KSU KANSAS STATE UNIVERSITY

KANSAS DAIRY EXTENSION NEWS

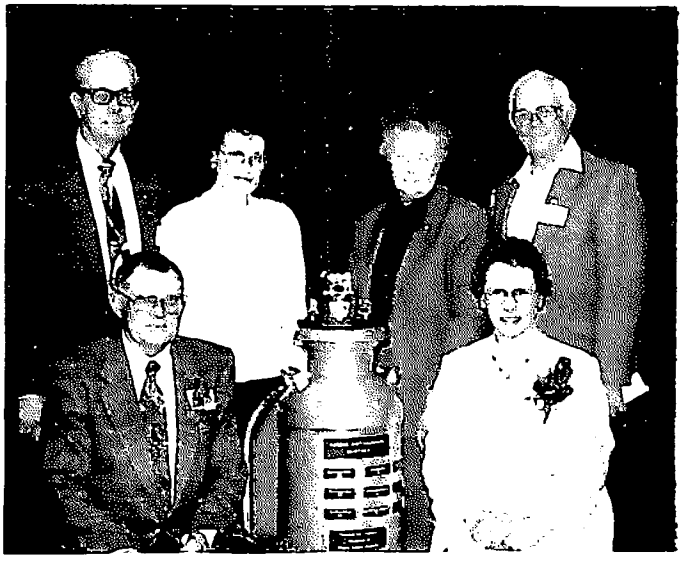
VOLUME 16 (1) *MAY, 1995*

1994 ANNUAL SUMMARY

KANSAS DAIRY HERD IMPROVEMENT PROGRAM

"To manage it... you need to **first** *measure it"*

KANSAS DISTINGUISHED DAIRYMAN



"Doing a lot of little things right" describes Walt and June Rottinghaus, the 1995 recipients of the Kansas Distinguished Dairyman award. The award was presented at the 1995 Kansas Holstein Association and Kansas Dairy Association Annual Meetings in Newton, February 18.

Walt and June are partners in Rottinghaus Holstein Farm with brother Gerald and wife, Paula and son and wife David and Jan near Seneca. Their herd of 240 registered Holstein averaged more than 23,000 pounds of milk.

Walt has been active in leadership roles at the local and county level, as well as serving as presidents of the Kansas Holstein Association and Kansas DHIA during his 37 years in the dairy industry. The Rottinghaus Holstein Farms has hosted many 4-H and FFA judging events and were hosts for the 1985 Kansas Holstein Field Day.

Two previous recipients of the Kansas Distinguished Dairyman award are shown with Walt and June -- Frank and Vera Anderson (l) and Chester and Bernice Unruh.

1994 WAS A BETTER YEAR

Improved weather conditions in 1994 resulted in 5.7% higher average milk production and 22% lower somatic cell (SCC) averages. Higher quality forages and a drier environment were responsible for improved production of higher quality milk. Milk price increased 3.2% while feed cost per cwt milk increased 2.3% with a net result of 10% improved income-over-feed cost.

The number of herds enrolled in DHI declined 4.5% (580 vs 555) while all Kansas dairies fell 7.4% (1093 vs 1018). Fifty-three percent of the Kansas dairy cows were enrolled in a DHI program.

Using the goals of the K-State Dairy Herd Analyzer program as the basis, the following table compares 1994 with 1993 while keeping milk price constant. The changes in the four management areas illustrate the gains or losses in cash flow between the two years. Improved nutrition in 1994 resulted in 1005 lb higher herd average. Improved SCC improved income by $26.00 per cow. Reproduction losses were reduced $8.00 per cow.

The following table illustrates gains and losses on a per cow basis comparing 1993 with 1992.

Management	Change: 1994 v 1993
Nutrition	$26
Genetics	+$0
Milk Quality	$26
Reproduction	$8
	+$60

ON THE COVER

Harold Roberts is shown with Keith Burgess, President of the Kansas Interbreed Dairy Cattle Council, after being named Kansas Dairy Leader by that organization. Harold's portrait will be hung in Call Hall at KSU.

Roberts is sometimes known as *"Mr. Ice Cream"* in Kansas. He has been in charge of the KSU Dairy Plant since 1963 and has taught most of the dairy products courses and coached many successful Dairy Products Judging Teams. His leadership in the dairy industry is well known in the dairy processing industry.

TABLE 1. PARTICIPATION IN VARIOUS KANSAS DAIRY HERD IMPROVEMENT ASSOCIATION TESTING PROGRAMS. 1994.

Type of Program	*No of Herds (Complete Yr)*	*No of Cow Yr*	*Cows/ Herd*	*Yearly Rolling Average*				
				Milk	*%*	*Fat*	*%*	*Protein*
DHI	61	4,829	79	18,200	3.7	668	3.2	579
DHI, APT	126	9,630	76	18,714	3.5	662	3.2	596
DHI, APCS	25	2,208	88	18,547	3.6	670	3.2	596
DHIR	26	2,481	95	19,425	3.7	727	3.3	634
DHIR, APT	27	3,009	111	19,959	3.6	728	3.2	641
DHI-OS	12	569	47	17,053	3.7	629	3.2	544
DHI-OS-AP	40	2,514	63	16,024	3.4	553	3.2	514
DHI-AP	172	12,344	72	17,427	3.6	619	3.2	558
All Programs	501	38,376	77	18,182	3.6	652	3.2	582

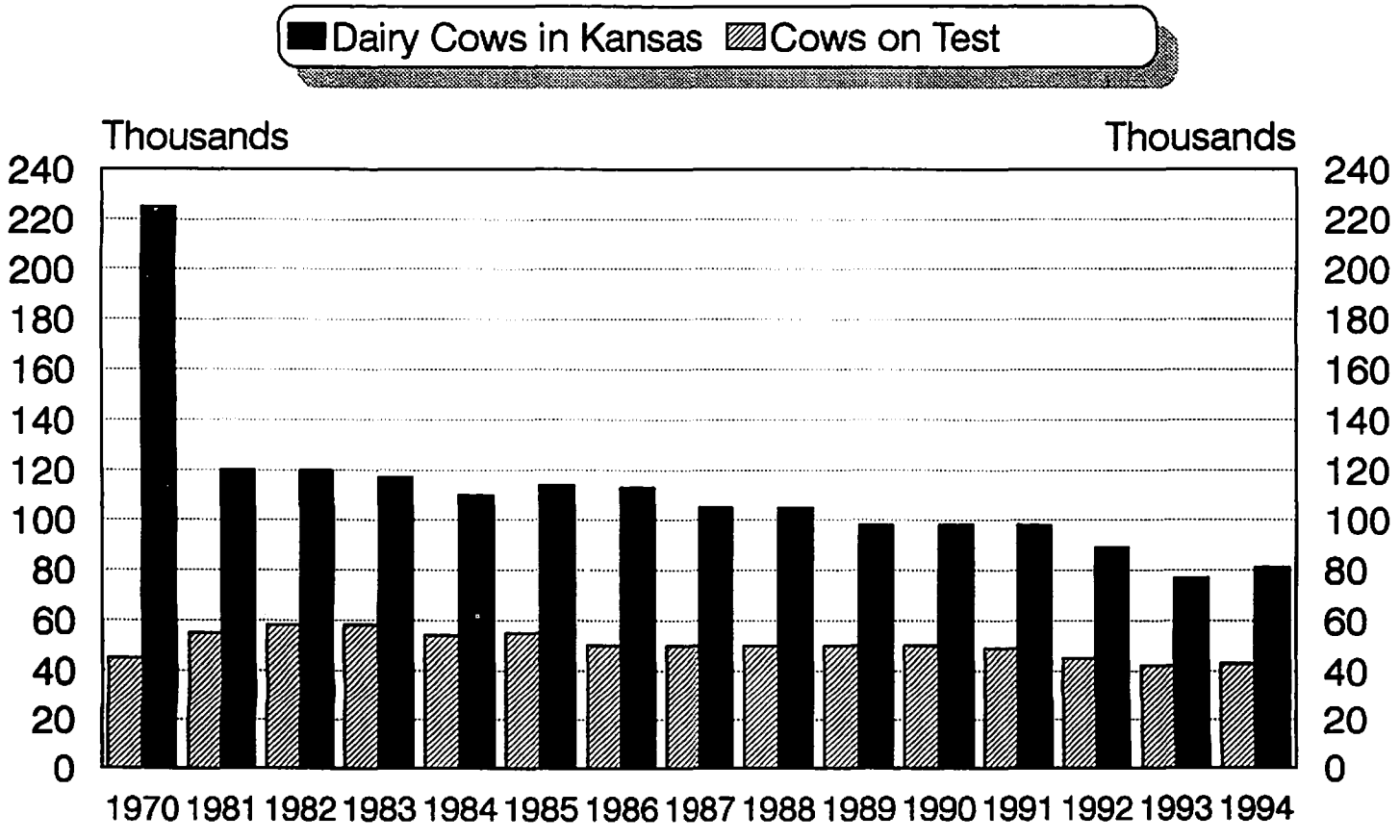


Figure 1. Total DHIA participation during the period 1970-1994.

