2.	Blaine Lindley - Wellsville	South Cache, Rich, WYOMING
3.	Carl Petersen - Tremonton	Box Elder
4.	Dale Wade - Ogden	Morgan, Weber, Davis
5.	Ron Anderson - Lindon	Juab, Salt Lake, Tooele, Utah
6.	David Thacker - Bluebell	Daggett, Duchesne, Summit, Uintah, Wasatch
7.	David Roberts - Beaver	Beaver, Iron, Millard, Washington, NEVADA
8.	Kent Sorensen - Mayfield	Emery, Piute, Sanpete, Sevier, Wayne
9.	Dan Daugherty - Charlo, MT	MONTANA
10.	Lon Tueller - Geneva, ID	IDAHO
<b>2002 RMDHIA Officers</b>		
President	Dale Wade	(801) 731-2121
Vice-Pres.	Ron Anderson	(801) 785-1643
Secretary	Carl Peterson	(435) 257-5759

**EXPLANATION OF PRODUCTION TABLES**

The following tables provide information on production levels by area, breeds, herd size, and production trends over the years.

Table 1 on page 7, lists the county and region averages for milk, 3.5% FCM, ECM, butterfat, and protein production on a cow-year basis.

3.5% Fat-Corrected-Milk (FCM) is computed as:  
 $0.432 \times \text{Milk (lbs.)} + 16.23 \times \text{Fat (lbs.)}$ .

Energy-Corrected-Milk (ECM) is computed as:  
 $\text{ECM} = 0.327 \times \text{Milk (lbs.)} + 12.95 \times \text{Fat (lbs.)} + 7.20 \times \text{Protein (lbs.)}$ .

Table 2 also on page 7, provides a comparison of milk, 3.5% FCM, ECM, butterfat and protein production for herds of each breed. "Mixed breed" refers to herds where cows of one breed do not constitute 75 percent or more of the herd.

Table 3 on page 8 shows a breakdown of herds grouped by herd size and ranked by level of ECM. The top ten herds in each group are listed, as well as the numbers of herds in each category and their average production.

Table 4, on page 9, lists the 25 Rocky Mountain DHIA herds with lowest Somatic Cell Counts (SCC) in

order. Multiply values in the table by 1000 to get actual average SCC scores.

Table 5 on page 9, lists the most improved herds in the Rocky Mountain DHIA region in terms of their percentage increase in Energy-Corrected-Milk (ECM) production in 2002 compared with 2001. These herds are listed by numeric herd code, NOT in order by magnitude of increase in ECM.

Table 6 on page 110 is a summary of the production levels for Utah for the past 60 years, while Table 7 on page 11 gives more detailed statistics for the past 10 years.

The explanation for abbreviations used in the headings of production tables is as follows:

- TXX** = times milked daily (2x unless noted with an **X** = 3x milking of 20% or more of cows in herd);
- SCC** = somatic cell count/1000;
- BR** = breed (B = Brown Swiss, H = Holstein, J = Jersey, M = Milking Shorthorn, X = Mixed breed herd).

Report prepared by:

Jeffrey L. Walters  
Research Assistant Professor

## **SOURCE OF DATA FILES**

The data files for this report were provided by DHI-Provo Computing Service. Their assistance is greatly appreciated. Suggestions for record improvement are always welcome. It is your program.

***DHI-PROVO COMPUTING SERVICE help line: 1-800-532-2344***

## 2002 Annual Management Reports

Allen J. Young  
Extension Dairy Management Specialist

Management reports, starting on page 12, have been added to give dairy producers some basis for comparing production parameters from their herd with those herds of similar production or herd size. The intent is to make your DHIA records more useful to you. A few general comments are in order so that you will know how these reports were derived and what to look for on some of the reports. The selection criteria for what herds were included in the reports are given below. These criteria excluded 70 herds out of 311 from consideration in the averages.

### Criteria:

- \* Days on test had to be at least one year,
- \* Services per conception were equal to or greater than 1.25,
- \* Herd breed limited to either Holstein or Jersey,
- \* Number of cows in the herd had to be greater than or equal to 15,
- \* State codes equaled 81 thru 88 (i.e. all herds that process through DHI-Provo that are in the Intermountain region).

Tables 8 to 33 are reports broken down by herd production for either Holstein or Jersey herds. Tables 32-45 are reports broken down by herd size, again for either Holstein or Jersey herds.

Table 7 is interesting from a historical perspective. Milk per milking cow increased this past year after having been level for the previous 3 years. This is in spite of average days in milk staying long; a function of reproduction that is subpar. In the past 10 years, average age at calving has been slowly decreasing. This year it is about the same as the previous year with Holsteins averaging 26.7 months and Jerseys 24.6 months (see Tables 28 and 29). Percent of cows with low SCC has decreased from the historical average of 80% to 78%, suggesting that mastitis cases have increased. This number is going in the wrong direction. In addition, this year saw percent cows leaving the herd decrease to 37%. This is still high. These areas suggest that opportunity exists to increase profits.

Tables 8, 9, 14, 15, 16, 17, 34, 35, 38, 39 list the average % low somatic cell count (SCC) (0 - 4 linear score) and actual SCC. The thing to keep in mind is that you want the **actual SCC** to be low and the **average % low SCC** number to be high if you want to have better herd udder health (i.e., less mastitis). My "rule-of-thumb" is 90% or greater in the average % low SCC category signifies a herd with excellent udder health and greater than 300,000 SCC as a problem herd. In general, Jersey herds showed a small decrease in the % of cows with low SCC suggesting that udder health has deteriorated over the last year.

Tables 12 and 13 are most important in evaluating production and management on a dairy. These tables list peak production by level of production. Peak production is important because for every pound of milk you get at peak, it translates into an extra 220 - 250 pounds of milk per cow for that lactation. If cows aren't peaking as high as they should or not peaking at all, then the nutrition and management of your herd

should be carefully checked. In order to properly evaluate a lactation curve you also need to know not only information regarding peak milk, but also persistency (how fast milk comes down after peaking). Average 30-day Change in FCM after 90 DIM is shown in Tables 32, 33, 43, and 44. The purpose is to give you something to compare with in evaluating persistency. The larger the number, the greater the drop in milk production per month.

Table 24 and 25 should be noted because the ultimate reproductive goal for a dairy producer is to get a cow pregnant. The values in these tables are computed from the calculated heat detection rate (based upon your voluntary waiting period) multiplied by the average conception rate (1/Services per conception). An average herd with a 50% heat detection rate and a 50% conception rate (Service per conception of 2.0) would give a 25% pregnancy rate (heats resulting in calf). IF A PRODUCER IS NOT ADHERING TO HIS/HER VOLUNTARY WAITING PERIOD, then this number will become skewed down due to the influence of the heat detection rate. Numbers are a little worse compared with last year.

