



Note: The June DHIA report was unavailable for publication.

A Holstein cow owned by Titus B. Stoner, 3207 Bowman Road, Landisville, completed the highest 305 day lactation. Hector produced 22,850 pounds of milk, 864 pounds of butterfat with a 3.8 percent test. A Holstein cow owned by Lester M. Weaver, Quarryville RD1, placed second. 83B produced 19,736 pounds of milk, 849 pounds of butterfat with a 4.3 percent test in 305 days.

The herd of Rufus G. Martin, Ephrata RD3, had the highest daily butterfat average. This herd of 25.0 Registered Holstein cows averaged 62.4 pounds of milk, 2.26 pounds of butterfat with a 3.6 percent test. The herd of Amos and Eleanor Hershey, Kinzers RD1, placed second. This herd of 26.0 Registered and Grade Holstein cows averaged 41.8 pounds of milk, 1.88 pounds of butterfat with a 4.5 percent test.

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

Owner's Name	Breed	Age	Days	Milk	Test	Fat
Titus B. Stoner						
Hector	GrH	3-1	305	22,850	3.8	864
Trinket	RH	5-6	305	17,854	3.5	624
Lester M. Weaver						
83B	GrH	4-8	305	19,736	4.3	849
44B	RH	8-1	305	20,478	3.6	729
110	RH	6-11	305	16,983	3.9	670
33B	RH	7-11	305	17,355	3.8	658
450	RH	4-0	305	17,832	3.6	638
250	RH	4-7	305	17,561	3.6	632
Donald Eby						
Stephen	RH	6-6	305	19,827	4.0	796
Dewdrop	RH	6-4	305	17,164	3.9	663
J. Earl Horst						
Karen	RH	6-5	305	22,743	3.5	798
John S. Wenger						
Florence 44	RH	5-1	278	17,785	4.4	786
Carli 30	RH	10-0	305	14,892	4.3	635
J. Kenneth Hershey						
Lady	RH	4-1	305	15,729	5.0	782
Sharon	RH	7-6	305	19,389	3.8	730
Clyde W. Martin						
Piebe	RH	3-9	305	20,300	3.8	777
Kit	RH	3-8	305	15,770	4.2	665
Rosa	GrH	11-6	305	15,888	4.2	663
Dotty	RH	4-7	305	18,185	3.6	659
Roxy	RH	5-9	305	18,186	3.6	655
Sorry	RH	4-10	305	15,155	4.2	629
Aaron E. Beiler						
Topper	RH	3-11	305	16,295	4.8	776
Samuel F. Long						
Bert	RH	4-1	305	19,098	4.0	768
Dawn	RH	2-3	305	18,447	3.5	651
Sunny Craft Farm						
Fae	RH	5-7	305	19,485	3.9	765
David L. Landis						
Bess	RH	5-9	305	19,238	3.9	659
J. Ray Ranck						
Tina	GrH	7-7	380	15,577	4.8	753
Maggie	GrH	2-7	305	13,566	4.8	651
Christian Zook						
Laura	RH	4-10	305	17,432	4.3	752
Ben S. Stoltzfus						
Renee	RH	5-2	305	17,885	4.2	750
Whity	GrH	8-1	304	15,835	4.0	641
John Omar Stoltzfus						
Sally	RH	6-1	305	17,939	4.2	746
Betsy	RH	3-8	305	16,572	3.9	654
Arthur D. Wenger						
Rocket	RH	4-6	305	15,694	4.8	746
Marian	RH	8-11	305	17,913	3.6	642
D. George Beiler						
Melba	RH	7-9	305	20,996	3.5	744
J. Harold Musser & Son						
Sandy	RH	8-6	303	17,202	4.3	739
45	GrH	2-11	305	19,750	3.4	667
Divi 18	RH	3-3	305	17,754	3.7	649
Darle 50	RH	4-10	298	16,161	4.0	647
Ivan Z. Martin						
Emmy	RH	4-2	305	17,980	4.1	737
Betty	RH	5-7	305	19,421	3.3	638
Jonas B. Lantz						
Echo	RH	4-4	305	17,948	4.0	725
John C. Metzler						
Fannie	RH	5-4	305	17,761	4.1	725