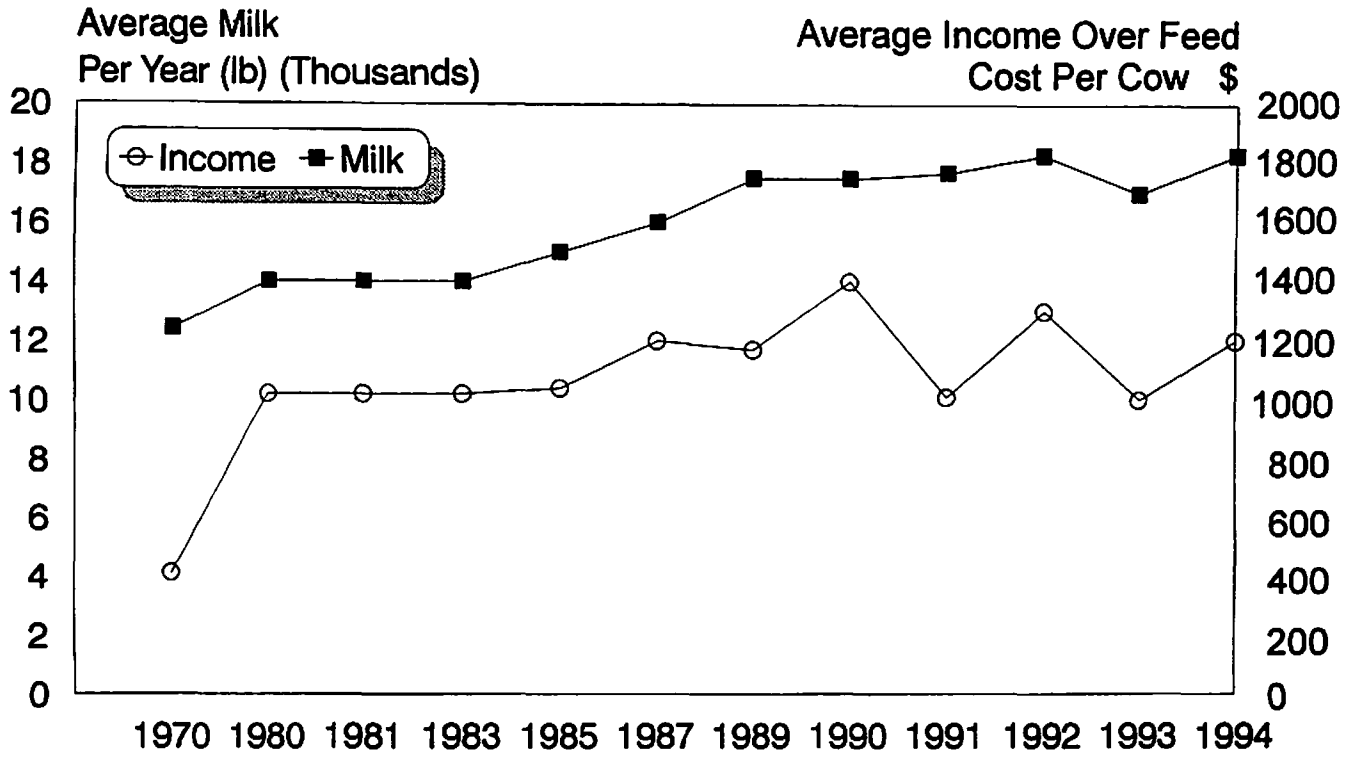


Figure 2. Production and income-over-feed cost trends, 1970-1994.

TABLE 2. STATISTICAL SUMMARY OF KANSAS OFFICIAL DHI HERDS FOR THE PERIOD 1989-1994.

Line	*Year*					
	1989	*1990*	*1991*	*1992*	*1993*	*1994*
1. Avg. milk/cow/year (lbs)	17,324	17,345	17,730	18,116	17,361	18,366
2. Number of DHI herds	510	511	478	451	470	448
3. Cows/herd, average	73	75	70	74	75	79
4. Average percent milkfat	3.7	3.7	3.6	3.6	3.6	3.6
5. Average percent protein	3.2	3.2	3.2	3.2	3.2	3.2
6. Avg. percent days-in-milk	87	87	87	87	86	87
7. Average Calving Interval (Days)	400	408	411	410	419	417
8. Average Somatic Cell Count (,000)	404	403	400	401	448	366
9. Value of milk/cow ($)	2,123	2,338	1,966	2,251	2,043	2,232
10. Avg. milk price/cwt ($)	12.25	13.51	11.09	12.43	11.77	12.15
11. Total feed cost/cow ($)	982	959	956	988	945	1,021
12. Income over feed cost/cow	1,141	1,379	1,010	1,263	1,098	1,211
13. Feed cost/cwt milk ($)	5.67	5.53	5.40	5.44	5.47	5.60

Average production among DHI herds increased 5.7% in 1994. Milk price increased 3.2% (Line 10). Combined with increased production and higher milk prices, income-over-feed cost (line 12) increased 10% even though feed cost/cwt. Milk (Line 13) increased 2.3%. Average Somatic Cell Counts decreased 22% which probably was affected by drier conditions than the previous year.

COWS MORE PROFITABLE AT HIGHER MILK LEVELS

Dairy cows convert feed into milk more efficiently and profitably at higher levels of yearly production even though it takes more feed. Table 3 ranks Kansas Holstein herds by quartile based upon yearly milk per cow or rolling herd average (RHA). Group 4 (high) averaged 55% more milk than Group 1 (low) while feed costs increased only 39% between the low and high groups. Maintenance costs (feed) are the same for cows of similar body size (line 4). Extra feed above maintenance for production, especially in early lactation, is converted very efficiently into milk if the cows have the genetic ability to respond. Line 16 expresses this efficiency another way with a 12% decline in Feed Cost/cwt Milk between Groups 1 and 4.

The effects of production on reproduction, while negatively correlated genetically, are not significant as measured by calving interval (Line 10) and cows pregnant after two services (Line 12). Higher producing herds do use proved bulls more extensively (Line 11).

TABLE 3. STATISTICAL SUMMARY OF KANSAS HOLSTEIN HERDS GROUPED BY PRODUCTION LEVEL, 1994.

Line		Group 1	Group 2	Group 3	Group 4
1.	Average milk/cow/year (lbs)	14,080	17,247	19,130	21,772
2.	Average fat/cow/year (lbs)	501	604	688	777
3.	Average protein/cow/year (lbs)	452	550	609	691
4.	Average body wt. (lb)	1,250	1,260	1,280	1,290
5.	Cows/herd, average	66	72	88	90
6.	Average percent milkfat	3.6	3.5	3.6	3.6
7.	Average percent protein	3.2	3.2	3.2	3.2
8.	Percent days in milk	84	86	88	88
9.	Average days dry	71	66	64	62
10.	Average calving interval (days)	411	410	413	414
11.	Percent cows by proven sires	33	52	67	80
12.	Percent cows PG, 1+2 services (%)	86	81	79	80
13.	Value of milk/cow ($)	1,694	2,069	2,325	2,660
14.	Total feed cost/cow ($)	856	945	1,067	1,190
15.	Income over feed cost/cow ($)	838	1,124	1,258	1,470
16.	Feed cost/cwt milk ($)	6.11	5.45	5.48	5.47

TABLE 4. AVERAGE PREDICTED TRANSMITTING ABILITY VALUES FOR BULLS, JANUARY 1995.

Breed	Active AI Bulls				Non-AI Bulls			
	Number	PTAM (lb)	PTAF (lb)	MFP$ ($)	Number	PTAM (lb)	PTAF (lb)	MFP$ ($)
Ayrshire	12	+650	+22	+79	53	+27	+2	+4
Guernsey	23	+857	+38	+109	87	+32	+0	+3
Holstein	590	+1,125	+37	+136	4,237	+0	+3	+2
Jersey	67	+1,019	+39	+126	378	-11	+2	+0
Brown Swiss	35	+722	+32	+92	69	-89	-2	-10
Milking Shorthorn	7	+547	+27	+71	18	+30	+5	+6
Red and White	28	+842	+23	+99	71	-366	-9	-43
All Breeds	762	+1,066	+36	+129	4,913	-7	+2	+1

FRESHENING INTERVALS TOO... L - O - N - G

Repro-losses continue to have a marked impact on the profitability of the dairy business. Of the four management areas, reproduction accounted for 26% of the losses in the average DHI herds. Within the repro-area elongated calving interval was responsible for 60% of the losses in the average herd while age at first calving (27 mo) accounted for 21% in reduced cash flow. The total repro-loss in 1994 was $160 per cow.

Days to first service (83) is the primary cause of long calving intervals. EBS-MORE provides routine reminders of cows to breed, cows to preg. check, etc. Synchronization schemes such as Monday Morning Program, are very effective in reducing days to first bred (and calving intervals).

Repro-losses are insidious in that poor results are difficult to evaluate and often go undetected until serious losses have occurred. EBS-MORE repro-reports or UDR's are invalulable in keeping on top of poor repro-performance.

AI - A GOLDEN OPPORTUNITY

Artificial insemination (AI) is the best "buy" in the dairy industry! Long recognized for safety and disease prevention, AI provides the very best genetics for production and conformation traits at reasonable cost and proficiency. Table 4 compares the genetic transmitting abilities of sires by breed for bulls available through AI compared with **Non-AI** bulls proved under "natural" service. Using the **MFP$** values for all breeds, the AI sires' daughters produced $128 more milk per year than daughters sired by **Non-AI** bulls. The **average** difference is further enhanced by selecting AI bulls in higher percentiles (+80% tile).