Tables 26 and 27 list average days dry, by production. This past year saw a decrease in days dry in Jersey cows. This is a good trend because of a whole host of possible problems resulting from long days dry.

Herd size has been suggested as a factor for many management traits. We have therefore included several reports related to herd size for Holstein and Jersey herds. As herd size increased, milk production per cow for Holsteins increased up to herd size of 300+ cows and decreased in Jersey herds. As herd size increased, Services per Conception increased in both Holstein and Jersey herds. Days Open increased as herd size increased for Jersey herds. This deterioration in reproduction of Jersey herds is new and, I hope, not a trend of things to come. As herd size increased in Jersey herds, udder health deteriorated in 2<sup>nd</sup> and older cows as measured by SCC and % Low SCC, and in 2<sup>st</sup> lactation cows in herds of 100+ as measured by SCC. The other number of note is that only Holstein herds of 500+ and Jersey herds over 50 cows had an Age at First Calving at or below 25 months, suggesting a better job of heifer raising.

We hope these reports are interesting and informative. If you have any questions, would like to see more information, or have it expressed relative to some other parameter, please let us know.

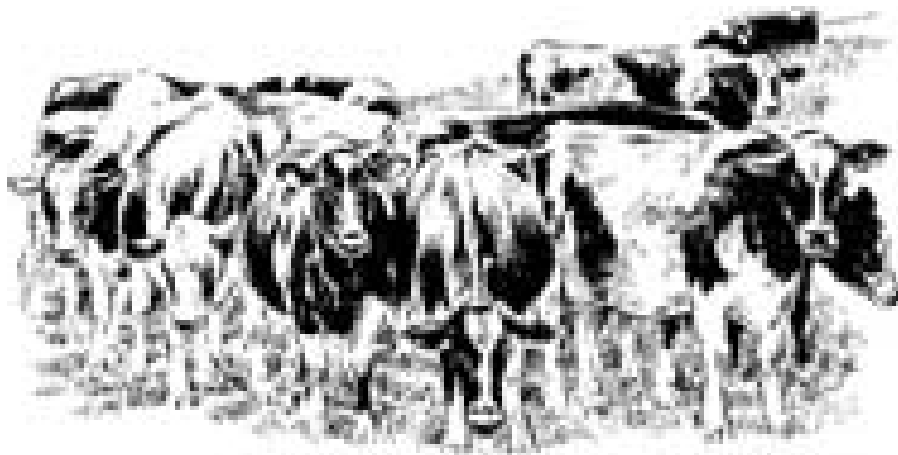
**Table 1. Average Production by Districts for All Rocky Mountain DHIA Herds**

DISTRICT	NO. OF HERDS	COW YRS	MILK LBS	BUTTERFAT		PROTEIN		3.5% FCM LBS	ECM LBS
				%	LBS	%	LBS		
BEAVER-NV	9	2,378	21,513	3.50	752	3.12	672	21,504	21,612
BOX ELDER	18	2,870	21,421	3.61	764	3.10	662	21,654	21,421
CACHE	67	8,910	21,110	3.76	786	3.14	659	21,882	21,829
DUCHESNE	17	3,254	23,090	3.49	807	3.04	702	23,067	23,048
MILLARD	10	5,685	20,391	3.54	721	3.04	619	20,508	20,461
PIUTE-WAYNE	5	1,266	20,592	3.53	727	3.03	625	20,695	20,648
SALT LAKE-TOOELE	3	1,276	27,621	3.60	985	3.08	840	27,916	27,832
SANPETE	9	3,956	23,433	3.50	820	3.10	725	23,425	23,497
SEVIER-EMERY	8	2,508	23,665	3.46	815	3.02	712	23,453	23,419
SUMMIT	6	810	21,251	3.55	748	3.13	661	21,321	21,251
UTAH	17	3,912	23,831	3.54	838	3.05	724	23,892	23,855
WASATCH	4	479	20,372	3.42	688	3.16	642	19,971	20,194
WEBER-MORGAN	11	1,667	23,436	3.56	832	3.10	724	23,623	23,646
MONTANA	47	6,920	22,597	3.51	788	3.04	685	22,558	22,533
IDAHO-WYOMING	25	8,113	22,919	3.50	803	3.03	694	22,939	22,895
REGION AVERAGE	256	54,004	22,345	3.56	792	3.07	684	22,500	22,492

**Table 2. Average Production by Breed for All Rocky Mountain DHIA Herds**

BREED	NO. OF HERDS	COWS YRS	AVE. HERD SIZE	MILK LBS	BUTTERFAT		PROTEIN		3.5% FCM LBS	ECM LBS
					%	LBS	%	LBS		
HOLSTEIN	226	51,510	228	22,674	3.53	798	3.05	691	22,746	22,733
JERSEY	19	1,648	87	15,480	4.44	687	3.62	559	17,840	17,985
OTHER <sup>a</sup>	11	846	77	15,712	3.87	604	3.29	514	16,596	16,663
ALL	256	54,004	211	22,345	3.56	792	3.07	684	22,500	22,492

<sup>a</sup>Includes 4 Brown Swiss, 1 Milking Shorthorn, and 6 Mixed Breed herds.



