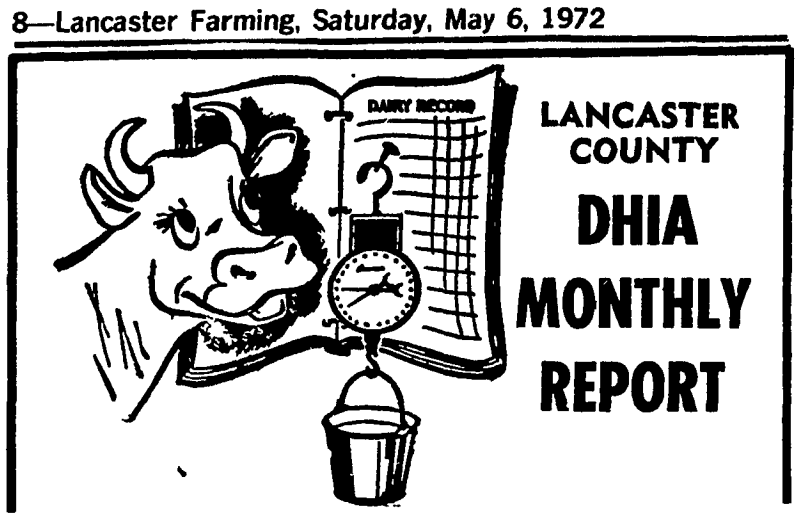


A Holstein cow owned by Mervin Nissley, Bainbridge, RD1, completed the highest 305 day lactation 3 produced 20,822 pounds of milk, 884 pounds of butterfat with a 4.2 per cent test. Second high lactation was completed by a Holstein cow owned by Paul S. Horning, Stevens RD1. Charlot produced 20,084 pounds of milk, 861 pounds of butterfat with a 4.3 per cent test in 305 days

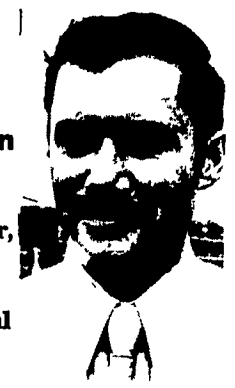
The herd of Ben K Stoltzfus, Gordonville RD1, had the highest daily butterfat average. This herd of 30 0 Registered and Grade Holstein cows averaged 60 4 pounds of milk, 2.23 pounds of butterfat with a 3 7 per cent test. The herd of Ben S. Stoltzfus, Honey Brook RD2, placed second. This herd of 42.0 Registered and Grade Holstein cows averaged 53 9 pounds of milk, 2.14 pounds of butterfat with a 4.0 per cent test.