AI offers the additional advantage in the heifer replacement program by selecting for **ease of calving** as well as for production traits. While difficult calving is not eliminated, avoiding hard calving bulls markedly reduces overall calving difficulty.

TABLE 5. BREED AVERAGES FOR ALL DHI HERDS, 1994.*

Breed	Number Herds	Number Females	Rolling Yearly Avg Milk (lb)	Fat (lb)	Protein (lb)	Inc/FC ($)	Freshening Interval (Days)	Days in Milk (%)
Ayrshire	32	1,280	14,114	545	479	901	407	85
Brown Swiss	72	3,388	15,344	621	547	1,176	408	87
Guernsey	52	2,132	13,782	602	476	1,051	414	88
Holstein (Kansas)	407	33,097	18,609	664	593	1,220	412	87
Jersey	108	5,508	12,852	603	486	1,080	395	87
Mixed	101	4,747	14,871	571	497	1,118	416	86
Milking Shorthorn	12	204	12,033	429	410	770	406	78
Dairy Goats	45	1,004	1,781	65	55	326	376	73

**The breed average for Holstein is Kansas. The other breeds are averages for herds processed through Midstates DRPC.*

TABLE 6. YEARLY PRODUCTION COMPARISONS OF ALL KANSAS DHI COWS AND GOATS BY BREEDS.

Breed	No. Herd	Rolling Yearly Avg Milk (lb)	%	Fat (lb)
Ayrshire				
1989	9	12,854	3.9	497
1990	7	13,074	3.9	504
1991	7	13,058	3.9	503
1992	6	13,262	3.9	515
1993	6	12,894	3.9	506
1994	7	13,281	3.8	503

Breed	No. Herd	Rolling Yearly Avg Milk (lb)	%	Fat (lb)
Jersey				
1989	16	11,843	4.7	559
1990	16	12,249	4.6	567
1991	19	12,224	4.7	571
1992	16	12,799	4.6	594
1993	15	13,062	4.6	602
1994	16	13,667	4.6	627

TABLE 6. YEARLY PRODUCTION COMPARISONS OF ALL KANSAS DHI COWS AND GOATS BY BREEDS (Cont'd).

Breed	No. Herd	Rolling Yearly Avg Milk (lb)	%	Fat (lb)
Brown Swiss				
1989	8	12,415	4.0	497
1990	5	12,344	3.9	483
1991	5	13,158	3.9	515
1992	5	13,356	4.1	546
1993	3	13,365	4.0	529
1994	4	16,214	4.0	644
Guernsey				
1989	9	12,601	4.7	586
1990	7	12,597	4.4	557
1991	6	13,575	4.3	590
1992	5	12,227	4.5	554
1993	4	12,318	4.5	558
1994	4	12,806	4.5	574
Holstein				
1989	458	17,608	3.7	651
1990	465	17,607	3.6	639
1991	431	18,018	3.6	651
1992	411	18,197	3.6	655
1993	430	17,591	3.6	628
1994	407	18,609	3.6	664

Breed	No. Herd	Rolling Yearly Avg Milk (lb)	%	Fat (lb)
Mixed				
1989	10	15,929	3.9	623
1990	9	14,595	3.9	566
1991	8	15,004	3.9	582
1992	8	15,605	3.8	598
1993	12	14,871	3.8	571
1994	10	16,149	3.6	574
Goats				
1989	11	1,933	3.6	75
1990	14	1,863	3.7	69
1991	15	1,822	4.0	73
1992	13	1,785	4.0	72
1993	9	1,891	3.8	73
1994	12	1,924	3.9	75
All Breeds (Cows)				
1989	510	17,324	3.7	645
1990	511	17,345	3.7	633
1991	478	17,730	3.6	645
1992	451	18,116	3.6	657
1993	470	17,361	3.6	625
1994	448	18,366	3.6	660

SUMMARY OF KANSAS DAIRY HERD IMPROVEMENT ASSOCIATIONS. (DHI HERDS) 1994

Association	No. Herd	No. Cow Year	Rolling Yearly Avg Milk (lb)	Fat+Prot (lb)
Southeast	6	628	17,922	1,180
Allen	6	850	19,482	1,316
Bourbon	7	758	18,732	1,272
Miami	2	96	19,281	1,427
Douglas-Franklin	22	1,694	17,141	1,175
Greenwood	6	573	17,942	1,242
Cowley	5	600	19,245	1,301
Central	32	2,342	18,992	1,287
Harvey	15	1,002	19,483	1,332
Rice-Ellsworth	2	95	15,831	1,087
Anderson	12	875	17,184	1,189
Golden Belt	2	412	20,262	1,402
Western	5	369	15,417	1,057
Reno	35	2,002	18,945	1,301
Sedgwick	33	3,215	18,668	1,258
Sumner	8	642	16,953	1,189
Leavenworth	10	992	17,843	1,143

Association	No. Herd	No. Cow Year	Rolling Yearly Avg Milk (lb)	Fat+Prot (lb)
Harper-Barber	5	537	19,756	1,331
Rooks	4	314	17,048	1,107
High Plains	9	629	17,729	1,217
East Plains	14	913	16,230	1,098
Republic-Cloud	8	579	16,596	1,135
Washington-Marshall	29	1,929	18,068	1,230
Smith-Jewell	7	469	14,673	996
Solomon Valley	10	676	15,505	1,052
Dickinson	11	909	18,866	1,332
Geary	7	717	16,489	1,165
Brown-Doniphan	11	826	17,299	1,138
Nemaha-Jackson	51	3,772	20,168	1,362
Marion	32	2,611	19,511	1,340
Jefferson	4	324	17,873	1,137
Kaw Valley	4	264	17,895	1,314
Morris	13	915	17,065	1,153
Atchison	5	378	19,642	1,274

SUMMIT MILK YIELD DICTATES YEARLY MILK
Yearly Milk Best Predictor of Profitability

Yearly milk production per cow (and profit) is highly correlated with Summit Milk Yield (SMY). SMY is determined by averaging the two higher milk weights from the first three test day weights on each cow. As SMY increases 1 lb, yearly milk per cow (Rolling Herd Average - RHA) increases about 300 lb. SMY is the best estimate of peak yield.

Once SMY is established, the Stage of Lactation Profile (SOLP) indicates the average lactation curve for the herd. SOLP is determined each month by averaging daily production for all cows within given time periods (Days In Milk) as noted in Figure 3 which shows the effects of SMY and SOLP on RHA. Figure 3 also shows the impact of RHA on **Return to Labor and Management**. No matter the SMY level or RHA, once lactation progresses, all cows decline at about the same rate (0.1 lb milk/day).

Table 7 defines SMY by lactation number and the effect upon RHA. Also somatic cells (SCC) decrease as RHA increases.

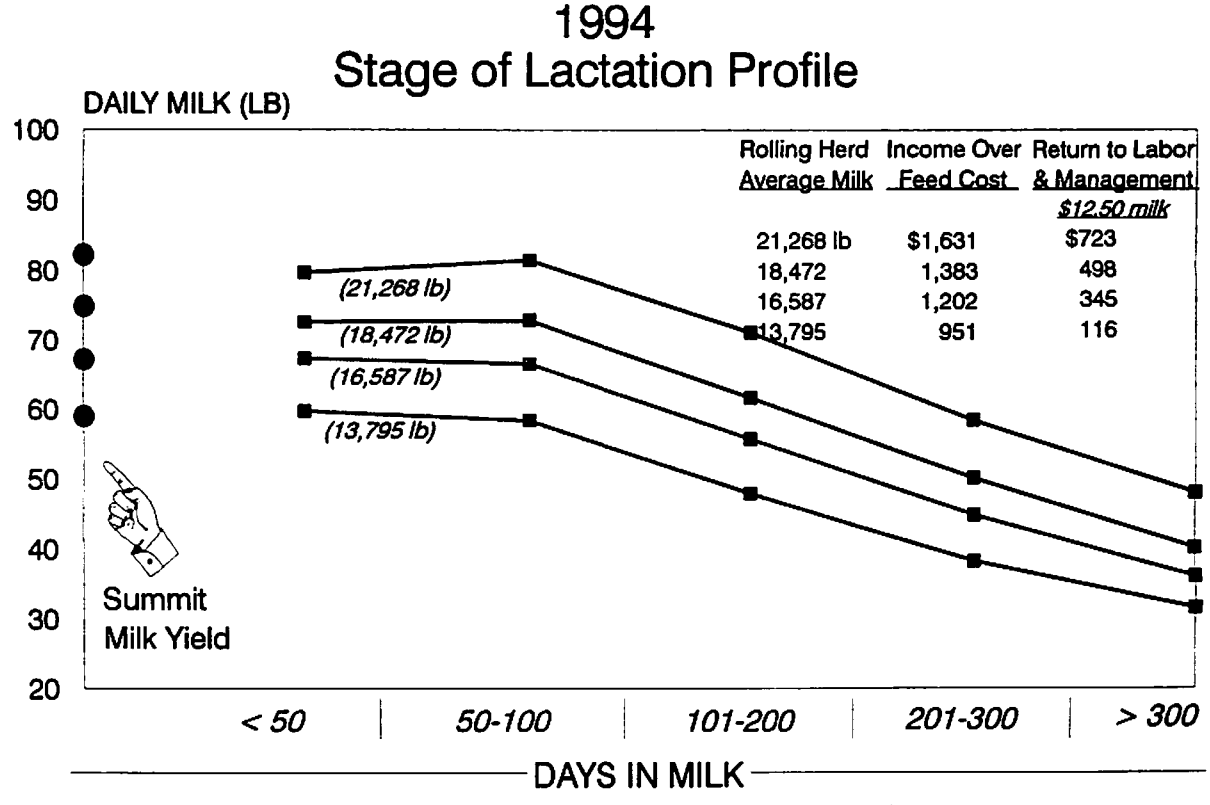


Figure 3. Summit Milk Yield (●), Lactation Profiles (■) and Income-Over Feed Cost for Mid-State Holstein Herds at Various Levels of Rolling Herd Averages (milk per cow per year)