**Table 3. The Top Ten Herds for Energy-Corrected-Milk (ECM) Grouped by Herd Size**

DISTRICT	HERD NAME	COW YRS	T X X	POUNDS		BUTTERFAT		PROTEIN	
				ECM	MILK	LBS	%	LBS	%
<b>FROM 10 TO 75 COWS</b>									
BOX ELDER MONTANA	MUNNS DAIRY	47		26,126	26,471	872	3.29	858	3.24
WEBER-MORGAN MONTANA	WILLIAM J TATARKA	66		25,691	25,350	919	3.63	764	3.01
CACHE	KIM SLATER	50		24,738	25,110	842	3.35	781	3.11
CACHE	DAN DAUGHERTY	52		23,835	24,035	830	3.45	726	3.02
IDAHO-WYOMING	EVAN L OLSEN	65		23,674	22,833	854	3.74	715	3.13
IDAHO-WYOMING	BRIDGERLAND HOLSTEINS	48		22,964	21,820	837	3.84	693	3.18
IDAHO-WYOMING	LONTE HOLSTEINS	64		22,205	22,593	760	3.36	691	3.06
IDAHO-WYOMING	GLADE HYMAS	51		22,002	21,158	790	3.73	674	3.19
IDAHO-WYOMING	EBORN DAIRY	45		21,881	22,065	755	3.42	679	3.08
CACHE	DEAN O DAIRY	72		21,689	21,394	771	3.60	654	3.06
AVERAGE FOR 57 HERDS		54		18,969	18,281	677	3.74	587	3.23
<b>FROM 76 TO 150 COWS</b>									
IDAHO-WYOMING	ROCKING-F DAIRY	126		28,549	27,462	1,048	3.82	833	3.03
WEBER-MORGAN	PAPPYS FARM	141		28,010	27,683	993	3.59	847	3.06
BOX ELDER MONTANA	SCOTT DAIRY	104		25,845	25,279	951	3.76	731	2.89
WEBER-MORGAN	DEERFIELD COLONY	117		25,147	25,445	869	3.42	774	3.04
BOX ELDER	O SCOTT WAYMENT	148		25,144	24,791	907	3.66	735	2.96
SUMMIT	E L PETERSON DAIRY	88		25,133	24,854	909	3.66	727	2.93
MILLARD	LIL-WEBER HOLSTEINS	107		25,014	25,218	860	3.41	782	3.10
UTAH	TONY STANWORTH	113		24,948	24,859	874	3.52	764	3.07
CACHE	SOLO DAIRY	146	X	24,925	24,836	870	3.50	769	3.10
CACHE	CALVIN MAUGHAN	148		24,731	24,452	887	3.63	729	2.98
AVERAGE FOR 92 HERDS		112		20,892	20,468	740	3.64	641	3.15
<b>FROM 151 TO 300 COWS</b>									
SALT LAKE-TOOELE	HENRY M DAY	209	X	28,702	28,668	1,026	3.58	839	2.93
UTAH	B RICHARD ORTON	210	X	28,443	29,100	969	3.33	886	3.04
MONTANA	MU JUICE DAIRY	179	X	27,957	29,713	926	3.12	868	2.92
MONTANA	DAVID LEWIS	164	X	27,302	28,083	926	3.30	851	3.03
CACHE	D & H FARM INC	179	X	26,922	26,429	974	3.69	787	2.98
DUCHESNE	DALE M RASMUSSEN	164		26,558	26,100	962	3.69	773	2.96
MONTANA	CEDAR K DAIRY	200		26,222	25,657	950	3.70	768	2.99
SANPETE	SANPITCH DAIRY	293		26,081	25,819	930	3.60	777	3.01
MILLARD	GARDNER DAIRY	189	X	25,643	25,667	895	3.49	786	3.06
SANPETE	TRYDALE FARMS	296	X	25,540	25,816	875	3.39	801	3.10
AVERAGE FOR 58 HERDS		209		22,398	22,117	790	3.59	679	3.07
<b>OVER 300 COWS</b>									
CACHE	KEN MUNK FARM	332	X	30,046	30,405	1,052	3.46	900	2.96
SALT LAKE-TOOELE	ELBERTA DAIRY	949	X	28,992	29,000	1,020	3.52	875	3.02
DUCHESNE	THACKER'S RIVERSIDE	334		28,848	27,781	1,058	3.81	842	3.03
SANPETE	YARDLEY DAIRY	434	X	28,569	29,018	978	3.37	891	3.07
UTAH	BYU DAIRY	620	X	27,831	28,230	967	3.43	844	2.99
SEVIER-EMERY	CEDAR RIDGE DAIRY	1,207	X	27,695	28,179	960	3.41	840	2.98
CACHE	TASK-MASTER HOLSTEINS	379	X	27,622	26,660	1,005	3.77	818	3.07
BOX ELDER	WILLARD DAIRY	525	X	27,178	28,000	928	3.31	834	2.98
IDAHO-WYOMING	SEAGULL BAY DAIRY	589	X	26,625	26,890	925	3.44	813	3.02
IDAHO-WYOMING	DAVE & DOUG RALLISON	512	X	26,427	26,430	928	3.51	801	3.03
AVERAGE FOR 47 HERDS		605		23,498	23,568	823	3.50	712	3.03

**Table 4. Herds with Lowest Somatic Cell Counts for 2002**

R A N K	DISTRICT	B R	HERD NAME	NO. COWS	TT	SCC	POUNDS			
							ECM	MILK	FAT	PROT
1	CACHE	M	CANTAGREE DAIRY	40		72	13,850	13,578	482	440
2	WEBER-MORGAN	J	PAPPY'S JERSEY	11		80	21,219	17,702	829	652
3	MONTANA	H	DAVID LEWIS	164		84	27,302	28,083	926	851
4	WEBER-MORGAN	H	PAPPYS FARM	141		86	28,010	27,683	993	847
5	CACHE	H	D & H FARM INC	179		90	26,922	26,429	974	787
6	MONTANA	H	AMSTERDAM HOLSTEINS	110		94	23,587	23,716	815	733
7	MONTANA	H	SINNEMA FLIKKEMA	105		98	19,447	19,514	667	615
8	DUCHESNE	J	TRIPLE R DAIRY	50		106	18,188	15,701	695	563
9	BEAVER-NEVADA	H	GILLINS DAIRY	448		110	25,483	25,707	875	798
10	MONTANA	H	MU JUICE DAIRY	179		112	27,957	29,713	926	868
10	SUMMIT	H	L & G PACE FARM	107		112	22,555	22,558	794	680
12	MONTANA	H	WILLIAM J TATARKA	66		114	25,691	25,350	919	764
12	IDAHO-WYOMING	H	RILEY L MICKELSEN	74		114	20,317	19,861	706	650
14	MONTANA	H	SURPRISE CREEK COLONY	116		116	21,348	21,149	767	625
15	BOX ELDER	J	ANDSMITHASEN DAIRY	124		120	17,632	15,142	684	531
16	MONTANA	H	DELBERT KAMERMAN	132		122	22,679	22,080	799	710
17	MILLARD	H	TONY STANWORTH	113		126	24,948	24,859	874	764
17	UTAH	H	MARTY LARSON	64		126	19,486	19,103	701	578
19	CACHE	H	USU DAIRY HERD	171		128	24,615	24,202	891	717
19	DUCHESNE	H	DALE M RASMUSSEN	164		128	26,558	26,100	962	773
21	WEBER-MORGAN	H	LASUE HOLSTEINS	160		130	23,528	23,209	836	710
22	MONTANA	H	CEDAR K DAIRY	200		134	26,222	25,657	950	768
22	BEAVER-NEVADA	H	C & S DAIRY	173		134	22,762	21,797	837	666
22	CACHE	H	MAIR DAIRY FARM	78		134	21,925	21,118	790	662
25	SEVIER-EMERY	H	IDEAL DAIRY	143		136	23,253	23,532	815	695

**Table 5. Rocky Mountain DHIA Most Improved Herds for Pounds of Energy-Corrected-Milk in 2002 (listed by herd code)<sup>a</sup>**

