

DECEMBER 1974

A Holstein cow owned by Maurice F. Welk, RD2, Quarryville, completed the highest 305 day lactation. Dora produced 21,050 lbs. of milk, 962 lbs. of butterfat with a 4.6 percent test. Second high lactation was completed by a Registered Holstein cow owned by Paul B. Zimmerman, RD1, Ephrata. Belle produced 22,240 lbs. of milk, 931 lbs. of butterfat with a 4.2 percent test in 305 days.

The herd of J. Z. Nolt, RD1, Leola, has the highest daily butterfat average. This herd of 35.2 Registered Holstein cows averaged 58.8 lbs. of milk, 2.23 lbs. of butterfat with a 3.8 percent test. The herd of Paul B. Zimmerman, RD1, Ephrata, placed second. This herd of 35.2 Registered & Grade Holstein cows averaged 51.1 lbs. of milk, 2.13 lbs. of butterfat with a 4.2 percent test.

FIRS	T 305 DAY	S OF LACT	ATION
WITH 680 (OR MORE	LBS, OF B	UTTERFA

FIRST 305 DAYS OF LACTATION WITH 680 OR MORE LBS. OF BUTTERFAT								
	680 OR N	MORE	LBS. OF	BUTTER	FAT			
OWNER	BREED	AGE	DAVE		TECT	FAT		
COW'S NAME Maurice F. W		AGE	DAYS	MILK	TEST	FAT		
Dora	GrH	5-2	305	21,050	4.6	962		
Daisy	RH	7-5	305	21,303	3.5	744		
Ester	GrH	4- 3	305	16,183	4.3	701		
Paul B. Zimn Belle	nerman RH	7-3	305	22,240	4.2	931		
J. Mowery Fi		1-0	000	20,010				
Dottie	RH	7-1	305	18,695	4.9	909		
Emily	$\mathbf{R}\mathbf{H}$	7-0	287	16,814	4.5	753		
Jacob S. Dien		5.0	205	00 524	3.9	880		
Cruth J. Mowery Fr	RH	5-9	305	22,534	3.9	000		
Matilda	RH	7-3	305	22,289	3.9	875		
Rochele	RH	8-10	305	19,973	4.1	822		
Willis M. Mar						000		
Bets	RH	. 8 -4	30 5	20,711	4.2	868		
Amos & Elean		5-4	305	18,439	4.7	863		
Rosebud Jay E. Landis	RH	J -1	300	10,155	7.1	000		
Kingpin	RH	8 -4	305	19,835	4.3	848		
Lancaster Me	nnonite	Hospita	al	•				
Unellie	RH	3-2	305	23,926	3.5	845		
Trive	GrH	4- 5	305	18,148	4.3 4.0	785 740		
Selma	RH RH	5-2 4-6	305 305	18,560 17,566	4.0 3.9	681		
Tarcel Earl E. Mart		4-0	300	17,000	0.0	001		
Julie	RH	5-3	305	18,350	4.6	838		
Kate	RH	5-4	305	17,624	4.2	733		
Samuel F. Ki				40.445		000		
May	GrH	6-3	291	18,4 4 5	4.5	836		
J. Earl Horst	RH	9-1	305	25,039	3.3	833		
Archie King	RH	4-3	305	20,736	3.5	732		
John U. Stoltz				,				
Linda	RH	4-0	305	19,350	4.3	831		
Lloyd H. Ran			005	00.070	4 4	000		
47 Palm	RH	5-5	305	20,370 21,492	4.1 3.7	828 800		
54 Pat 65 Mona	RH RH	4- 3 3-9	305 300	18,111	4.3	787		
Elam P. Bolli		J-3	500	10,111	1.0			
Phebe	RH	8-0	305	20,589	4.0	814		
Price	$\mathbf{R}\mathbf{H}$	6-11	305	18,188	4.2	756		
Dorethy	RH	4-1	305	18,437	3.8	695		
Jingle	RH	6-7	304	19,198	3.6	693		
John A. Harsh Kris	GrH	8-3	305	16,655	4.9	810		
Astrid	RH	4-10	299	17,417	4.0	692		
John M. Smu	cker							
Bea	RH	5-7	305	17,895	4.5	808		
Melvin H. Ra			905	00.450	9.6	700		
Lola	RH GrH	5-7 12-1	305 305	22,450 19,122	3.6 3.9	798 742		
Peggy Harry L. Tro		12-1	300	13,122	0.0	112		
Bunny	RH	7-4	305	19,523	4.1	797		
Gail	RH	6-3	305	18,510	3.7	689		
Robert W. Uli		on	205	10 079	6.7	760		
44	GrJ	4-7 6-1	305 305	13,873 12,305	5.7 5.6	769 683		
Angie Lily	GrJ GrJ	6-4 5-8	288	10,926	6.2	681		
J. Z. Nolt	are	00	200	10,010				
Kate	RH	7-2	305	22,199	3.6	794		
Connie	RH	4-11	289	20,478	3.7	748		
Arlo	RH	9-2	305	19,222	3.6	699 680		
Misty	RH	3-6	305	19,666	3.5	OOU		
Donald S. Eby Prudenc	RH	4-4	305	16,209	4.9	789		
Maudela	RH	5-3	305	18,276	4.0	725		
Tiny	RH	13-2	305	16,674	4.3	710		
Homer G. Hes			005	00.00=	0.0	500		
Connie	RH	4-2	305	20,637	3.8	786		
Daniel L. Mar	rtin RH	5-6	305	17,492	4.5	785		
Eleanor Jay C. Garber		0- 0	300	41,100	2.0			
KJDarta	RH	3-2	305	20,691	3.8	783		
Но	$\mathbf{R}\mathbf{H}$	6-2	286	18,877	3.9	727		
Liestsy	RH	2-3	305	17,742	4.0	705 709		
Jylee H Bichard Hi	RH ershev	4-1	305	16,747	4.2	702		

