



A Registered Holstein cow owned by Samuel I. Esh, Gordonville RD1, completed the highest 305 lactation. Cora produced 21,952 pounds of milk, 877 pounds of butterfat with a 4.0 percent test. Second high lactation was completed by a Registered Holstein cow owned by Nathan E. Stoltzfus, Gap RD2. Geraldine produced 18,863 pounds of milk, 854 pounds of butterfat with a 4.5 percent test in 305 days.

The herd of Rufus G. Martin, Ephrata RD3, had the highest daily butterfat average. This herd of 25.1 Registered Holstein cows averaged 65.2 pounds of milk, 2.32 pounds of butterfat with a 3.6 percent test. The herd of Allan R. Shoemaker, Kirkwood RD1, placed second. This herd of 42.8 Registered and Grade Holstein cows averaged 54.1 pounds of milk, 2.05 pounds of butterfat with a 3.8 percent test.

First 305 Days of Lactation with 600 or More Pounds of Butterfat.

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Samuel I Esh						
Cora	RH	6-4	305	21,952	4.0	877
Nathan E. Stoltzfus						
Geraldine	RH	6-1	305	18,863	4.5	854
Ellis D. Kreider						
R 25	GrH	6-10	305	17,333	4.5	783
R 4	GrH	8-8	305	18,052	3.5	630
Harold & Don Risser						
Ida	RH	4-8	305	18,252	4.2	769
Paul H. Hursh						
Susan	RH	4-11	305	16,802	4.5	762
J. Ray Ranck						
Trixy	GrH	5-5	292	16,615	4.6	762
Paul B. Zimmerman						
Rosette	RH	5-9	298	16,059	4.7	751
John M. Smucker						
Dixie	RH	6-8	305	19,226	3.8	737
Ivan S. Stoltzfus						
Beth	RH	6-6	305	16,316	4.5	735
John B. Groff						
Connie	RH	4-7	291	18,040	4.1	732
Rachel	RH	5-7	278	16,689	4.2	696
Henry S. DeLong						
103	RH	5-5	305	16,114	4.5	732
Rufus G. Martin						
15	RH	6-6	305	19,555	3.7	727
Curtis E. Akers						
Inky	RH	2-10	305	17,562	4.1	727
Topsy	RH	4-3	305	19,061	3.8	721
Pearl	RH	4-5	305	15,648	4.1	641
Mandy	GrH	4-4	305	15,620	3.8	600
Willis M. Martin						
Bets	RH	6-10	305	17,200	4.2	723
M. Irvin Eberly						
Nora	GrH	10-0	305	17,768	4.0	717
James W. Bowman						
Dolly	GrH	9-3	305	17,740	4.0	716
Blackie	GrH	6-4	299	14,118	4.8	680
Lloyd Wolf						
Ellen	RH	4-10	305	20,067	3.6	715
Delight	RH	2-7	305	17,701	3.9	688
Tammy	RH	3-10	305	15,195	4.5	684
Earl E. Martin						
Julie	RH	3-7	305	16,457	4.3	711
Kate	RH	3-8	305	15,533	3.9	612
Robert L. Weaver						
Lucy	RH	2-11	305	18,598	3.8	709
Penny	GrH	3-1	305	16,881	3.6	604
R. Edwim Harnish						
Sue	RH	5-5	305	18,392	3.8	707
Cletus A. Balmer						
Tulip	GrH	3-8	305	15,955	4.4	705
Hiram S. Aungst						
Spotty	RH	5-0	305	13,385	5.2	701
Polly	RH	8-9	305	17,274	3.9	666
Warren Bollinger						
30	RH	8-9	305	17,821	3.9	698
S. R. Shellenberger						
Pixie	GrH	9-10	305	16,404	4.2	697
Doris	GrH	13-0	305	14,771	4.4	652
Arthur L. Breneman						
Madge	RG	4-11	305	12,739	5.5	697
Ellis R. Denlinger						
June	RH	4-0	305	13,783	5.0	696
Carl L. Martin						
Dixie	RH	9-7	305	18,651	3.7	694
Gaiety	RH	3-8	305	16,949	4.0	682