HERD CODE	DISTRICT	HERD NAME	ECM LBS	NO. COWS
81-07-1812	MONTANA	DEERFIELD COLONY	25,147	117
81-16-0255	MONTANA	KARL FLIKKEMA	21,160	126
81-16-0845	MONTANA	B3 DAIRY	22,150	252
81-16-9848	MONTANA	RICH BROUWER	21,744	102
82-29-0351	IDAHO-WY	HOWARD D NELSON	19,760	134
87-02-0032	BOX ELDER	ANDSMITHASEN DAIRY	17,632	124
87-02-0780	BOX ELDER	NORR FARMS	20,271	93
87-02-0791	BOX ELDER	E L PETERSEN DAIRY	25,133	88
87-03-0335	CACHE	SID & RICHARD HANSEN	18,486	193
87-03-0341	CACHE	HARRIS DAIRY LAND	24,524	277
87-03-0344	CACHE	HANSEN HOLSTEINS INC	24,455	135
87-03-0421	CACHE	D & H FARMS INC	26,922	179
87-03-0460	CACHE	KIRT LINDLEY	15,409	41
87-03-0579	CACHE	EUGENE OLSEN	15,409	112
87-07-0009	DUCHESNE	A + A DAIRY	25,127	290
87-07-0291	DUCHESNE	TRIPLE R DAIRY	18,188	50
87-07-0350	DUCHESNE	HARVEY'S DAIRY	21,447	51
87-07-0355	DUCHESNE	ROBERT HAMBLIN	18,803	84
87-07-0589	DUCHESNE	CLARK MCKEE	17,372	135
87-21-0305	SEVIER	NIELSON DAIRY	19,554	177
87-25-0635	UTAH	PRIORITY DAIRY	24,312	301
87-29-0591	WEBER	ROPELATO DAIRY	20,899	218

<sup>a</sup>Herds with ECM yield increase of 7% or more from 2001 to 2002

**Table 6. Rocky Mountain DHIA Summary, 1942-2002<sup>a</sup>**

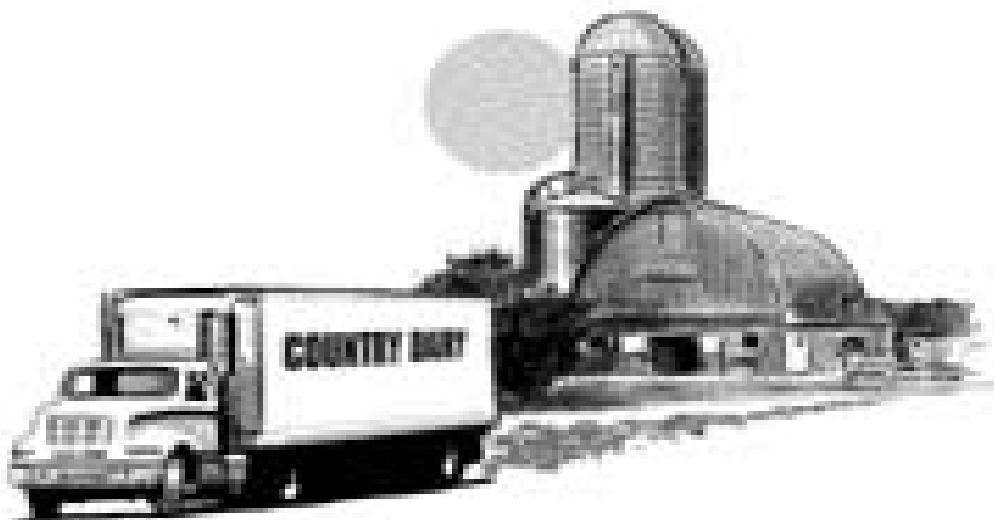
YEAR	NO. ASSOC.	NO. HERDS	COW YRS	PER HERD	COW LB MILK	% FAT	LBS BUTTERFAT	LBS PROTEIN	LBS ECM
<u>2002</u>	<u>10</u>	<u>256<sup>d</sup></u>	<u>51,510</u>	<u>211</u>	<u>22,345</u>	<u>3.56</u>	<u>792</u>	<u>684</u>	<u>22,492</u>
2001	10	248 <sup>d</sup>	49,159	198	22,062	3.58	785	675	22,250
2000	10	285 <sup>d</sup>	53,672	188	22,315	3.58	795	704	22,681
1999	10	318 <sup>d</sup>	56,347	177	21,266	3.57	754	689	21,686
1998	9	320 <sup>d</sup>	53,956	168	20,491	3.58	730	658	20,906
1997	9	267 <sup>c</sup>	46,653	175	20,295	3.58	722	655	20,485
1996	9 <sup>b</sup>	240	40,744	170	20,358	3.56	724	655	20,742
1995	17	250	38,074	152	20,268	3.54	716	655	20,608
1994	17	257	37,052	144	20,274	3.53	716	654	20,601
1993	17	250	35,195	141	19,761	3.57	705	642	20,212
<u>1992</u>	<u>17</u>	<u>248</u>	<u>33,753</u>	<u>136</u>	<u>19,551</u>	<u>3.55</u>	<u>695</u>	<u>629</u>	<u>19,919</u>
1991	17	249	34,579	139	19,048	3.59	684	616	19,518
1990	17	249	34,286	138	19,355	3.60	696	627	19,857
1989	16	246	32,666	133	18,961	3.65	692	616	19,597
1988	16	242	30,976	128	18,731	3.58	671	603	19,156
1987	16	244	30,641	126	18,487	3.59	664	586	18,863
1986	16	271	33,319	123	17,956	3.52	632	572	18,174
1985	17	307	35,003	114	17,156	3.49	598	547	17,293
1984	17	318	35,262	111	16,330	3.48	568	533	16,533
1983	17	352	39,913	113	16,600	3.39	563	548	16,665
<u>1982</u>	<u>16</u>	<u>361</u>	<u>41,407</u>	<u>115</u>	<u>16,018</u>	<u>3.48</u>	<u>557</u>	<u>519</u>	<u>16,188</u>
1981	16	330	37,598	114	15,768	3.46	546	512	15,913
1980	16	313	32,718	104	15,482	3.51	543	518	15,824
1979	15	293	29,066	99	15,450	3.45	533	510	15,627
1978	14	312	30,116	97	15,702	3.44	541	538	16,014
1977	14	312	28,153	90	15,264	3.57	545		
1976	14	312	29,924	96	14,479	3.62	524		
1975	15	291	26,706	92	13,649	3.71	506		
1974	16	339	29,100	86	13,269	3.65	484		
1973	16	350	27,762	79	12,955	3.69	478		
<u>1972</u>	<u>16</u>	<u>397</u>	<u>27,110</u>	<u>68</u>	<u>13,259</u>	<u>3.63</u>	<u>481</u>		
<u>1962</u>	<u>18</u>	<u>409</u>	<u>16,236</u>	<u>40</u>	<u>12,037</u>	<u>3.71</u>	<u>447</u>		
<u>1952</u>	<u>16</u>		<u>7,920</u>		<u>9,380</u>	<u>3.90</u>	<u>365</u>		
<u>1942</u>	<u>9</u>		<u>5,036</u>		<u>7,729</u>	<u>4.40</u>	<u>341</u>		