*TABLE 7. EFFECT OF SUMMIT MILK YIELD (SMY) BY LACTATION AND SOMATIC CELL COUNT (SCC) ON ROLLING HERD AVERAGE (RHA).**

Rolling Herd Avg.	Avg. Daily Milk	Avg. Days in Milk	Summit Milk Yield ——Lactation—— L-1	L-2	L-3+	Somatic Cell Count
(lb)	(lb)	(days)	(lb)	(lb)	(lb)	(,000)
21,268	68.1	170	69.3	88.7	93.8	263,
18,472	59.5	171	63.1	78.7	84.1	310,
16,587	53.9	173	57.9	71.5	76.2	353,
13,795	46.7	174	50.0	61.5	65.9	425,

Mid-States DHI Holstein herds ranked by quartile.

1994 - HIGH HERDS -1994

A herd must have production 10% or more above breed average for either milk, fat, protein or combined fat + protein to qualify.

Name	Address	No. Cows		Milk	Combined Fat-Protein (lbs)	Energy Corrected Milk (ECM)
AYRSHIRE: *Minimum – Milk 14,609; Fat 553; Protein 496, Fat-Protein 1,049*						
Seiwert Ayrshires	Garden Plain	7.7		15,123	1,091	16,043
Alford-Bray Dairy	Lawrence	84.7		14,560	1,065	15,661
Redtop Ayrshires	Newton	12.3		14,568	1,058	15,676
BROWN SWISS: *Minimum -- Milk 17,835; Fat 708; Protein 622; Fat-Protein 1,330*						
Melvin H. Nisly	Hutchinson	131.4		19,816	1,444	21,333
GOATS: *Minimum – Milk 2,116; Fat 83; Protein 72; Fat-Protein 154*						
Douglas & Venita Heath	Oak Grove	4.1		2,574	214	3,044
Goddards Farm	Lecompton	8.9		2,294	194	2,756
Judith A. O'Neal	Lexington	5.7		2,587	188	2,786
Leon & Donna Birmeier	Leonardville	8.1		1,999	180	2,536
Randy & Shirley Chapman	Glasco	9.5		2,021	171	2,427
Don H. Kleiner	Manhattan	10.1		2,623	168	2,585
Salt Hawk E-V Robinson	Hutchinson	10.0		2,894	158	2,492
Ray & Nancy Songs	Wamego	10.3		2,260	151	2,298
GUERNSEY: *Minimum -- Milk 14,087; Fat 631; Protein 516; Fat-Protein 1,147*						
Nancy Hjetland	Valley Falls	5.3	3X	19,482	1,509	22,042
HOLSTEIN: *Minimum -- Milk 20,470; Fat 730; Protein 652; Fat-Protein 1,383*						
Ronald J. Funk	Valley Falls	63.4	3X	30,057	1,770	27,483
Fischer Brothers	Beattie	79.9		24,017	1,708	25,545
Richard Gress	Seneca	99.3		24,893	1,678	25,437
Klassen Inc.	Hillsboro	303.4		23,972	1,664	24,857
Buessing Dairy	Axtell	70.4		25,445	1,633	24,960
Willard Helmuth	Hutchinson	19.8	3X	25,032	1,626	24,901
Titus & Stanley Jost	Newton	80.3		23,656	1,613	24,380
Hillside Dairy Farm	Peabody	64.2		23,257	1,603	24,132
J & L Dairy	Moundridge	70.4		23,259	1,599	24,012
Melvin Heiman	Baileyville	43.5		23,755	1,598	24,132
Forsberg Bros.	Assaria	108.3		22,403	1,591	23,749
Mueller Dairy	Tampa	98.2		22,811	1,588	23,746
Meier Dairy	Palmer	124.9		23,207	1,583	23,891
Paul & Bob Seiler	Valley Center	102.2		22,674	1,583	23,682
Holste Homestead Inc.	Ludell	65.3		24,079	1,580	24,057
Steinlage Dairy	Goff	107.5		24,506	1,579	24,000
Darrell & Donna Heinen	Axtell	51.5		23,180	1,570	23,599
Currie Inc.	Gypsum	153.9		23,034	1,570	23,637
Schreiner Farms	Sharon	219.7	3X	22,094	1,569	23,357
Douglas & Lois Enneking	Bern	70.7		23,499	1,568	23,769
Rottinghaus Holstein Farm	Seneca	231.8		22,985	1,568	23,567
Harvey D. Nisly	Partridge	88.4	3X	24,057	1,565	23,930
Robert A. Lowe	Prescott	165.1		23,391	1,561	23,557
Don Deters	Vermillion	80.7		22,740	1,560	23,429
Cedar Hill, Inc.	Carlton	190.6		21,729	1,557	23,422
William Koehn Jr.	Burns	73.0		21,908	1,549	23,244
Gorges Dairy Inc.	Garden Plain	114.6	3X	23,381	1,533	23,323
Alvin S. Beachy	Hutchinson	69.7		23,119	1,530	23,228
Leon K. Kremeier	Hillsboro	29.0		23,678	1,527	23,383
Dalinghaus Dairy	Baileyville	50.8		22,137	1,527	22,908
Robert & Marlene Wessel	Seneca	44.2		22,484	1,526	23,083
Andyacres Holstein Farm	White City	59.0		22,061	1,520	22,856
Wells Family Dairy	Viola	88.1	3X	23,062	1,511	23,003
Hole-In-One Holsteins	Goddard	46.6		21,410	1,505	22,564

Name	Address	No. Cows		Milk	Combined Fat-Protein (lbs)	Energy Corrected Milk (ECM)
HOLSTEIN CONT'D.						
Melvin Schramm	Hanover	103.8		21,824	1,502	22,695
Nemaha River Dairy	Seneca	76.0		22,837	1,495	22,745
Coe Dairy	Soldier	104.7		21,628	1,483	22,252
Ralph & Jeanne Schmidt	Whitewater	53.7		21,465	1,481	22,202
C & D Dairy	Kingman	104.0	3X	22,576	1,479	22,539
Ohldes Dairy	Linn	117.5		22,136	1,477	22,266
Bodenhausen, Inc.	Muscotah	77.2		21,211	1,477	22,142
Farmland Research Farm	Kansas City	91.3		22,255	1,473	22,356
Dean & Jeff Allison	Delphos	80.1		20,959	1,468	21,822
Dennis & Linda Frazee	Sabetha	31.2		22,452	1,467	22,372
Ronald J. Miller	Hutchinson	10.3		20,550	1,467	21,859
Bill & Joyce Boeckman	Goff	49.4		22,041	1,466	22,167
Orval Johnson	Galva	58.7		21,808	1,461	22,089
Tauy Creek Holsteins	Baldwin City	95.2		21,601	1,460	22,026
Vernice Buessing	Baileyville	53.9		21,347	1,460	21,989
Tim Iwig	Tecumseh	61.8		21,118	1,459	21,861
Max & Marvin Niehues	Goff	99.9		21,219	1,450	21,823
Davidson Bros.	Hope	81.7		20,675	1,450	21,916
Crist H. Yoder	Hutchinson	38.1		20,674	1,450	21,691
George & Sarah Phillips	Holton	36.9		21,773	1,447	21,989
Nemaha Valley Holstein Farm	Seneca	125.5		21,060	1,447	21,825
Dan Cook	Hope	76.5		20,025	1,447	21,613
David & Ilene Enneking	Centralia	58.6		22,367	1,441	21,961
Carol Leo Heiman	Baileyville	77.9		21,423	1,439	21,799
Gilbert P. Kaufman	Moundridge	161.7		20,649	1,436	21,645
Rottinghaus Family Dairy	Seneca	85.6		20,792	1,434	21,528
Gregg & Shelly Sexton	Abilene	33.8		20,072	1,433	21,539
Kohake Dairy Farm	Centralia	61.6		21,269	1,431	21,663
Hiss Brothers	Great Bend	319.7		20,727	1,431	21,451
Pretz Holstein Farms	Osawatomie	87.8		19,324	1,427	20,981
Heideman Dairy	Corning	86.6		20,974	1,426	21,588
Steve Pretz	Osawatomie	8.4		18,825	1,425	20,809
Lorne Kuepfer	Partridge	69.2		21,166	1,424	21,446
Steenbock Dairy	Longford	93.6		20,864	1,423	21,432
Don & Kris Haverkamp	Fairview	61.8		20,510	1,422	21,350
Stanley Johnson	Galva	70.3		20,624	1,421	21,351
Curt & Scott Mueller	Humboldt	83.6		20,593	1,420	21,311
Robert H. Siemens	Halstead	84.5		20,821	1,419	21,390
Don Fincham	Marysville	44.7		21,053	1,417	21,399
Keith & Donna Olson	Alta Vista	31.3		21,244	1,415	21,390
Silverfield Holsteins	Hillsboro	90.7		20,873	1,415	21,291
Beezley Farms	Girard	202.8		21,444	1,414	21,373
Hillcrest Farm	Newton	43.3		20,873	1,414	21,290
Ivan Strickler	Iola	492.8		20,840	1,414	21,371
Gary Boeckner	Hesston	42.6		21,366	1,411	21,430
Lawrence K. Andres	Peabody	45.3		21,585	1,409	21,401
Samuel D. & Robert D. Bowen	Hiawatha	49.7		21,202	1,409	21,373
James R. Corbin	Eldorado	146.6		20,891	1,409	21,283
Jim Barrett	Cottonwood Falls	39.3		20,319	1,409	21,136
Jason Wiebe	Durham	49.7	3X	20,504	1,408	21,253
Roman Beachy	Hutchinson	75.3		20,110	1,408	21,055
Douglas Unruh	Walton	38.4		21,168	1,406	21,300
Youngers Dairy	Clearwater	69.8		20,669	1,406	21,160
KSU Dairy	Manhattan	183.0		20,388	1,406	21,091
Heinen Acres, Inc.	Seneca	144.6		21,382	1,404	21,310
Galen Case	McPherson	88.9		20,465	1,403	21,129
B C & D Farms	Seneca	156.6		21,084	1,401	21,237
Don Erdman	Alma	101.3		20,638	1,400	20,969