Louise	RH	2-9	305	19,329	3.5	674
Reuben Z. Smoker						
Jo	RH	7-1	305	18,346	3.9	723
Galen W. Crouse						
Glamour	RH	2-8	305	18,425	3.9	715
Masterpiece	RH	5-10	305	18,522	3.6	665
Lill	GrH	4-8	305	14,515	4.6	662
Rachel	RH	9-10	305	17,285	3.8	656
Olive	RH	4-2	305	17,919	3.7	655
John P. Lapp						
Queen	RH	5-3	305	17,183	4.2	714
Janet	RH	3-7	305	15,302	4.6	697
Kimberl.	RH	5-9	305	19,478	3.5	691
Willis M. Martin						
Ruth	RH	5-1	305	15,828	4.5	712
Elsie	RH	5-8	270	26,677	4.1	687
John M. Harnish						
Sandra	RH	3-1	305	15,838	4.5	708
Lorie	RH	2-10	305	18,379	3.4	625
J. Eby Hershey						
Sylvia	RH	5-9	305	17,653	4.0	707
Calvin D. Beiler						
Emma	RH	5-2	305	15,942	4.4	704
Roy H. & Ruth H. Book						
Jill	RH	5-7	303	19,788	3.5	700
Paul V. Nissley						
Strawby	GrH	5-10	305	22,020	3.2	698
Rusty	GrH	9-8	305	15,597	4.1	644
Rae	GrH	4-5	303	14,930	4.3	637
Kreisle & Lehman						
May	GrH	6-8	305	17,566	4.0	696
Nathan G. Stoltzfus						
Polly	RH	7-10	305	12,525	5.6	698
Robert Kauffman Jr.						
Wendy	GrH	8-7	305	19,381	3.6	697
Harry S. Mumma						
Jewel A	RH	9-4	305	17,597	3.9	694
Edgefield Farms						
Clara	RH	4-5	305	16,459	4.2	694
Nelson H. Wenger						
Paula	RH	3-7	305	18,096	3.8	690
J. Floyd Kreider						
Marion	RH	6-10	305	16,679	4.1	686
Marvin S. Nolt						
36	RH	4-7	305	16,929	4.0	685
59	RH	3-9	305	17,226	3.6	620
J. Z. Nolt						
Ozzie	RH	9-11	275	16,475	4.2	685
Elmer E. Kauffman						
Emmy	RH	7-1	305	21,395	3.2	682
Ezra M. Martin						
Say	RH	4-6	305	16,344	4.2	682
John L. Beiler						
Rachel	GrH	3-11	305	15,479	4.4	680
Peggy	GrH	5-6	305	21,299	3.2	678
Roy C. Neff						
Pam	RH	4-4	305	17,142	4.0	679
Curtis E. Akers						
Violet	RH	7-9	305	16,755	4.1	679
Bess	RH	3-11	305	14,585	4.5	657
Vesta	RH	4-0	300	15,135	4.2	642
Una	RH	3-11	301	17,822	3.6	641
Terry	RH	5-6	281	17,102	3.7	628
Ivan S. Stoltzfus						
Burkke	RH	4-5	273	15,359	4.4	679
Citation	RH	12-0	241	17,427	3.8	663
J. Rohrer Witmer						
Randee	RBrSw	4-5	305	16,640	4.1	678
Harry S. Aungst						
Pam	RH	3-8	300	14,707	4.6	678
Kelly	RH	6-6	305	12,697	5.0	638
Marcy	RH	5-10	305	17,121	3.6	622
Herky	RH	8-10	305	15,662	4.0	621
Robert & Joan B. Book						
Chris	RH	5-6	305	18,735	3.6	677
Glenn E. Burkholder						
Sparky	RH	6-8	294	16,410	4.1	673
Minnie	RH	7-9	296	13,370	4.9	658
Dinah	RH	9-0	305	13,468	4.9	656
Aaron S. Beiler						
Helen	GrH	3-11	305	14,981	4.5	673
S. R. Shellenberger						
Sandy	RH	7-3	305	16,169	4.1	668
Cora	RH	3-8	305	15,815	4.0	639
Noah Kreider & Sons						
102	GrH	5-9	305	15,729	4.2	668
Kenneth L. Beiler						
Midnite	RH	3-2	305	17,876	3.7	667
Thomas C. Lapp						
Lilly	RH	4-9	305	17,371	3.8	667
Sharlet	RH	5-9	305	15,513	4.3	663
Albert Breneman						
Jane	RH	4-6	305	14,828	4.5	664
Elam P. Bollinger						
Rainbo	RH	3-7	305	18,146	3.7	663

(Continued On Page 19)

Facts for Dairymen

by
N. Alan Blair,
Assistant
County
Agriculture
Agent

Rapid Growth and Early Calving Are Important in Dairy Heifers

A long range study of various dairy management practices is nearing completion at The Pennsylvania State University.

The study was started several years ago by Harvey E. Shaffer, Extension dairy specialist and was designed to determine the effects of certain management practices on the performance of cows throughout their entire lifetime. The study involved 2,365 Holstein cows, all starting as first-calf heifers in 1961 and they were in 217 herds selected at random. Of the cows, 17 are still living, but some conclusions can safely be drawn at this time.

Two of the factors being studied are age and weight of heifers at first freshening. Although the weights were no doubt estimated in most instances, the data clearly show that first-calf heifers weighing 1,100 pounds are more efficient producers than those that are either larger or smaller. They live longer, produce more milk in their lifetime, and have a higher average production per day of life. It might be assumed that many of the heavier heifers were too fat and it is possible that 1,200 pound heifers would perform better if they were grown properly. However, this is speculation.

The study also shows a definite advantage for heifers freshened at an early age, even as young as 22 months. It is true that older heifers at first calving actually live longer, but for each additional month of age at first calving, there is a gain of only about 20 days in total life. In terms of total lifetime production and production per day of life, there is a definite and marked advantage for heifers freshened at 24 months or younger.

When we consider the combined effects of age and weight, the results are even more interesting. The most efficient combination of age and weight was 24 months and less at a weight of 1,100 pounds. These cows produced an average of 24.97 pounds per day of total life (figured from birth). The second highest average was 23.69 pounds per day for heifers 25-26 months old and weighing 1,200 pounds. Next highest was the group 25-26 months old weighing 1,100 pounds with an average of 22.95 pounds per day. By contrast, the heifers freshened at 31-32 months of age and weighing only 1,100 pounds averaged just 19.10 pounds per day.

These differences in production per day are much more important than they appear at first glance. If we compare the two groups of 1,100-pound heifers mentioned above, we note that those calving at 24 months or less averaged 2.02 pounds per day (24.97-22.95) more than those calving at 25-26 months of age. However, this becomes a difference of 4,357 pounds during the total lifetime and, if milk sells for \$6.50 per hundredweight, it has a value of \$283. In other words, this is the additional income which can be realized by achieving 1,100 pounds body weight two or three months sooner. The value of a good calf and heifer raising program cannot be over-emphasized.

Washing Inflation
In Milking Parlor
Present requirements of the

(Continued On Page 19)