<sup>a</sup>Utah DHIA only before 1996

<sup>b</sup>Districts (DHIA structure reorganized between 1995 and 1996)

<sup>c</sup>Definition of herd eligibility changed in 1997

<sup>d</sup>Includes Montana herds



**Table 7. Selected Statistics for Official Herds Processed for September in Each of the Last 10 Years**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Average pounds milk per cow (all cows)	52.7	55.6	52.8	55.1	54.2	56.7	59.1	58.9	58.4	60.2
Average pounds milk per cow (milking cows)	60.9	64.5	61.5	62.9	62.9	65.6	68.0	68.5	68.3	69.9
Percent butterfat	3.56	3.51	3.54	3.62	3.55	3.56	3.52	3.53	3.52	3.57
Percent protein	3.25	3.24	3.25	3.23	3.22	3.21	3.27	3.09	3.07	3.06
Average days in milk (stage of lactation)	188	189	193	194	198	204	205	207	214	213
Average previous days dry	60	60	61	63	65	63	61	61	62	63
Average days in milk at first breeding	84	83	87	87	89	91	93	95	99	94
Age at first calving (months)	26.8	27.0	26.7	26.3	26.3	26.0	26.3	26.0	25.8	25.5
Age at last calving (all cows)	46.1	46.2	45.3	44.9	45.9	45.6	45.2	44.8	45.4	45.9
Last calving interval months	13.5	13.4	13.7	13.7	13.8	13.9	13.9	14.1	14.2	14.4
Percent of cows with missing birth dates	1.9	1.0	0.8	1.1	1.4	1.6	1.9	3.1	3.5	5.8
Percent of cows without cow registration or eartag and breed	2.9	1.3	1.9	3.4	4.8	5.8	8.3	12.3	11.5	9.0
Percent of cows without sire registration or eartag and breed	5.0	3.3	6.5	6.5	6.9	9.0	15.9	17.0	19.3	21.3
Percent of cows leaving the herd	37	34	36	34	38	36	35	36	40	37
Percent low SCC (<283,000)	81	81	80	83	81	82	80	80	79	78
Average cow PTA for pounds of milk*	626	837	94	233	416	566	669	146	284	388
Average sire PTA for pounds of milk*	1,212	1,480	592	729	875	1,031	1,158	645	761	861
Average service sire PTA for pounds of milk*	2,065	2,233	1,320	1,521	1,660	1,773	1,768	1,242	1,333	1,402

\*Base for calculation of PTA values changed between 1994 and 1995 and between 1999 and 2000.

**Table 8. Selected Management Parameters, by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Avg. % Low SCC (0-4 LS)	Avg. Days Dry	Avg. Days In Milk	Avg. % Days In Milk
16,999 & Less	17	1,390	15,785	69.4	68.9	218.5	84.2
17-17,999	9	929	17,418	75.4	67.2	219.7	85.7
18-18,999	20	5,014	18,478	73.8	64.2	202.5	85.5
19-19,999	21	3,087	19,510	81.9	63.2	215.0	86.5
20-20,999	17	3,385	20,495	79.8	62.2	207.4	86.6
21-21,999	33	7,956	21,411	81.0	61.4	207.7	87.2
22-22,999	26	6,076	22,577	80.0	61.7	210.6	88.0
23-23,999	21	5,497	23,461	84.6	61.2	216.0	88.1
24-24,999	19	6,021	24,578	79.8	61.4	216.0	88.0
25-25,999	15	3,662	25,492	82.9	63.4	211.4	87.4
26-26,999	9	3,358	26,573	82.7	65.4	209.0	87.7
27,000 +	15	6,165	28,594	82.5	62.8	222.0	89.2
TOTAL	222	52,540	21,876	79.6	63.1	212.3	87.1

**Table 9. Selected Management Parameters, by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Avg. % Low SCC (0-4 LS)	Avg. Days Dry	Avg. Days In Milk	Avg. % Days In Milk
13,999 & Less	8	893	12,626	71.4	67.5	200.3	83.5
14,000-15,999	4	309	15,028	82.8	71.8	213.3	85.0
16,000 +	7	836	17,697	82.6	57.7	183.7	89.1
TOTAL	19	2,038	15,000	77.9	64.8	196.9	85.9

**Table 10. Selected Management Parameters, by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Days First Breed	Serv. Per Conc.	Days Open	Calving Interval
16,999 & Less	17	1,390	15,785	103.7	1.76	170	15.22
17-17,999	9	929	17,418	110.6	1.95	191	15.08
18-18,999	20	5,014	18,478	99.3	1.86	167	13.95
19-19,999	21	3,087	19,510	99.1	2.20	166	14.37
20-20,999	17	3,385	20,495	99.5	2.21	149	14.35
21-21,999	33	7,956	21,411	94.7	2.16	154	14.20
22-22,999	26	6,076	22,577	94.6	2.16	162	14.37
23-23,999	21	5,497	23,461	97.2	2.32	170	14.37
24-24,999	19	6,021	24,578	92.4	2.52	152	14.46
25-25,999	15	3,662	25,492	96.6	2.14	156	14.31
26-26,999	9	3,358	26,573	91.7	2.26	162	14.43
27,000 +	15	6,165	28,594	101.9	2.43	174	14.93
TOTAL	222	52,540	21,876	97.8	2.17	163	14.44

**Table 11. Selected Management Parameters, by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Days First Breed	Serv. Per Conc.	Days Open	Calving Interval
13,999 & Less	8	893	12,626	95.5	1.93	156	13.67
14,000-15,999	4	309	15,028	91.0	1.92	139	14.00
16,000 +	7	836	17,697	80.6	2.17	136	13.27
TOTAL	19	2,038	15,000	89.1	2.02	145	13.59

**Table 12. Average Peak Production in First 90 Days (NS224), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	57.2	77.6	84.4	77.0
17-17,999	9	929	17,418	68.3	80.8	88.6	82.0
18-18,999	20	5,014	18,478	68.1	87.2	92.0	84.6
19-19,999	21	3,087	19,510	69.5	89.7	94.5	87.8
20-20,999	17	3,385	20,495	75.3	92.5	100.6	91.2
21-21,999	33	7,956	21,411	74.6	95.7	101.9	93.4
22-22,999	26	6,076	22,577	77.7	100.3	103.5	96.2
23-23,999	21	5,497	23,461	81.5	101.2	107.2	99.2
24-24,999	19	6,021	24,578	84.5	108.4	113.8	105.5
25-25,999	15	3,662	25,492	84.4	110.3	116.5	108.4
26-26,999	9	3,358	26,573	88.8	111.8	117.3	110.3
27,000 +	15	6,165	28,594	93.0	120.9	128.3	117.8
TOTAL	222	52,540	21,876	76.3	97.6	103.4	95.4