Name	Address	No. Cows		Milk	Combined Fat-Protein (lbs)	Energy Corrected Milk (ECM)
HOLSTEIN CONT'D.						
Charlie & Tim Pauly	Conway Springs	112.0		20,025	1,397	20,896
Harries Farms	Bremen	114.8		20,890	1,393	21,093
Rockhome Holsteins	Hillsboro	177.5		20,729	1,392	20,889
Dalbom Inc.	Viola	143.2		20,102	1,392	20,834
Pauly Family Dairy	Udall	82.1		20,007	1,392	21,050
Dean Seematter	Frankfort	43.0		20,354	1,391	20,845
Leon & Denise Seiwert	Garden Plain	46.5		20,376	1,389	20,844
Hermesch Bros. Farm Inc.	Seneca	44.1		20,380	1,388	20,827
James Thiessen	Hillsboro	69.4		20,118	1,387	20,791
Meyer Bros. Dairy	Hanover	49.4		20,106	1,387	20,828
Keith Schaefer	Linn	64.2		20,582	1,386	20,873
Emmett Simon & Sons	Clearwater	165.7	3X	20,528	1,384	20,881
Northglen Holsteins	Hays	113.6		19,317	1,382	20,459
Alan C. Pauly	Viola	57.7		19,728	1,380	20,705
Donham Dairy	Gardner	116.4		19,882	1,379	20,501
Morrison Farms	Salina	62.2		20,337	1,378	20,631
Kenneth L. Wiebe	Durham	51.7		19,841	1,378	20,705
David Gress	Seneca	63.7		20,660	1,377	20,856
Davis Farms	Fort Scott	175.9		20,025	1,376	20,814
Galen W. Penner	Hillsboro	57.2		19,618	1,374	20,459
Green Gables Dairy	McPherson	41.0		20,796	1,369	20,728
Koehn Dairy	Halstead	47.0		20,606	1,367	20,657
Greg & Duane Beemer	Abilene	115.4		18,321	1,366	20,328
Whitehill's La-Par Dairy	Latham	170.0		19,967	1,364	20,582
Justin-Time Holsteins	Durham	48.9	3X	20,050	1,361	20,639
Emma Creek Farm, Inc.	Canton	84.6		18,910	1,360	20,012
Schmitz Holstein Farm	Axtell	51.3		19,657	1,359	20,450
Gerald J. Karber	Gypsum	96.1		20,021	1,354	20,505
Mahlon Miller	Hutchinson	93.0		19,426	1,345	20,251
Summit Farms Inc.	Morrill	120.6		21,500	1,338	20,344
Hartter Bros.	Bern	133.2		21,014	1,333	20,511
Gerald Martin	Garden Plain	48.8		20,844	1,328	20,293
Ti-Mar Dairy	Baileyville	79.8		20,530	1,327	20,258
Nisly Dairy Farm	Hutchinson	57.1		20,737	1,326	20,135
Stanley Oetting	Concordia	18.7		20,471	1,316	20,125
Linsey Dairy	Lebo	68.3		20,135	1,291	19,502
James L. Barr	Lebo	70.6		20,485	1,231	19,167
JERSEY: *Minimum -- Milk 15,034, Fat 690; Protein 557; Fat-Protein 1,246*						
Frey Jersey Farm	Wamego	82.2		17,032	1,470	20,822
John Maxwell	Atwood	39.5		15,894	1,339	19,145
Roman Yoder	Hutchinson	49.6		14,998	1,282	18,418
Harley S. Beachy	Hutchinson	127.3	3X	15,771	1,276	18,461
Heartland Jerseys	Seneca	71.8		15,636	1,260	18,060
Nichols Dairy	Westphalia	66.3		15,229	1,218	17,487
MIXED: *Minimum -- Milk 17,764; Fat 631; Protein 586; Fat-Protein 1,218*						
John Maxwell	Atwood	28.2		22,342	1,465	22,287
Carl & Dawanna Nichols	Westphalia	71.6		20,373	1,340	20,111
Campbell Farms	Winfield	71.6		17,829	1,243	18,506

1994—DHIA SUPER COWS—1994

Herd Owner	Name or No.	Points
BROWN SWISS		
Campbell Farms	Denise	105.9
Campbell Farms	Ruby	100.4
Melvin H. Nisly	Hortenc	103.2
Nisly Inc.	Readin	127.4
Nisly Inc.	Bonnie	116.7
Nisly Inc.	Sherri	110.7
Nisly Inc.	Nifty	107.9
HOLSTEIN		
Allen - Schlesener	Frostie	119.4
B C & D Farms	310	119.8
Bar-Box Ranch, Inc.	225	107.6
James L. Barr	Trish	116.7
Greg & Duane Beemer	Y-44	107.6
Greg & Duane Beemer	Y-26	106.2
Greg & Duane Beemer	O-71	105.3
Beezley Farms	B-9	116.6
Bodenhausen Inc.	Milly	117.3
Bodenhausen Inc.	Maureen	109.5
Bodenhausen Inc.	Gidget	107.6
Samuel D. Robert D Bowen	283	105.2
Buessing Dairy	Marbles	116.6
Buessing Dairy	Jeanne	115.4
Buessing Dairy	Frosty	111.1
Buessing Dairy	Jigsy	110.1
Buessing Dairy	Dolly	106.7
Vernice Buessing	Dazzle	117.0
Vernice Buessing	Bea	112.1
Vernice Buessing	Brenda	110.5
Vernice Buessing	Nel	107.4
Vernice Buessing	Danish	105.1
John Coen	Venus	110.5
Gary Coltrane	412	105.6
Currie Inc.	1227	121.9
Dalbom Inc.	830	122.2
Dalbom Inc.	831	115.2
Dalbom Inc.	850	113.7
Dalbom Inc.	552	109.7
Dalbom Inc.	848	105.3
Dalbom Inc.	873	105.2
Dalinghaus Dairy	Wilma	117.8
Dan Cook	253	122.4
Dan Cook	362	119.0
Dan Cook	378	113.5
Dan Cook	343	105.7

Herd Owner	Name or No.	Points
Davis Farms	594	118.1
Davis Farms	599	114.6
Donham Dairy	12	112.9
Donham Dairy	32	108.7
Emma Creek Farm Inc.	389	114.0
Emma Creek Farm Inc.	391	111.3
David & Ilene Enneking	351	117.4
David & Ilene Enneking	259	111.2
David & Ilene Enneking	310	110.1
Douglas & Lois Enneking	Bren	120.4
Douglas & Lois Enneking	42	108.9
Douglas & Lois Enneking	17	106.4
Farmland Research Farm	273	105.1
Fischer Dairy	Hello	124.5
Fischer Dairy	Candy	105.4
Merle D. Fitzgerald	149	110.9
Forsberg Bros.	Lori	108.7
Forsberg Bros.	Fina	105.5
Fowler and Sons	Moneta	107.0
Fowler and Sons	Princes	105.8
Dennis & Linda Frazee	O-6	110.1
Dennis & Linda Frazee	N-26	105.7
Funk Dairy Inc.	146	113.1
Lloyd A. Funk	Sybil	111.9
Lloyd A. Funk	Rhonda	107.3
Ronald J. Funk	439 M	129.7
Ronald J. Funk	441	114.6
Ronald J. Funk	490	105.6
Gorges Dairy Inc.	480	114.8
Gorges Dairy Inc.	404	108.5
Richard Gress	Kristy	113.2
Richard Gress	Leona	111.3
Richard Gress	Fran	108.8
Harries Farms	298	111.3
Carol Leo Heiman	Letitia	113.0
Melvin Heiman	Door	109.5
Melvin Heiman	Moon	105.0
Doug & Michelle Heimer	Tena	106.2
Heinen Acres, Inc.	160	127.2
James E. Hiebert	363	110.6
Hillcrest Farm	Dana	112.2
Hiss Brothers	1024	107.1
Hole-in-One Holsteins	Charm	113.3