Martha	RH	7-8	300	14,772	4.4	645
Robert & Richard Landis						
Judy	RH	8-6	305	19,795	3.5	692
Robert D. Harnish						
Kim	GrH	4-0	305	20,580	3.4	691
Ammon E. Reiff						
Pearl	GrH	6-9	305	18,737	3.7	690
Roy H. & Ruth H. Book						
Connie	RH	9-2	305	16,092	4.3	687
Martin H. Good						
Jane	RH	6-6	305	14,457	4.8	687
Elmer E. Kauffman						
Cocoa	RH	5-3	305	19,678	3.5	686
Janice	RH	7-6	305	17,108	4.0	676
Della	RH	4-7	305	15,076	4.2	627
Lancaster Mennonite Hospital						
Rorie	RH	5-3	305	18,399	3.7	686
E. Richard Bruckhart						
Evie	RH	4-9	299	15,568	4.4	682
Ben S. Stoltzfus						
Della	RH	2-10	305	16,312	4.2	679
Donald S. Eby						
Hattie	RH	7-5	305	16,989	4.0	678
Nelson H. Wenger						
Boots	H		305	21,547	3.1	677
Henry B. Leaman						
Jill	RH	6-11	305	17,198	3.9	676
John U. Lapp						
Mistress	RH	2-7	305	16,240	4.2	676
Kreisle & Lehman						
Nick	RH	5-0	305	17,714	3.8	674
Tracey	RH	5-6	305	18,459	3.6	671
Samuel K. Stoltzfus						
Lois	RH	9-4	305	19,473	3.5	672
Jay C. Garber						
I Gol	RH	4-0	305	18,762	3.6	670
Roy Z. & Henry Z. Eby						
23	RH	5-1	292	17,503	3.8	669
John Omar Stoltzfus						
Lesia	RH	4-4	305	17,150	3.9	669
Ormsby	RH	2-6	305	14,794	4.1	605
Melvin L. Beiler						
Sputnic	RH	4-4	305	17,125	3.9	667
Raymond W. Burkholder						
5	RH	8-0	305	16,954	3.9	667
Andrews & Bartsch						
Janet	RH	3-8	305	15,018	4.4	667
Mazie	RH	4-7	305	17,021	3.6	607
J. Z. Nolt						
Bell	RH	3-6	305	16,170	4.1	666
Sunny Craft Farm						
Kay	RH	10-6	292	16,137	4.1	666
J. Mowery Frey						
Glenda	RH	5-0	305	15,565	4.3	666
Reuben L. Stoltzfus						
Flossie	GrH	4-3	282	14,894	4.5	666
John & Elam Rutt						
Ada	RH	3-10	305	16,950	3.9	665
Elaine	RH	6-7	305	18,220	3.5	645
Earl L. Hershey						
157	RH	5-2	305	17,031	3.9	661
156	RH	5-2	296	18,287	3.6	659
Ezra M. Martin						
Emma	RH	6-4	305	14,574	4.5	661
Thomas C. Lapp						
Beatric	RH	7-5	305	15,672	4.2	659
Charm	RH	5-0	305	14,681	4.3	627
Melvin R. Eby						
Brenda	RH	4-2	305	17,129	3.8	657
Bloom	RH	6-4	305	17,520	3.7	646
Christian Zook						
Viola	GrH	3-3	305	13,992	4.7	655
Christ E. Stoltzfus						
Bess	GrH	6-8	305	19,372	3.4	653
Romella Farms						
Doris	RG	8-10	305	13,744	4.7	647
J. Rohrer Witmer						
PG	RBrSw	9-11	305	15,006	4.3	616
Redwing	RBrSw	4-1	305	15,816	4.0	636
Leon S. Lapp						
Gloria	RH	4-2	305	15,379	4.2	642
Ivan M. Hursh						
Patsy	RH	7-0	305	13,925	4.6	641
Allan R. Shoemaker						
Lucy	RH	5-4	288	14,079	4.5	638
Reid & Holloway						
120	GrH	5-9	305	13,444	4.7	634
Samuel M. Martin Jr.						
Robin	GrH	4-8	305	13,284	4.8	634
B. F. & Mary Eshelman						
Bell 108	RH	5-5	305	16,829	3.8	633
David S. Smucker						
Georgi	RH	4-9	305	17,449	3.6	632
Liz	GrH	4-5	305	14,493	4.3	627
Raymond & Louise Witmer						
Lily	RG	5-9	305	11,128	5.7	630

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Facts
for
Dairymen
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High Production and Profit
For the past six months it has been difficult to talk to a dairyman or a group of dairymen for more than five minutes without the high cost of feed being mentioned. The statement is often made: "I can't afford to feed my cows to milk at top production." Oh yeah - better take another look.

The real question is: "Is high production profitable?" In these days of high feed prices, I'm sure many dairymen have asked this question many times as they feed old Bessie. To help you get some answers to this question, let's look at last year's D.H.I.A. records.

By grouping Pennsylvania herds according to level of production, we find 629 herds averaging 9,683 pounds of milk per cow, 2,531 herds averaging 13,155 pounds of milk and 564 herds with production above the 16,000 pound level.

We all know that it requires a certain amount of feed to maintain body weight and carry on regular body processes such as growth and reproduction. Although increases in production call for more feed, the additional amount required, as measured by feed cost, does not double if production doubles.

The feed cost for the lower producing group was \$278 per cow. The group averaging 13,000 pounds per cow was 35 percent higher but the feed cost only went up 19 percent. The high group with 16,000 pounds was up an additional 22 percent in production with only an 11 percent increase in feed cost.

It is well established that feed cost is one half the total cost of production. As production increases, income above feed cost increases and profits go up too. The profit for the 9,600 pound cow is \$107 compared to \$297 for the 16,000 pound cow. We must recognize that feed prices are higher and the margin between feed cost and milk price is narrower. These figures do point to the fact that it still is profitable to keep good cows and manage them for top production.

Feeding Sour Colostrum
Sour or fermented colostrum as a calf feed has caught the interest of many dairymen in the county. Gallons of fresh colostrum that once was dumped in the gutter are now being poured into a 20 to 30 gallon plastic garbage can to sour. It appears to be a great food, calves like it, but how to properly store and feed it has prompted many questions.

Don Ace, Extension Dairy Specialist at Penn State, reports that research on composite samples of colostrum milk show total solids about 1-1.3 times that of normal milk. Fat and protein are about two times higher and levels of iron, copper, cobalt, calcium, magnesium, sodium, phosphorus and vitamin A are elevated. One pound of colostrum milk may be considered equal to one and one-third pounds of normal whole milk.

The following points, according to research reports from Scotland and South Africa, plus local observation, would appear to be valid recommendations if dairymen want to try fermenting and feeding surplus colostrum.

1. Store milk in a plastic container or any type container that will not corrode.
2. Allow colostrum to sour (ferment) naturally.
3. Colostrum from several cows

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