**Table 13. Average Peak Production in First 90 Days (NS224), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	53.5	57.8	64.5	60.3
14,000-15,999	4	309	15,028	54.5	66.9	72.3	66.8
16,000 +	7	836	17,697	61.4	73.2	77.2	69.6
TOTAL	19	2,038	15,000	56.6	65.4	70.8	65.1

**Table 14. Average Somatic Cell Score by (x1000) (NS208), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	162.4	423.2	548.0	407.5
17-17,999	9	929	17,418	188.2	330.0	333.1	305.3
18-18,999	20	5,014	18,478	208.9	253.2	510.9	361.8
19-19,999	21	3,087	19,510	179.3	186.1	330.1	254.6
20-20,999	17	3,385	20,495	187.5	209.2	349.2	242.9
21-21,999	33	7,956	21,411	186.0	203.7	349.3	257.2
22-22,999	26	6,076	22,577	219.5	239.5	435.2	302.2
23-23,999	21	5,497	23,461	165.0	221.0	373.3	256.6
24-24,999	19	6,021	24,578	156.3	257.9	426.0	289.7
25-25,999	15	3,662	25,492	111.6	159.1	395.3	236.7
26-26,999	9	3,358	26,573	117.3	199.1	426.4	272.4
27,000 +	15	6,165	28,594	152.7	290.1	349.6	264.9
TOTAL	222	52,540	21,876	175.2	242.0	401.8	286.5

**Table 15. Average Somatic Cell Score (x1000) (NS208), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	233.3	271.8	413.8	359.5
14,000-15,999	4	309	15,028	261.5	196.0	289.0	257.0
16,000 +	7	836	17,697	185.1	135.7	317.7	220.6
TOTAL	19	2,038	15,000	221.5	205.7	352.1	286.7

**Table 16. Average % Low SCC (0-4 LS) (NS204), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	88.6	64.1	60.3	69.4
17-17,999	9	929	17,418	84.7	76.8	70.6	76.1
18-18,999	20	5,014	18,478	85.4	76.6	56.6	69.9
19-19,999	21	3,087	19,510	88.3	85.9	73.3	80.8
20-20,999	17	3,385	20,495	85.2	80.6	70.5	79.6
21-21,999	33	7,956	21,411	88.5	81.5	74.5	81.1
22-22,999	26	6,076	22,577	84.4	81.1	65.3	77.0
23-23,999	21	5,497	23,461	88.2	84.0	70.9	81.0
24-24,999	19	6,021	24,578	85.1	80.9	65.9	76.9
25-25,999	15	3,662	25,492	90.9	87.8	68.3	81.3
26-26,999	9	3,358	26,573	90.4	80.6	69.4	79.8
27,000 +	15	6,165	28,594	87.5	80.1	71.3	80.2
TOTAL	222	52,540	21,876	87.2	80.3	68.2	77.9

**Table 17. Average % Low SCC (0-4 LS) (NS204), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	75.6	75.9	69.5	72.0
14,000-15,999	4	309	15,028	84.5	74.3	71.0	75.3
16,000 +	7	836	17,697	88.4	87.4	73.7	82.4
TOTAL	19	2,038	15,000	82.2	79.8	71.4	76.5

**Table 18. Average Days Open (NS419), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	154	167	162	170
17-17,999	9	929	17,418	173	194	184	191
18-18,999	20	5,014	18,478	147	165	163	167
19-19,999	21	3,087	19,510	155	152	167	166
20-20,999	17	3,385	20,495	150	154	157	149
21-21,999	33	7,956	21,411	157	151	155	154
22-22,999	26	6,076	22,577	166	153	165	162
23-23,999	21	5,497	23,461	171	161	177	170
24-24,999	19	6,021	24,578	144	147	165	152
25-25,999	15	3,662	25,492	160	149	157	156
26-26,999	9	3,358	26,573	171	150	161	162
27,000 +	15	6,165	28,594	182	166	170	174
TOTAL	222	52,540	21,876	159	157	164	163

**Table 19. Average Days Open (NS419), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	169	158	150	156
14,000-15,999	4	309	15,028	139	138	136	139
16,000 +	7	836	17,697	141	130	125	136
TOTAL	19	2,038	15,000	152	143	137	145

**Table 20. Average Percent First Service Conception (NS418), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	59.1	54.8	56.6	58.2
17-17,999	9	929	17,418	62.6	53.2	47.7	52.4
18-18,999	20	5,014	18,478	48.7	55.8	54.1	52.4
19-19,999	21	3,087	19,510	48.8	40.9	46.8	46.7
20-20,999	17	3,385	20,495	50.0	47.5	39.2	46.1
21-21,999	33	7,956	21,411	52.9	45.6	46.3	48.7
22-22,999	26	6,076	22,577	47.5	42.9	44.7	45.5
23-23,999	21	5,497	23,461	41.6	40.5	37.7	40.3
24-24,999	19	6,021	24,578	40.1	38.7	35.1	38.1
25-25,999	15	3,662	25,492	46.3	44.0	46.7	45.5
26-26,999	9	3,358	26,573	47.4	48.3	46.4	48.3
27,000 +	15	6,165	28,594	37.0	37.0	37.5	37.5
TOTAL	222	52,540	21,876	48.2	45.3	44.8	46.5

**Table 21. Average Percent First Service Conception (NS418), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	52.9	48.4	50.5	50.4
14,000-15,999	4	309	15,028	41.5	60.3	58.0	55.0
16,000 +	7	836	17,697	54.7	48.0	45.9	48.6
TOTAL	19	2,038	15,000	51.2	50.7	50.4	50.7

**Table 22. Average Services Per Conception (NS416), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	1.83	1.82	1.75	1.76
17-17,999	9	929	17,418	1.87	1.82	2.08	1.95
18-18,999	20	5,014	18,478	2.01	1.79	1.73	1.86
19-19,999	21	3,087	19,510	2.12	2.45	2.17	2.20
20-20,999	17	3,385	20,495	2.17	2.08	2.46	2.21
21-21,999	33	7,956	21,411	2.07	2.22	2.19	2.16
22-22,999	26	6,076	22,577	2.12	2.23	2.18	2.16
23-23,999	21	5,497	23,461	2.28	2.21	2.49	2.32
24-24,999	19	6,021	24,578	2.45	2.54	2.59	2.52
25-25,999	15	3,662	25,492	2.13	2.21	2.08	2.14
26-26,999	9	3,358	26,573	2.27	2.18	2.32	2.26
27,000 +	15	6,165	28,594	2.49	2.36	2.44	2.43
TOTAL	222	52,540	21,876	2.15	2.18	2.20	2.17