Herd Owner	Name or No.	Points
HOLSTEIN CONT'D		
Holste Homestead Inc.	105	110.5
Holste Homestead Inc.	169	109.8
Holste Homestead Inc.	188	108.4
Tim Iwig	Twinkle	125.7
Tim Iwig	Gretta	118.1
J & L Dairy	334	130.7
J & L Dairy	269	108.8
Jeannin Farms Inc.	264	114.6
Jeannin Farms Inc.	1342	106.3
Titus & Stanley Jost	B Grace	120.5
Titus & Stanley Jost	R Amy	107.2
Titus & Stanley Jost	Sylvabe	106.4
Titus & Stanley Jost	Grace	105.6
Gilbert P. Kaufman	Ethel	119.0
Gilbert P. Kaufman	Rory	113.9
Gilbert P. Kaufman	Petra	109.4
Klassen Inc.	503	118.3
Klassen Inc.	14	108.1
Glen Kliewer	91	108.7
Gene A. Knackstedt	Alice	120.4
Kohake Dairy Farm	210	115.1
Ronald J. & Linda Lager	461	109.3
Ronald J. & Linda Lager	600	107.7
Lane Holsteins	66	105.4
Jhan Larosh	21	108.5
Robert A. Lowe	Heather	105.7
Marston Dairy	Oreo	116.5
Meder Dairy	Devana	108.8
Meier Dairy	465	119.2
Meier Dairy	144	113.5
Meier Dairy	397	111.4
Mueller Dairy	387	106.8
Curt & Scott Mueller	968	107.9
Curt & Scott Mueller	662	105.0
Nemaha River Dairy	456	108.5
Max & Marvin Niehues	900	109.1
Harvey D. Nisly	81-289	111.3
Harvey D. Nisly	26Eppy	109.8
Northglen Holsteins	Dnis447	107.6
Northglen Holsteins	Beth392	106.6
Northglen Holsteins	Prud409	106.5
Ohldes Dairy	71	109.2
Page Alderman Farms	10	106.6
Pauly Brothers	740	116.7
Pauly Family Dairy	362	105.8
Alan C. Pauly	73	119.9
Charlie & Tim Pauly	925	114.3
Charlie & Tim Pauly	432	113.7
Charlie & Tim Pauly	417	106.4
Galen W. Penner	204	109.2
Reed Dairy	3	108.9
Ronald W. Rockers	73	115.4
Ronald W. Rockers	74	111.2
Rockhome Holsteins	Avon	114.0
Rockhome Holsteins	Audrey	105.7
Rottinghaus Holstein Farm	Cherry	121.2
Rottinghaus Holstein Farm	Ellii	119.6
Rottinghaus Holstein Farm	Salty	117.0
Rottinghaus Holstein Farm	Alice	111.9
Rottinghaus Holstein Farm	Secret	110.4
Rottinghaus Holstein Farm	Sally	105.2
Pat Schmelzle	24	107.7
Ralph & Jeanne Schmidt	812	113.8
Melvin Schramm	104	107.8
Melvin Schramm	5	105.9
Paul & Bob Seiler	Poky	122.0
Paul & Bob Seiler	Pepsi	116.4
Paul & Bob Seiler	Hilda	108.6
Paul & Bob Seiler	Patches	107.8
Paul & Bob Seiler	Hiccup	106.2
Steenbock Dairy	Beauty	105.3
Ronald Strauss	Ella	105.8
Ivan Strickler	1209	118.1
Ivan Strickler	615	113.7
Ivan Strickler	1426	110.0
Ivan Strickler	1629	106.4
Ivan Strickler	1654	105.2
Tauy Creek Holsteins	Gaylie	109.5
Tauy Creek Holsteins	Summer	106.3
James Thiessen	237	108.5
Wells Family Dairy	Jazzie	118.2
Wells Family Dairy	Jingle	111.5
Wells Family Dairy	Esotric	107.8
Wheatland Holsteins	295	110.6
Kenneth L. Wiebe	50	116.4
Wolf Dairy	532	107.2
Crist H. Yoder	Twinkle	106.4
JERSEY		
Harley S. Beachy	Maxy	110.4
Harley S. Beachy	Mary	100.2
Frey Jersey Farm	189	105.9
Frey Jersey Farm	182	105.7
Heartland Jerseys	Carrie	107.1
Nichols Dairy	23	104.8
Elwood Schmidt	Berry	111.4
MILKING SHORTHORN		
Melvin H. Nisly	Fleeta	152.5
Melvin H. Nisly	Tiffany	109.8
Melvin H. Nisly	Fliver	104.6
AYRSHIRE		
Selzer Dairy Inc.	357	105.6
MIXED		
Campbell Farms	Adell	100.3
Lorne Kuepfer	Taffy	104.5

ANNUAL CLASS LEADER LACTATIONS (305 DAYS OR LESS)
TWO HIGH INDIVIDUALS FOR COMBINED FAT & PROTEIN IN EACH AGE GROUP
LISTED 1-95

HERD OWNER	COW NAME OR NO.	AGE	MILK	COMBINED FAT & PROTEIN
AYRSHIRE				
Selzer Dairy Inc.	443	2-04	17,070	1,173
Redtop Ayrshires	Kylie	2-10	17,010	1,168
Alford-Bray Dairy	Beauty	3-01	19,640	1,356
Seiwert Ayrshires	Emily	3-03	14,450	1,234
Seiwert Ayrshires	Bell	3-10	19,280	1,243
Kenneth Burgess	Topaz	3-08	14,720	1,173
Alford-Bray Dairy	Fuzzy	4-00	18,830	1,291
Selzer Dairy Inc.	357	4-03	17,610	1,229
Alford-Bray Dairy	Bobet	4-09	19,200	1,383
Fred & Noreen Altwegg	Top-Soc	4-09	16,650	1,301
Alford-Bray Dairy	Bunnie	6-01	24,770	1,635
Seiwert Ayrshires	Pansy	5-06	22,900	1,436
BROWN SWISS				
Nisly Inc.	Pride S	1-11	13,660	1,252
Campbell Farms	Juanita	1-11	15,720	1,221
Melvin H. Nisly	Cmonica	2-01	15,910	1,409
Dean & Bruce Seim	Jan	2-03	16,610	1,408
Melvin H. Nisly	Eloise	2-11	16,930	1,467
Melvin H. Nisly	Lucita	2-10	16,900	1,303
Melvin H. Nisly	Piney	3-05	25,610	1,806
Melvin H. Nisly	Muppet	3-04	27,110	1,784
Melvin H. Nisly	Flossie	3-08	24,520	1,792
Melvin H. Nisly	Nolita	3-10	24,610	1,749
Melvin H. Nisly	Kendra	4-04	22,580	1,731
Dean & Bruce Seim	Veronic	4-05	20,740	1,709
Melvin H. Nisly	Blubird	4-06	24,970	1,834
Melvin H. Nisly	Tempo	4-06	20,700	1,719
Melvin H. Nisly	Hortenc	6-11	32,910	2,285
Melvin H. Nisly	Oola	6-04	26,620	1,990
DAIRY GOAT				
Salt Hawk	Reba	0-11	1,880	111
Kayla R. Dieball	Betty	1-00	2,320	173
Kayla R. Dieball	Betsy	1-01	1,780	140
Judith A. O'Neal	Mariah	1-11	2,760	191
Don H. Kleiner	Bonnies	1-11	2,550	166
Don H. Kleiner	Hop 1	2-00	3,330	211
Barbara K. Regehr	Giselle	2-00	2,160	200
Goddards Farm	Penny	2-10	2,790	247
Goddards Farm	Trisha	2-11	2,640	231
Willard William	Mimi	3-01	2,860	216
Salt Hawk	Olympic	3-01	4,010	195
Douglas & Venita Heath	Frolic	3-11	2,560	223
Judith A. O'Neal	Bramble	3-09	2,650	184
Barbara K. Regehr	Ashly	4-10	2,610	205
Wallace Lindenmuth	Princes	4-11	2,770	191
Salt Hawk	Krista	7-01	3,500	208
Don H. Kleiner	Sam	5-10	3,540	191
GUERNSEY				
Jim & Nancy Sack	Brook	1-09	12,980	937
Jim & Nancy Sack	Camille	2-00	15,010	1,195
Jim & Nancy Sack	Ditto	2-00	14,470	1,122
Jim & Nancy Sack	Betsy	2-11	14,480	1,294
Nancy Hjetland	Roselin	3-10	21,830 3X	1,743
Jim & Nancy Sack	Billy J	4-03	17,310	1,453
Jim & Nancy Sack	Faith	4-04	18,310	1,427
Winn Guernsey Dairy	Clover	4-06	21,550	1,493
Ivan Keim	Wildfir	4-10	17660	1,339
Jim & Nancy Sack	Tabina	5-01	18,330	1,695
Nancy Hjetland	Jiggle	6-08	19,480 3X	1,557
HOLSTEIN				
Rottinghaus Holstein Frm	Monkey	1-11	25,700	1,728
Klassen Inc.	648	1-11	25,070	1,656
Titus & Stanley Jost	Suds	2-03	29,640	1,893
Klassen Inc.	623	2-02	29,110	1,886
Fischer Brothers	588	2-11	28,150	2,033
Fischer Brothers	590	2-10	27,160	1,979
Tim Iwig	Pearl	3-00	30,870	2,228
Klassen Inc.	610	3-01	31,320	2,203
Ivan Strickler	1527	3-11	29,830	2,273
Ivan Strickler	1132E	3-10	30,790	2,153
Beezley Farms	Y-49Jil	4-04	33,650	2,470
KSU Dairy	1811	4-01	26,200	2,203
Klassen Inc.	457	4-06	33,350	2,551