H. Richard Hershey

Jennie

305

11-8

18.503

4.2

Nelson E. M Laddie	artin RH	4-2	305	18,518	4.2	781
S. E. Sheller Cecella	berger GrH	4-4	305	23,479	3.3	780
Henry E. Ke		6-1	301	19,117	4.1	778
Lea Robert Kauf	RH	5-0	305	19,012	4.0	751
Speedy	RH	3-10	305	19,117	4.1	777
John B. Stol	GrH	4-3	305	18,869	4.1	776
Clyde W. Ma Theda	RH	5-2	305	21,163	3.7	775
Leon S. Lapp Beulah	RH	9-2	273	19,183	4.0	773
Earl Smoker Pearl	RH	6-2	305	19,476	3.9	763
Elam J. Stol Jewel	tzfus RH	7-5	293	20,324	3.7	757
Ammon E. F		6-1	305	21,588	3.5	751
J. Floyd Kre	eider	5-7	305	21,654	3.5	748
Alta C. Nevin Her			277	16,853	4.4	747
Jean Polly	RH RH	4-5 7-2	305	17,504	4.2	736
Ezra M. Mai Felicia	RH	7-3	305	20,474	3.6	742
Edgefield Fa	rms RH	7-3	305	20,332	3.6	738
Irene H. Sau Pin	der RH	4-4	305	20,157	3.7	737
Warren F. B	ollinger RH	7-3	305	19,818	3.7	737
Conewago Vi	iew Farms RH	5-9	305	20,471	3.6	736
Robert E. La		6-4	305	16,934	4.3	735
John M. Har	nish	5-2	305	20,577	3.6	734
Patricia Ellen	RH RH	4- 2	305	21,754	3.2	687
Harry S. Au Jaye	RH	9-10	305	17,756	4.1	733
Betty Marvin L. W	RH 'eaver	4-5	305	14,951	4.7	702
37 Lassie	GrH RH	5-4 5-11	299 305	20,171 17,190	3.6 4 .0	731 680
Paul H. Roh	rer GrH	5-3	302	18,311	4.0	731
Ronald S. KI		7-6	281	19,811	3.7	729
J. Rohrer Wi		5-3	305	19,384	3.8	729
Melvin L. Fi		3-9	305	17,111	4.3	729
Mickey Paul H. Hurs	sh			,		
68 Paul S. Horn	GrH ing	4-11	305	,21,502	3.4	725
Bonnie Allan R. Sho	GrH emaker	4-6	305	20,765	3.5	724
Allan R. Sho Maud	emaker RH	4-6 8-2	305 305	20,709	3.5	724
Allan R. Sho Maud John L. Land 82	emaker RH lis GrH	8-2 3-4		20,709 17,442		
Allan R. Sho Maud John L. Land 82 64 Babs 48	emaker RH lis GrH GrH RH	8-2 3-4 4-3 4-1	305 305 305 305	20,709 17,442 18,787 16,796	3.5 4.2 3.8 4.2	724 724
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De	emaker RH lis GrH GrH RH RH on Risser	8-2 3-4 4-3 4-1 5-2	305 305 305 305 305	20,709 17,442 18,787 16,796 15,882	3.5 4.2 3.8 4.2 4.3	724 724 706 698 687
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & Do Ellen Furry H. Fr	emaker RH lis GrH GrH RH RH RH on Risser RH	8-2 3-4 4-3 4-1 5-2 4-2	305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581	3.5 4.2 3.8 4.2 4.3	724 724 706 698 687 723
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fi Milly Abraham Sh	emaker RH lis GrH GrH RH RH on Risser RH rey RH nelly Jr.	8-2 3-4 4-3 4-1 5-2 4-2 3-3	305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319	3.5 4.2 3.8 4.2 4.3 4.4 3.6	724 724 706 698 687 723
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & Do Ellen Furry H. Fi	emaker RH lis GrH GrH RH RH on Risser RH rey RH nelly Jr. GrH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11	305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853	3.5 4.2 3.8 4.2 4.3 4.4 3.6	724 726 698 687 723 722
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly	emaker RH dis GrH RH RH RH on Risser RH rey RH nelly Jr. GrH deman RH GrH	8-2 3-4 4-3 4-1 5-2 4-2 3-3	305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319	3.5 4.2 3.8 4.2 4.3 4.4 3.6	724 724 706 698 687 723
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy	emaker RH dis GrH RH RH RH on Risser RH rey RH nelly Jr. GrH deman RH GrH stetter RH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6	305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6	724 724 706 698 687 723 722 722