**Table 23. Average Services per Conception (NS416), by Production, for Jersey Herds.**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	1.83	1.82	2.04	1.93
14,000-15,999	4	309	15,028	2.21	2.02	1.78	1.92
16,000 +	7	836	17,697	1.98	1.91	2.33	2.17
TOTAL	19	2,038	15,000	1.97	1.90	2.09	2.02

**Table 24. Average Percent of Heats Resulting in a Calf (NS319), by Production, for Holstein Herds\***

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	27.2	22.9	24.4	20.4
17-17,999	9	929	17,418	47.8	21.1	28.9	28.9
18-18,999	20	5,014	18,478	26.6	24.0	35.3	24.7
19-19,999	21	3,087	19,510	27.0	23.4	24.5	24.7
20-20,999	17	3,385	20,495	24.6	23.1	20.5	20.8
21-21,999	33	7,956	21,411	22.8	23.3	22.5	21.8
22-22,999	26	6,076	22,577	23.0	23.4	21.8	21.3
23-23,999	21	5,497	23,461	19.6	21.2	18.5	19.0
24-24,999	19	6,021	24,578	19.3	20.2	19.4	19.3
25-25,999	15	3,662	25,492	21.9	29.2	21.8	21.7
26-26,999	9	3,358	26,573	22.8	28.4	22.7	23.4
27,000 +	15	6,165	28,594	16.6	18.7	17.8	17.3
TOTAL	222	52,540	21,876	24.0	23.1	23.0	21.7

\*This number is derived by multiplying heat detection rate by the conception rate. If a herd had a 50% heat detection rate and a 50% conception rate (Serv./Conception = 2.0), this would give a 25% of heats resulting in a calf.

**Table 25. Percent of Heats Resulting in a Calf (NS319), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	22.4	23.4	28.9	23.6
14,000-15,999	4	309	15,028	24.0	26.5	31.5	26.5
16,000 +	7	836	17,697	30.9	31.7	29.7	26.9
TOTAL	19	2,038	15,000	25.8	27.1	29.7	25.4

**Table 26. Average Days Dry (NS122), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	.0	60.8	73.8	68.9
17-17,999	9	929	17,418	.0	61.2	69.6	67.2
18-18,999	19	4,670	18,474	.0	56.9	68.2	64.2
19-19,999	19	2,765	19,519	.0	55.9	66.2	62.7
20-20,999	16	3,331	20,514	.0	54.5	67.7	62.2
21-21,999	32	7,851	21,418	.0	55.6	65.2	61.5
22-22,999	25	5,832	22,563	.0	58.3	63.9	61.8
23-23,999	21	5,497	23,461	.0	58.7	63.2	61.2
24-24,999	17	3,570	24,584	.0	58.1	63.7	61.5
25-25,999	15	3,662	25,492	.0	59.0	66.7	63.4
26-26,999	9	3,358	26,573	.0	61.4	68.4	65.4
27,000 +	15	6,165	28,594	.0	57.3	68.1	62.8
TOTAL	214	49,020	21,896	.0	57.7	66.6	63.1

**Table 27. Average Days Dry (NS122), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	893	12,626	.0	61.0	70.5	67.5
14,000-15,999	4	309	15,028	.0	72.0	72.8	71.8
16,000 +	7	836	17,697	.0	54.6	60.9	57.7
TOTAL	19	2,038	15,000	.0	60.9	67.4	64.8

**Table 28. Average Age at Calving (NS621), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,390	15,785	27.6	43.5	78.2	54.6
17-17,999	9	910	17,418	28.6	43.6	73.0	52.0
18-18,999	20	4,810	18,478	26.5	40.8	69.9	48.9
19-19,999	21	2,941	19,510	26.8	41.4	71.1	50.1
20-20,999	17	3,262	20,495	27.8	42.8	71.2	47.3
21-21,999	33	7,666	21,411	26.7	40.5	68.7	47.1
22-22,999	26	5,795	22,577	26.1	40.1	68.0	45.3
23-23,999	21	5,287	23,461	27.0	41.3	67.1	45.8
24-24,999	19	5,804	24,578	26.2	40.9	68.0	46.1
25-25,999	15	3,543	25,492	26.1	40.7	69.0	46.0
26-26,999	9	3,287	26,573	25.8	40.0	66.3	45.4
27,000 +	15	5,902	28,594	25.3	40.8	67.4	44.1
TOTAL	222	50,556	21,876	26.7	41.2	69.7	47.6

**Table 29. Average Age at Calving (NS621), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	854	12,626	26.4	39.8	66.7	49.0
14,000-15,999	4	305	15,028	21.2	38.2	70.3	47.1
16,000 +	7	812	17,697	24.6	37.0	68.9	40.2
TOTAL	19	1,971	15,000	24.6	38.5	68.3	45.4

**Table 30. Average Service Sire PTA (NS424), by Production, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,349	15,785	740	716	559	758
17-17,999	9	910	17,418	888	918	841	877
18-18,999	20	4,810	18,478	986	930	956	987
19-19,999	21	2,941	19,510	833	899	902	909
20-20,999	17	3,262	20,495	978	987	1,047	1,007
21-21,999	33	7,666	21,411	1,023	951	946	977
22-22,999	26	5,795	22,577	1,094	1,141	1,053	1,083
23-23,999	21	5,287	23,461	1,100	1,115	1,110	1,102
24-24,999	19	5,804	24,578	1,319	1,231	1,294	1,297
25-25,999	15	3,543	25,492	1,182	1,199	1,186	1,192
26-26,999	9	3,287	26,573	1,389	1,441	1,342	1,380
27,000 +	15	5,902	28,594	1,327	1,217	1,294	1,277
TOTAL	222	50,556	21,876	1,058	1,044	1,030	1,056

**Table 31. Average Service Sire PTA (NS424), by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	8	854	12,626	922	921	905	964
14,000-15,999	4	305	15,028	513	830	1,352	1,279
16,000 +	7	812	17,697	906	842	866	864
TOTAL	19	1,971	15,000	830	873	985	994

**Table 32. Average 30-day Change in FCM After 90 DIM, by Production, For Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
16,999 & Less	17	1,900	15,524	1.5	3.6	4.8	3.4
17-17,999	13	1,411	17,495	2.1	5.1	5.6	4.2
18-18,999	22	5,529	18,621	1.6	4.0	4.4	3.1
19-19,999	15	3,035	19,513	1.5	3.9	4.6	3.4
20-20,999	23	3,892	20,540	1.3	4.2	4.8	3.3
21-21,999	27	7,756	21,428	1.5	4.2	5.3	3.5
22-22,999	25	5,877	22,482	1.5	4.4	4.8	3.5
23-23,999	25	6,427	23,397	1.2	3.7	4.6	3.1
24-24,999	16	6,104	24,562	1.1	4.0	5.0	3.2
25-25,999	14	2,612	25,373	.6	4.6	4.7	3.1
26-26,999	10	2,995	26,367	.8	4.0	3.9	2.8
27,000 +	16	7,110	28,419	.8	3.8	4.7	2.7
TOTAL	223	54,648	21,786	1.3	4.1	4.8	3.3