HERD OWNER	COW NAME OR NO.	AGE	MILK		COMBINED FAT & PROTEIN
HOLSTEIN CONT'D					
Klassen Inc.	153	4-11	30,690		2,214
J & L Dairy	334	5-03	34,910		2,442
Ronald J. Funk	432	5-02	35,090	3X	2,389
John Becker	Yo44	15-01	19,150		1,401
Pat Schmelzle	14	14-04	20,640		1,277
JERSEY					
Heartland Jerseys	Chimes	1-10	13,940		1,298
John Maxwell	138	1-09	14,400		1,286
Metzger Dairy	148	2-00	20,070		1,510
Harley S. Beachy	Mamy	2-01	18,360	3X	1,491
Heartland Jerseys	Patty	2-11	19,280		1,634
Frey Jersey Farm	187	2-10	14,960		1,475
The Jersey Nook	Magic	3-03	21,210		1,690
The Jersey Nook	Betty	3-03	19,060		1,659
Roman Yoder	Janice	3-11	17,090		1,628
Nichols Dairy	927	3-06	20,180		1,590
Frey Jersey Farm	174	4-03	20,170		1,736
Frey Jersey Farm	167	4-01	19,100		1,682
Frey Jersey Farm	152	4-07	22,070		1,790
Frey Jersey Farm	142	4-09	18,220		1,730
Frey Jersey Farm	127	5-02	19,450		1,766
Heartland Jerseys	Carrie	5-06	22,610		1,759
MILKING SHORTHORN					
Melvin H. Nisly	Fiddle	2-01	16,150		1,193
Melvin H. Nisly	Jackie	2-09	15,570		1,131
Melvin H. Nisly	Fiesty	3-02	15,280		1,045
Melvin H. Nisly	Taffy	3-10	28,270		1,813
Melvin H. Nisly	Vada	3-10	18,440		1,533
Melvin H. Nisly	Fleeta	6-09	24,670		1,655
Melvin H. Nisly	Frilly	5-00	17,210		1,208
RED-WHITE					
John Maxwell	461	1-11	19,960		1,310
Melvin H. Nisly	Opra	1-11	16,730		1,078
John Maxwell	467	2-00	24,600		1,532
John Maxwell	457	2-04	23,070		1,474
John Maxwell	433	2-06	22,500		1,551
James Ochampaugh	Joanie	2-06	22,510		1,549
John Maxwell	434	3-03	22,470		1,462
Emmett Kolster	148	3-01	17,690		1,189
John Maxwell	407	3-10	24,830		1,634
John Maxwell	438	3-06	25,730		1,600
Melvin H. Nisly	Harriet	4-00	23,950		1,560
James Ochampaugh	Ivy	4-01	18,810		1,277
John Maxwell	412	4-06	31,910		1,933
John Maxwell	407	4-10	26,840		1,734
John Maxwell	436	6-07	30,540		2,144
Melvin H. Nisly	Harriet	5-00	27,240		1,775
OTHER					
2K Dairy	Molly	1-05	21,440	3X	1,484
Carl & Dawanna Nichols	116	1-11	19,730		1,436
Hiss Brothers	1324	2-00	19,350		1,541
Carl & Dawanna Nichols	141	2-03	22,430		1,375
Melvin Sundstroms	018-6634	2-10	21,770		1,441
R & R Dairy	532	2-11	20,360		1,343
Lorne Kuepfer	Taffy	3-05	29,130		1,844
Harvey D. Nisly	33J292	3-04	22,980	3X	1,749
Carl & Dawanna Nichols	940	3-09	19,960		1,421
Anderson Farms Inc.	Tilda	3-10	21,430		1,396
Carl & Dawanna Nichols	924	4-03	24,990		1,708
Carl & Dawanna Nichols	1	4-02	19,640		1,511
Lorne Kuepfer	Jewel	4-11	22,760		1,434
Carl & Dawanna Nichols	829	4-11	19,680		1,403
Metzger Dairy	134	5-05	25,530		1,771
Carl & Dawanna Nichols	843	5-02	22,380		1,674

1995 - STATE D.H.I.A. BOARD MEMBERS - 1995

Heart of America DHIA began its operation January 1, 1995. The Board of Directors and managers are... (Seated l/r) David Sukup, General Manager; Charles Boynton, SD, Vice President; Mike Currie, KS, President; Stewart Huneke, NE, Secretary-Treasurer; Donna Stegman, Manager SD and ND; Bryan Stout, Manager OK and AR. (Standing l/r) J.C. Beaver, AR; Doug Temme, NE; Terry Entzminger, ND; Rodney Wegener, OK; George Phillips, KS; Greg Moes, SD; Dennis Drudik, Manager, NE.

1995-DHIA SUPERVISORS' BOARD MEMBERS-1995

PRESIDENT
Sheila Leiker-Page
RR 1, Box 68
Victoria, KS 67671
(913) 735-9242

VICE PRESIDENT
Galen Ensz
222 N. Ash
Hillsboro, KS 67063
(316) 947-3594

SECRETARY
Lillian Zimmerman
RR 1, Box 25
Oneida, KS 66522
(913) 284-2849

TREASURER
Don Heim
RR 5 Box 12
Leavenworth, KS 66048
(913) 682-8271

BOARD MEMBER
Marvin Brockelman
Box 221
Council Grove, KS 66846
(316) 767-6408

COMPARING 1994 AND 1984

Table 7. A comparison between **1994** and **1984** of average production per cow and economic measures for **Kansas DHI herds.**

Item	Year 1994	Year 1984	± Change (%)
Milk per cow	18,366 lb	14,366 lb	+28%
Price per cwt*	$12.15	$12.13	0%
Feed cost	$1,021	$820	+25%
Income-over-feed cost	$1,211	$922	+31%
Cows per herd	79	65	+22%

**Milk price per hundred weight after hauling charge.*

Table 7 compares some of the economics involved in the cost of producing milk in Kansas in **1994** with **1984** in Kansas DHI herds. Non-feed costs increased **15-19%** during this period. Without increased efficiency (yearly milk per cow) Kansas dairy producers could not begin to cope with rising costs of production. The 28% increase in production per cow is a tribute to producers adopting improved management techniques and the widespread acceptance of artificial insemination (AI). In 1994, there were **39%** fewer dairies in Kansas than in 1984. While attrition is always on-going through retirements etc., the economic status of the dairy industry has discouraged new producers from entering the market and in some cases, the transfer of the dairy to the younger generation. It is noteworthy that for those producers remaining in the business that emphasis has been placed upon improved production.

SCC PROGRESS SLOW

Somatic cell counting (SCC) is widely accepted by the dairy industry as a measure of milk quality and udder health. The legal limit for bulk tank milk was established at 750,000, July 1, 1993. Figure 4 shows average SCC for Kansas DHI herds during the last 10 years. Inclement weather in late 1992 and 1993 saw a 12% increase in average SCC for 1993 followed by a 22% decline in 1994.

Sanitation, both in the parlor and housing, is the key to good udder health and acceptable SCC. In many cases, poor conditions in the calving area, including access to ponds, is the primary stress in problem herds. Often the key is the average SCC of first calf heifers (L-1). Pre- and post-dipping, properly implemented, have proven to be of value along with the elimination of wash water and common rags or sponges.

In 1994, 97% of the Kansas DHI cows were enrolled in the SCC program.