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fi Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M	emaker RH dis GrH RH RH RH on Risser RH rey RH nelly Jr. GrH deman RH GrH stetter RH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6	305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4	724 726 698 687 723 722 722 721 701
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fi Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21	emaker RH lis GrH GrH RH on Risser RH rey RH nelly Jr. GrH leman RH GrH stetter RH lusser & So GrH GrH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4	724 724 706 698 687 723 722 722 721 701
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No	emaker RH dis GrH RH RH RH on Risser RH rey RH deman RH deman RH destetter RH usser & So GrH GrH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5	724 724 706 698 687 723 722 722 721 701 720
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We	emaker RH GrH GrH RH RH ON Risser RH rey RH Helly Jr. GrH eman RH GrH stetter RH GrH dusser & So GrH GrH dusyer GrH aver GrH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6	724 724 706 698 687 723 722 722 721 701 720 720 715
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise	emaker RH GrH GrH RH RH ON Risser RH Tey RH Heman RH GrH Stetter RH GrH GrH GrH GrH GrH GrH Aver GrH Eby RH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3 4-1 6-8 4-5	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 3.4	724 724 706 698 687 723 722 722 721 701 720 720 715 719 719
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise Sherry Masonic Ho	emaker RH GrH GrH RH RH ON Risser RH rey RH Helly Jr. GrH leman RH GrH stetter RH GrH dstetter RH GrH dt RH Aver GrH Eby RH RH mes Farms	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3 4-1 6-8 4-5 5-10 s	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100 15,821	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 3.4 4.5	724 724 706 698 687 723 722 722 721 701 720 720 715 719 719 718 705
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise Sherry Masonic Ho Rrebecc J. Ray Rand	emaker RH GrH GrH RH RH ON Risser RH rey RH Helly Jr. GrH leman RH GrH ostetter RH GrH dstetter RH The GrH Stetter RH GrH Aver GrH Coy RH RH RH RH RH RH RA Ck	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3 4-1 6-8 4-5 5-10 s 7-2	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100 15,821 16,248	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 3.4 4.5 4.4	724 724 706 698 687 723 722 722 721 701 720 720 715 719 718 705 718
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise Sherry Masonic Ho Rrebecc J. Ray Ran Jingle Clyde M. Be	emaker RH GrH GrH RH RH RH ON Risser RH Tey RH Heman RH GrH Stetter RH USSER & So GrH GrH Aver GrH Eby RH RH Aver RH Aver RH Aver GrH Chy RH Chy RH Mes Farms RA ck GrH Uchen	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3 4-1 6-8 4-5 5-10 s 7-2 4-1	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100 15,821 16,248 17,810	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 4.4 4.5 4.0	724 724 706 698 687 723 722 722 721 701 720 715 719 719 718 705 718