FIRST 305 DAYS OF LACTATION WITH 620 OR MORE POUNDS OF BUTTERFAT

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Mervin Nissley						
3	GrH	4-5	305	20,822	4.2	884
Paul S Horning						
Charlot	GrH	4-4	305	20,084	4.3	861
Joy	GrH	3-3	305	19,777	3.5	685
Donald S. Eby						
Suzanne	RH	6-3	305	17,722	4.8	859
K B Jenny	RH	4-8	305	19,980	3.8	768
Dewdrop	RH	5-0	305	16,689	3.9	643
Herbert & Rhelda Royer						
Merri	RH	9-4	305	18,912	4.4	834
Button	RH	5-6	305	20,530	3.4	701
Dingalg	RH	4-9	305	14,481	4.6	660
Greeting	RH	5-3	305	14,858	4.2	622
Paul B Zimmerman						
Rosette	RH	4-7	305	19,300	4.3	825
Jill	RH	4-8	300	15,954	4.0	632
Lulu	RH	4-6	285	15,721	4.0	629
J Kenneth Hershey						
Janice	GrH	6-3	305	21,927	3.8	824
Carol	GrH	4-1	305	19,009	3.7	710
Marvin S. Nolt						
29	RH	4-6	305	19,885	4.0	786
James G. Kreider						
Model	RH	5-8	305	22,778	3.4	783
89	GrH	5-8	305	23,590	3.2	753
Samuel I. Esh						
Grace	RH	6-11	305	18,099	4.3	780
Carl L Martin						
Doris	RH	9-9	305	18,910	4.1	778
Robert Kauffman Jr.						
Ada	RH	6-3	305	16,913	4.6	772
Rufus G. Martin						
22	RH	9-0	305	19,807	3.9	768
15	RH	5-3	305	19,303	3.7	707
J Rohrer Witmer						
Adelaid	RBrSw	6-4	305	18,744	4.1	763
Nancy	RBrSw	6-8	305	15,594	4.0	628
Drumpuff	RBRSw	9-6	305	14,510	4.3	621
Paul N. Brubaker						
200	RH	6-10	305	17,736	4.3	759
M Irvin Eberly						
Nora	GrH	8-10	305	20,084	3.8	757
Sarah	RH	4-3	305	15,842	4.1	643
Kenneth E Zurin						
Dream	RH	8-3	305	19,181	3.9	750
Hope	RH	4-11	305	13,703	4.8	664
Harry G Kreider						
Beauty	RH	4-11	305	18,111	4.1	748
Nan	RH	2-9	305	18,404	3.9	722
Alta	GrH	10-0	305	17,837	3.5	631
Edwin K Wise						
Linda	RH	3-0	305	17,050	4.4	746
J Harold Musser & Son						
31	GrH	7-4	305	17,454	4.3	745
2 Joyce	RH	6-0	305	17,956	3.9	693
Pride 33	RH	8-6	305	20,308	3.1	629
Lulu 25	GrH	3-7	305	19.402	3.2	628
Samuel K Stoltzfus						
Lois	RH	8-2	305	20,770	3.6	741
Henry E Kettering						
Topper	RH	3-8	305	20,536	3.6	741
Aaron Lapp Jr.						
Gerry	GrH	8-0	305	18,893	3.9	736
John E. Kreider						
Thrush	RH	8-8	305	19,367	3.8	730
Robert F & Joan B. Book						
Sandy	RH	6-11	290	16,673	4.4	728
Star	RH	2-6	301	19,607	3.5	681
Toots	RH	5-3	305	16,882	3.8	641
Lester M Weaver						
60B	RH	6-8	305	19,033	3.8	726
68A	RH	6-8	305	17,661	4.0	698
Edwin J. Landis						
Mae	RH	6-1	305	18,199	4.0	725
Ben S. Stoltzfus						
Perseus	RH	8-2	305	18,080	4.0	719
S R Shellenberger						
Marge	GrH	5-4	305	18,907	3.8	716
Rachael	RH	6-8	305	15,693	4.6	716
Harmony	RH	7-6	300	14,539	4.5	651
Sally	GrH	4-8	279	12,707	4.9	624
Charles Tindall						
Pam	RH	6-6	283	17,222	4.1	713
Samuel F. King						
Janet	GrH	9-7	305	18,395	3.9	709
Rose	GrH	4-8	305	18,844	3.3	628
Melvin H. Ranck						
B. Beauty	RH	10-5	305	20,195	3.5	708
Willis M. Martin						
Jackie	GrH	5-5	305	18,927	3.7	706
Vixen	GrH	4-10	305	16,463	4.3	700
Aaron S. Glick & Sons						
21	GrH	8-7	305	17,986	3.9	706
106	RH	4-7	305	15,365	4.5	685
81	RH	5-0	305	18,781	3.5	660
46	RH	8-3	305	17,487	3.6	621
Harold L Risser						
Cristin	RH	3-6	305	15,663	4.5	704
L.O. & L R. Myers						
Patty	RH	8-7	301	17,874	3.9	703
Linda	RH	5-5	305	18,992	3.5	666
Ivan M. Hursh						
Piebe	GrH	4-8	305	16,902	4.1	701
Melvin R. Stoltzfus						
Karen	GrH	5-10	305	19,781	3.5	695
Calvin D. Beiler						
Esther	RH	4-5	305	16,549	4.2	694
Ivan Z. Martin						
Eva	RH	4-6	305	18,182	3.8	693
Esta	RH	5-0	305	16,080	3.9	620
John M. Harnish						
Lucinda	RH	6-2	305	17,316	4.0	693
Wanda	RH	7-2	305	16,110	3.9	630
Benjamin E. Kauffman						
Blacky	GrH	8-4	305	19,470	3.6	692
Allan R. Shoemaker						
Princes	RH	7-5	305	17,496	4.0	692
Wilmer G. Kraybill						
Lucy	RH	6-9	305	21,516	3.2	690
David B. King						
Ant	RH	5-1	305	17,746	3.9	686
Martin N. Heisey						
Mickie	RH	3-6	305	16,962	4.0	686
Ann	RH	10-8	305	17,299	3.7	632
Clarence S. Hilsher						
R 1 2	GrH	5-2	305	15,467	4.4	683
Willis S. Nolt						
Lisa	RH	6-10	305	17,707	3.9	682
Jonas E. Zook						
Sally	RH	9-2	305	15,238	4.5	682
Ginny	RH	9-2	284	17,366	3.6	623
LeRoy M. Oberholtzer						
Pauline	RH	5-5	305	19,072	3.6	681
Lloyd Wolf						
Lucy	RH	7-9	305	16,039	4,2	678
Posey	RH	3-9	305	15,114	4.4	665
John A. Harsh						
Jill	RH	5-6	283	17,152	3.9	677
Clair M. Hershey						
Tangie	RH	5-8	305	15,691	4.3	677
Penny	RH	5-3	305	16,306	4.1	664
Ernest J. Sauder						
Barbie	RH	3-2	305	18,473	3.7	675
Robert H. Kauffman						
Julie	RH	4-9	305	16,194	4.2	674
N. Gerhart & L. W. Nolt						
8	GrH	8-8	305	16,734	4.0	673
Christian K. Lapp						
Kitty	RH	3-9	305	16,995	4.0	672
C. Witmer Sherer						
Ivy	RH	5-4	305	16,399	4.1	671
Frank J. Yost						
Cookie	RH	9-5	305	16,904	4.0	669
Bennie	RH	8-6	305	16,321	4.0	653
Kenneth L. Beiler						
Pixie	RH	6-5	305	19,445	3.4	667
Cora	RH	5-3	298	17,575	3.7	653
Elvin H. Hess						
Kay	GrH	4-1	305	15,852	4.2	666
Loren L. Zimmerman						
Norma	RH	9-6	305	16,468	4.0	663
J. Robert Hess						
Rumba	RH	4-4	305	14,976	4.4	663
Lester J. Wiker						
Deeca	RH	5-1	305	17,274	3.8	662
Mary	RH	2-7	305	18,390	3.5	641
Harry S. Aungst						
Pam	RH	2-5	305	14,195	4.6	652
LeRoy S. Smucker						
Dolly	RH	7-1	305	20,712	3.1	650
Abraham Shelly Jr.						
Minnie	GrH	8-10	305	19,469	3.3	650
James W. Bowman						
Dolly	GrH	8-3	279	16,187	4.0	649
David W. Sweigart						
Racha 22	RH	6-5	305	18,066	3.6	648
Amos E. King Jr.						
Burke	RH	5-9	286	17,975	3.6	648
Robert L. Weaver						
Sally	RH	6-8	276	16,931	3.8	648
James A. Newcomer						
Wood	RH	6-5	300	16,897	3.8	648
Ira D. Welk & Sons						
Charlie	RH	5-10	305	16,690	3.9	648
Ivan S. Stoltzfus						
Beth	RH	5-3	305	15,953	4.1	648
G. M. Weaver						
32	RH	7-0	305	19,072	3.4	645
Elam P. Bollinger						
Wayne	RH	11-5	305	17,935	3.6	645
Romella Farms						
Lorine	RG	4-8	305	13,077	4.9	645
Marvin K. Witmer						
Carol	RH	4-6	305	13,524	4.8	644