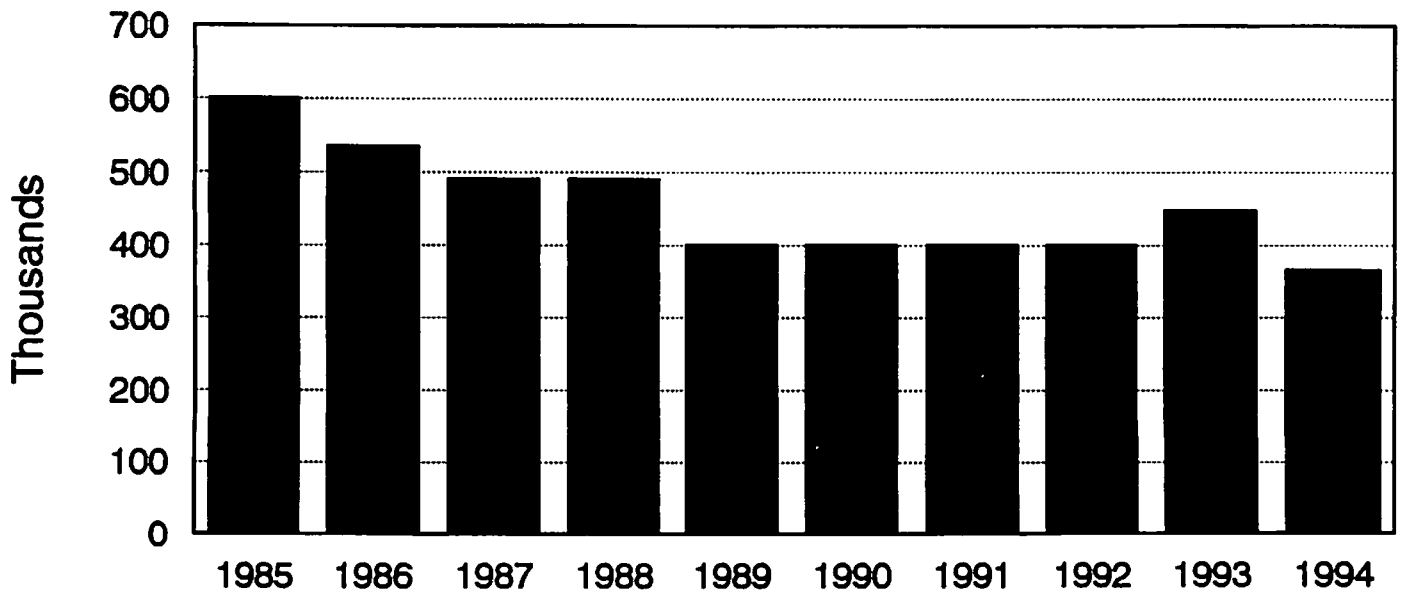
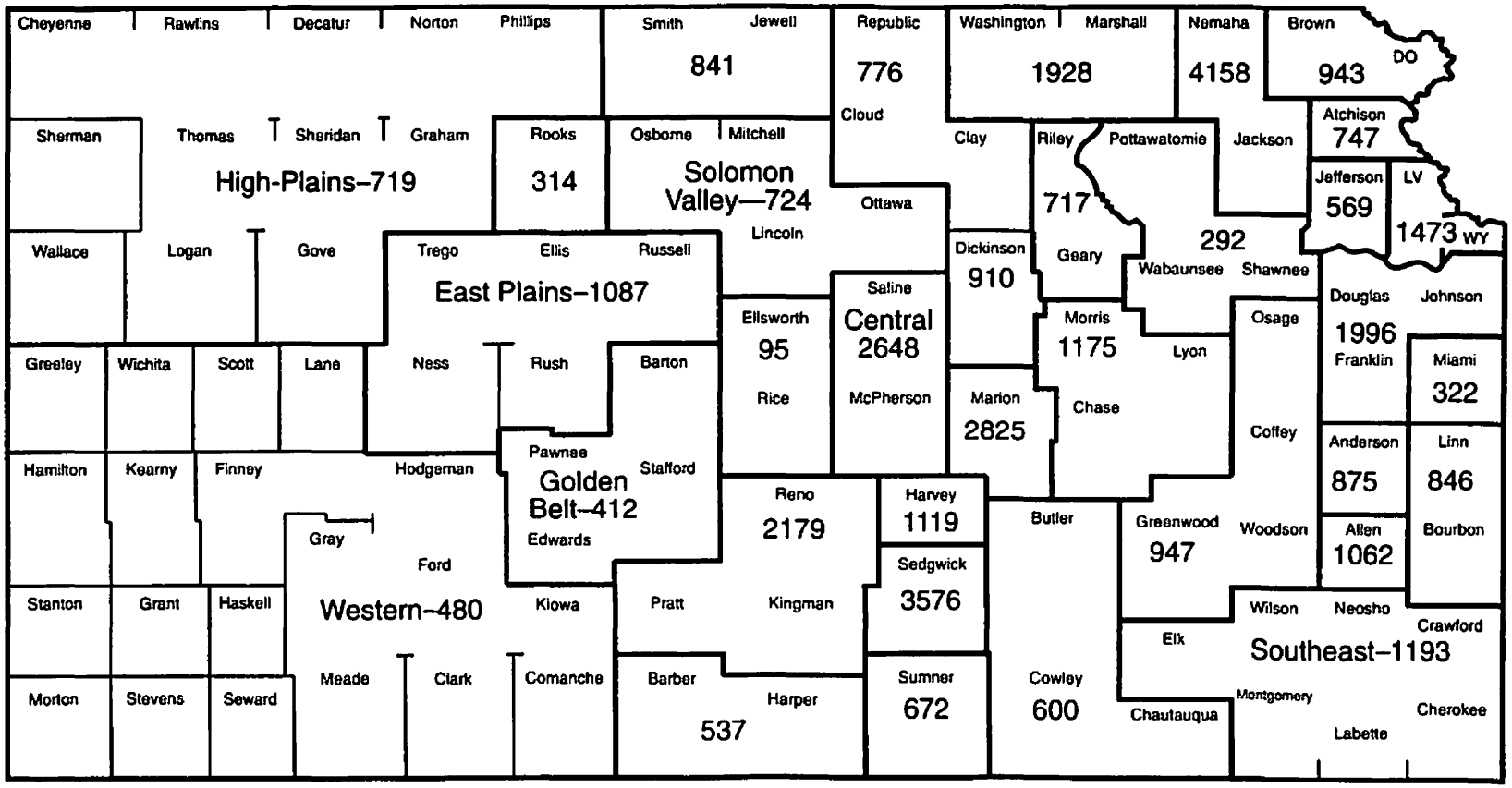


Figure 4. Changes in average somatic cell counts (SCC) in Kansas DHI herds since 1985.

Dairy Cows Enrolled in Production Testing by DHI Associations, 1994



Total number of dairy cows, two years and over, in Kansas: 81,000
Number of cows enrolled in production testing: 41,638
Percent of cows enrolled in production testing: 51%

1995 - DHIA SUPERVISORS - 1995

ASSOCIATION	*NAME*	*DATE STARTED*
Southeast Kansas	Anita Vail	August, 1991
Allen	Cheryl Korte	July, 1989
Bourbon	Shirley Gabbert	August, 1988
Douglas-Franklin	Leroy Fouts	June 1990
	Darold Cain	June, 1990
Greenwood	Minnie Johnson	February, 1977
Cowley	Ann Kendall	July, 1988
Central Kansas	John Lubbers	June, 1993
Harvey	Ann Kendall	November, 1979
Rice-Ellsworth	Dorothy Aistrip	May, 1987
	Ann Kendall	May, 1987
Anderson	Pam Campbell	March, 1995
Golden Belt	Dorothy Aistrup	July, 1988
Western	Dorothy Aistrup	October, 1984
Reno	Kenneth Burgess	April, 1990
	Tim Tedder	March, 1988
Sedgwick	Jim Wells	March, 1988
	Gene Dunbar	May, 1990
Sumner	Tim Pauly	February, 1984
Harper-Barber	Connie Boggs	February, 1977
Rooks	Marilyn Dryden	June, 1989
High Plains	Earlene Bronson	April, 1989
	Ilene Rose	May, 1984
East Plains	Helen Davis	January, 1970
	Sheila Leiker-Page	May, 1975
Republic-Cloud	Lynn Maddy	July, 1984
	Jane Maddy	July, 1984
Washington-Marshall	Terry Ohlde	July, 1992
Smith-Jewell	Earlene Bronson	July, 1988
Solomon Valley	Marilyn Dryden	January, 1990
	Karma Habiger	November, 1975
Dickinson	Linda Emig	July, 1982
	Don Emig	July, 1982
Geary	Linda Emig	July, 1982
Brown-Doniphan	Keith Brock	June, 1957
Nemaha-Jackson	Lillian Zimmerman	March, 1967
	Linda White	January, 1995
Marion	Richard Hiebert	April, 1980
	Galen Ensz	March, 1983
Jefferson	Don Heim	January, 1993
Kaw Valley	Vicky Hurla	October, 1978
Morris	Marvin Brockelman	November, 1984
Atchison	Kelly Franklin	November, 1989
Leavenworth	Don Heim	April, 1987

1995 SUMMER EVENTS

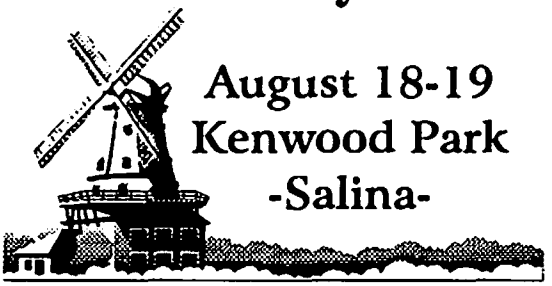
Mid-States Dairy Expo

July 7th & 8th, 1995
Kansas Coliseum
Wichita, Kansas
North on I-35

Summer Holstein Field Day
July 21

Douglas Unruh Family
-Walton-

All-Breeds Junior Dairy Show



August 18-19
Kenwood Park
-Salina-

KSU
KANSAS STATE UNIVERSITY

Cooperative Extension Service

Extension Animal Sciences and Industry
Call Hall
Manhattan, Kansas 66506-1600
913-532-5654

Dear Producer:

This issue of KDEN presents the 1994 Annual Summary, Kansas Dairy Herd Improvement Program. 1994 marked a year of great improvement compared to 1993. Average production increased 1,005 lbs compared to 1993. The improved climate demonstrated the effects of quality forage on milk production.

Sincerely,

Dick

James R. Dunham
Extension Specialist, Dairy Science