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise Sherry Masonic Ho Rrebecc J. Ray Ran Jingle Clyde M. Be 164 Moll 144 Tess	emaker RH dis GrH GrH RH RH on Risser RH rey RH helly Jr. GrH deman RH GrH destetter RH fusser & So GrH GrH dt RH aver GrH Eby RH RH aver RH ck GrH dck GrH uchen RH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3 4-1 6-8 4-5 5-10 s 7-2	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100 15,821 16,248	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 3.4 4.5 4.4	724 724 706 698 687 723 722 722 721 701 720 720 715 719 718 705 718
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise Sherry Masonic Ho Rrebecc J. Ray Ran Jingle Clyde M. Be 164 Moll 144 Tess Sam & Alle	emaker RH dis GrH GrH RH RH on Risser RH rey RH helly Jr. GrH deman RH GrH destetter RH fusser & So GrH GrH dt RH aver GrH Eby RH RH aver RH ck GrH dck GrH uchen RH	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3 4-1 6-8 4-5 5-10 s 7-2 4-1 6-1	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100 15,821 16,248 17,810 16,356	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 4.4 4.5 4.4 4.0	724 724 706 698 687 723 722 722 721 701 720 715 719 719 718 705 718 717
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise Sherry Masonic Ho Rrebecc J. Ray Ran Jingle Clyde M. Br 164 Moll 144 Tess Sam & Alle Molly Robert L. S	emaker RH dis GrH GrH RH RH on Risser RH rey RH helly Jr. GrH deman RH GrH destetter RH dusser & So GrH GrH dt RH aver GrH Eby RH RH mes Farms RA ck GrH uchen RH RH n Kreider GrH helly	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 on 4-2 7-3 4-1 6-8 4-5 5-10 s 7-2 4-1 6-1 6-0 9-1	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100 15,821 16,248 17,810 16,356 17,732 20,012	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 3.4 4.5 4.4 4.0 4.4 3.9	724 724 706 698 687 723 722 722 721 701 720 715 719 719 718 705 718 717 693
Allan R. Sho Maud John L. Land 82 64 Babs 48 Sun 10 Harold & De Ellen Furry H. Fr Milly Abraham Sh Stubby Joseph Eshl Robin Dolly Isaac E. Ho Judy J. Harold M 46 Lori 21 Jonas S. No 3 Irvin B. We 32 Melvin R. E Elouise Sherry Masonic Ho Rrebecc J. Ray Ran Jingle Clyde M. Br 164 Moll 144 Tess Sam & Aller Molly Robert L. S Bubbles Carl L. Mar	emaker RH dis GrH RH RH RH on Risser RH rey RH helly Jr. GrH deman RH GrH destetter RH dusser & So GrH dry RH RH aver GrH Eby RH RH mes Farms RA ck GrH uchen RH RH n Kreider GrH helly RH ettin	8-2 3-4 4-3 4-1 5-2 4-2 3-3 4-11 4-2 4-0 4-6 0 4-6 7-3 4-1 6-8 4-5 5-10 8 7-2 4-1 6-1 6-0 9-1 7-6	305 305 305 305 305 305 305 305 305 305	20,709 17,442 18,787 16,796 15,882 16,581 20,319 19,853 18,126 16,057 20,475 17,329 19,920 18,182 16,822 21,100 15,821 16,248 17,810 16,356 17,732 20,012 16,822	3.5 4.2 3.8 4.2 4.3 4.4 3.6 3.6 4.0 4.4 3.5 4.2 3.6 4.0 4.3 3.4 4.5 4.4 4.0 4.4 3.9 3.6 4.2	724 724 706 698 687 723 722 722 721 701 720 715 719 719 718 705 718 717 693 714 714
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David L. La	ındis					
Diane	RH	5-6	305	18,490	3.8	706
Raymond M	. Weaver	1				
24	RH	7-6	305	19,466	3.6	705
John N. Shir	rk					
Trissy	RH	7-4	299	20,888	3.4	704
Raymond &	Louise W	/itmer				
Or Glo	RG	4-10	305	14,253	4.9	704
Allen Lee St	toltzfus					
Shirley	RH	5-6	305	19,366	3.6	702
Elvin Hess	Jr.					
Lisa	RH	9-5	305	18,165	3.9	701
E. Richard	Bruckhar	t				
Lark	RH	4-10	305	18,761	3.7	700
	(C	ontinued	on Page	13]		