**Table 33. Average 30-day Change in FCM After 90 DIM, by Production, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
13,999 & Less	7	793	12,832	1.3	2.6	3.2	2.5
14,000-15,999	4	320	15,134	2.1	4.5	4.0	3.6
16,000 +	7	838	17,441	.7	2.8	3.2	1.9
TOTAL	18	1,951	15,136	1.2	3.1	3.4	2.5

**Table 34. Selected Management Parameters, by Herd Size, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Avg. % Low SCC (0-4 LS)	Avg. Days Dry	Avg. Days In Milk	Avg. % Days In Milk
< 75	43	2,426	19,551	76.5	63.2	213.2	87.1
75-150	79	8,948	21,407	80.7	62.0	212.6	87.2
150-300	53	11,887	22,601	80.9	64.8	209.3	86.7
300-500	24	9,444	23,985	77.8	63.5	212.5	87.3
500 +	23	19,835	23,964	80.8	62.3	216.3	86.9
TOTAL	222	52,540	21,876	79.6	63.1	212.3	87.1

**Table 35. Selected Management Parameters, by Herd Size, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Avg. % Low SCC (0-4 LS)	Avg. Days Dry	Avg. Days In Milk	Avg. % Days In Milk
< 50	5	244	15,445	84.6	66.6	191.2	86.7
50-100	6	544	14,926	77.0	59.0	178.3	87.8
100 +	8	1,250	14,777	74.4	68.0	214.4	83.9
TOTAL	19	2,038	15,000	77.9	64.8	196.9	85.9

**Table 36. Selected Management Parameters, by Herd Size, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Days First Breed	Serv. Per Conc.	Days Open	Calving Interval
< 75	43	2,426	19,551	105.7	1.96	167	14.70
75-150	79	8,948	21,407	97.3	2.13	154	14.27
150-300	53	11,887	22,601	95.1	2.18	164	14.48
300-500	24	9,444	23,985	97.7	2.33	168	14.45
500 +	23	19,835	23,964	91.0	2.47	177	14.44
TOTAL	222	52,540	21,876	97.8	2.17	163	14.44

**Table 37. Selected Management Parameters, by Herd Size, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Days First Breed	Serv. Per Conc.	Days Open	Calving Interval
< 50	5	244	15,445	86.2	1.85	129	13.40
50-100	6	544	14,926	81.5	1.99	141	12.78
100 +	8	1,250	14,777	96.5	2.14	158	14.32
TOTAL	19	2,038	15,000	89.1	2.02	145	13.59

**Table 38. Average Somatic Cell Score (x 1000) (NS208), by Herd Size, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 75	43	2,426	19,551	199.8	314.0	405.6	314.9
75-150	79	8,948	21,407	156.4	214.4	385.1	273.5
150-300	53	11,887	22,601	188.9	226.3	384.9	274.7
300-500	24	9,444	23,985	159.8	237.4	472.4	300.7
500 +	23	19,835	23,964	178.2	242.9	416.7	290.1
TOTAL	222	52,540	21,876	175.2	242.0	401.8	286.5

**Table 39. Average Somatic Cell Score (x 1000) (NS208), by Herd Size, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 50	5	244	15,445	258.0	172.0	211.6	208.4
50-100	6	544	14,926	245.7	175.7	380.3	324.3
100 +	8	1,250	14,777	180.5	249.3	418.8	307.5
TOTAL	19	2,038	15,000	221.5	205.7	352.1	286.7

**Table 40. Average % Low SCC (0-4 LS) (NS204), by Herd Size, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 75	43	2,426	19,551	86.3	74.3	66.0	75.0
75-150	79	8,948	21,407	87.8	82.8	69.9	79.0
150-300	53	11,887	22,601	86.8	81.2	69.3	78.8
300-500	24	9,444	23,985	87.7	80.8	63.7	77.2
500 +	23	19,835	23,964	86.8	80.5	69.0	78.3
TOTAL	222	52,540	21,876	87.2	80.3	68.2	77.9

**Table 41. Average % Low SCC (0-4 LS) (NS204), by Herd Size, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 50	5	244	15,445	85.2	78.4	80.4	82.8
50-100	6	544	14,926	78.3	88.2	73.5	76.5
100 +	8	1,250	14,777	83.3	74.4	64.1	72.6
TOTAL	19	2,038	15,000	82.2	79.8	71.4	76.5

**Table 42. Average Age at Calving (NS621), by Herd Size, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 75	43	2,350	19,551	27.8	42.8	73.5	50.5
75-150	79	8,609	21,407	26.8	40.8	69.7	48.2
150-300	53	11,485	22,601	26.8	41.6	69.0	46.7
300-500	24	9,026	23,985	25.9	40.8	67.8	45.5
500 +	23	19,086	23,964	24.7	39.3	66.1	44.1
TOTAL	222	50,556	21,876	26.7	41.2	69.7	47.6

**Table 43. Average Age at Calving (NS621), by Herd Size, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 50	5	242	15,445	26.3	38.7	69.4	42.2
50-100	6	524	14,926	24.9	36.7	67.8	45.6
100 +	8	1,205	14,777	23.4	39.6	67.9	47.2
TOTAL	19	1,971	15,000	24.6	38.5	68.3	45.4

**Table 44. Average 30-day Change in FCM After 90 DIM, by Herd Size, for Holstein Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 75	42	2,467	19,547	1.3	3.8	4.3	2.9
75-150	80	9,064	21,318	1.3	4.0	4.9	3.4
150-300	54	12,313	22,469	1.3	4.2	4.8	3.3
300-500	23	9,079	23,846	1.5	4.4	5.3	3.6
500 +	24	21,725	23,754	1.3	4.5	4.9	3.2
TOTAL	223	54,648	21,786	1.3	4.1	4.8	3.3

**Table 45. Average 30-day Change in FCM After 90 DIM, by Herd Size, for Jersey Herds**

Category	No. Herds	No. Cows	Avg. Milk/Cow	Lactation Groups			
				1	2	3+	ALL
< 60	6	319	14,843	1.3	3.0	3.1	2.3
60-110	5	515	16,135	1.0	2.6	3.2	2.2
110 +	7	1,117	14,673	1.4	3.5	3.7	2.9
TOTAL	18	1,951	15,136	1.2	3.1	3.4	2.5





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