(Continued On Page 9)

Facts for Dairymen



by N. Alan Bair, Assistant County Agricultural Agent

Heifers and Spring

I went to visit one of our good dairymen in the Millersville area a few days ago to ask him to serve on a special committee. Where do you find a dairymen on a bright spring day? Out in the pasture fixing fence. Where else?

Most dairymen are anxious to get those heifers out in pasture as soon as possible for a number of reasons. Not only are they overcrowded, but stored feed prices are plenty high this time of year.

But before you send those heifers out to feed for themselves, take just a precious minute of corn planting time and give the heifers their "spring check-up." Have they had pregnancy checks? Are they all identified with a neck chain or some other visible identification so when one of them does need individual attention she can be identified at a distance.

Be sure to keep an accurate record of which animals are located where. It is somewhat embarrassing to have a neighbor tell you one of your heifers is in with his and you can't tell him which one is missing!

Observe the general health of the animals also. Is there a parasite problem? Hooves in need of some trimming? What about warts?

The pasture itself should be checked carefully. Just because it was in good shape last fall does not mean the same is true now. How many trees have fallen across the fence over the winter? Surely that old foundation in the corner of the pasture is safe!

Of course the water supply is uncontaminated and ample for the number of heifers. Don't forget to fill the mineral bins. Even with good pasture, some hay the first few weeks would help make the transition easier.

And lastly, when you do finally put them out, observe them often the first few hours. Frisky heifers seem to have a way of getting in trouble no matter how careful we are.

Mineral Supplements for Dairy Cattle

There is a common belief among dairymen that a cow or heifer will select the minerals she needs if they are provided free-choice. Harvey Shaffer from Penn State tells us a recent study at Cornell that tends to disprove this. Sixty-nine cows were divided into four groups, then fed four different rations, all containing ample amounts of calcium and phosphorus. Each group had access to separate calcium and phosphorus supplements. All of the cows consumed some of each supplement, although there were wide differences in the amounts consumed.

The same research workers conducted a similar study using dairy heifers.Rations were fed which contained calcium and phosphorus in varying amounts and in different ratios. They found that the heifers were not able to select free-choice minerals in the amounts actually needed. They also found little relationship between the Ca-P ratio in the feed and amounts of free-choice minerals consumed.

This study emphasizes the importance of adding minerals to the grain ration as needed. All grain mixtures fed to dairy animals should contain added calcium and-or phosphorus. They

(Continued On Page 9)