FACTS FOR DAIRYMEN

N. Alan Bair Assistant County Agricultural Agent



Night Watchmen for **Heat Detection**

Ask a group of dairymen what their major production problem is and generally the answer will be "getting cows bred". With a little more questioning you will find that the major breeding problem costs account for 20-35 is "catching" the cows in heat. If this fits your situation, possibly what you need is a night watchman for heat detection.

Many dairymen with freestall systems have reported that they "catch" more cows in heat during late evening than at any other time of day. They make it a regular practice to spend several minutes just before bedtime observing their cows. If you are having trouble convincing yourself on a cold winter evening that this is a worthwhile practice, there is now some research to justify this bedtime observation.

In the research study mentioned above, it was found that 45 percent of all heat activity occurred between midnight and 6 a.m. Another 22 percent occurred between 6 p.m. and midnight. This leaves only 33 percent of all activity to be seen between 6 a.m. and 6 p.m. - when most observations for heat are made. It's easy to see how heats are missed, especially the short or weak heats.

Obviously it is not practical to observe your herd of cows constantly, but there are some important things you should be doing to improve heat detection: You should not attempt heat observation when the cows are eating, being milked, or otherwise disturbed; periods of observation should be scheduled at approximately equal intervals throughout the day to avoid missing the short heats; allow at least 10 mintues for each observation period: complete heat records are valuable in predicting when a cow is likely to come in heat; and yes, those late evening observations are desirable and pay off.

Profit Planning For 1975

Farm profits in 1975 are not expected to be much better than 1974. In fact, if present trends continue, profits could be less than 1974. Fred Hughes, Farm Management Specialist, recently reminded us that good farm managers will need to do some planning and pay more attention to details if profit levels are to be maintained. The specific areas dairymen should look at in more detail are:

Feed - Be sure you are feeding a least cost grain

ration. Compare feed grains on their feeding value. Also watch carefully the amount of grain fed. Give the high producers the lions share of the grain. Those cows producing under 30 pounds can get by with little more than good quality forage. Control the wasting of feed by rodents, faulty equip-

ment, and overfeeding.

Borrowed money - Keep your costs down by watching interest rates. Use a minimum of high interest dealer credit. Pay off short term debts as fast as possible but don't pay your low interest mortgage any faster than needed.

Machinery - All machine percent of total farm costs. Keep the costs down by making necessary repairs now to reduce costly down time and improve machine efficiency. Buy the machine to fit the job. Treat machinery like the high priced breakable item it is.

Fertilizer, Seed, Sprays -Use some caution in using these high priced items. Don't over fertilize - know your soils capabilities. Store and use these supplies so none is wasted. Use only the recommended amounts.

Crop Programs - In view of high feed costs every acre of land should be farmed to get maximum net returns. Use careful planning. dairymen the high cost of protein makes alfalfa a very valuable crop.

Fuel Costs - Fuel saving steps are always in order. Tune-up tractors and other vehicles to increase fuel efficiency. Reduce the number of trips necessary with some careful planning.

Labor - Hired labor willcontinue to cost more. Reconsider chore routes. bad habits and labor-say equipment to reduce labor needs.



TRAMISOL in feed knocks out four major lung and intestinal worms

AUREO SP 250 fights disease, rhinitis, scours and cervical abscesses

A healthier animal weighs in heavier everytime

Call us today for information about our WORM 'N GERM Program.



Stevens, Pa Ph 215-267-2150 or 717-733-2153