



A Registered Holstein cow owned by Ernest J. Sauder, 924 Silver Spring Road, Lancaster, completed the highest 305 day lactation. Rema produced 21,877 pounds of milk, 955 pounds of butterfat with a 4.4 percent test. Second high lactation was completed by a Registered Holstein cow owned by Allan R. Shoemaker, Kirkwood RD1. Princess produced 20,834 pounds of milk, 942 pounds of butterfat with a 4.5 percent test in 305 days.

The herd of J. Z. Nolt, Leola RD1, had the highest daily butterfat average. This herd of 34.5 Registered Holstein cows averaged 50.7 pounds of milk, 1.85 pounds of butterfat with a 3.6 percent test. The herd of Hiram S. Aungst, Elizabethtown RD1, placed second. This herd of 43.8 Registered Holstein cows averaged 45.8 pounds of milk, 1.76 pounds of butterfat with a 3.8 percent test.

FIRST 305 DAYS OF LACTATION
WITH 670 OR MORE POUNDS OF BUTTERFAT

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Ernest J. Sauder						
Rema	RH	6-0	305	21,877	4.4	955
Allan R. Shoemaker						
Princess	RH	8-9	305	20,834	4.5	942
Pat	RH	4-0	301	17,292	3.9	676
Maud	RH	6-10	305	18,602	3.6	672
John N. Shirk						
Lass	RH	5-7	305	22,604	4.1	936
Trissy	RH	6-1	305	22,302	3.5	789
Agnes	RH	7-8	290	20,021	3.9	781
Paul B. Zimmerman						
Rosane	RH	6-0	305	20,100	4.6	924
Pride	RH	5-10	305	21,283	3.8	806
Irma	RH	3-5	305	20,448	3.6	726
Daniel M. Stoltzfus						
Pioneer	RH	5-6	305	20,368	4.4	899
Martha	GrH	9-0	305	16,827	4.3	731
John P. Lapp						
Penny	GrH	5-6	305	23,095	3.9	896
Bucky	RH	5-6	296	17,924	4.2	756
John P. Lapp						
Eldora	RH	4-9	305	17,531	3.9	686
Elmer E. Kauffman						
Roxanne	RH	9-3	305	21,829	4.1	894
Manda	RH	5-8	305	16,489	4.8	793
Thomas C. Lapp						
Banostn	RH	6-4	305	21,110	4.2	894
J. Mowery Frey Jr.						
Rachel	RH	5-8	305	21,134	4.1	865
Carmela	RH	5-2	282	18,808	4.3	813
Teresa	RH	4-8	305	15,559	4.3	676
Hiram S. Aungst						
Joan	RH	4-10	305	19,795	4.4	865
7 Up	RH	4-3	305	18,059	4.0	729
Curtis E. Akers						
Trixie	RH	5-0	305	22,951	3.8	862
Sarah	RH	4-0	288	16,919	4.4	738
Pauline	RH	4-3	276	18,576	3.9	732
Anita	RH	5-4	305	15,085	4.8	731
J. Harold Musser & Son						
41	GrH	3-3	305	19,630	4.3	839
30	GrH	8-0	305	18,433	3.9	715
James G. Kreider						
Prilly 32	RH	9-1	305	21,137	3.8	811
54	GrH	8-0	305	17,663	3.9	692
143	GrH	8-0	305	16,035	4.2	679
Reuben Z. Smoker						
Bonnie	RH	7-5	305	19,459	4.1	806
Reba	GrH	5-11	305	16,729	4.3	724
Robert Kauffman Jr.						
Ada	RH	7-8	305	17,195	4.7	803
Valerie	GrH	5-0	305	14,928	4.6	693
Elhs D. Kreider						
Marge	GrH	9-9	305	20,042	3.9	791
48	GrH	5-0	305	15,720	4.5	713
Nathan E. Stoltzfus						
Kathy	RH	4-4	305	19,937	3.9	783
Edgefield Farms						
Sharon	RH	9-4	305	18,743	4.2	783
Sally	GrH	4-7	305	17,911	4.0	723
R. Edwin Harnish						
Tinkles	RH	8-1	305	18,611	4.2	782
Mary	RH	5-3	305	15,673	4.5	702
Patches	GrH	3-11	305	17,144	3.9	675
Ivan S. Stoltzfus						

Debra	GrH	4-5	305	16,927	4.6	782
Robert L. Shelly						
Princes	RH	5-11	305	22,179	3.5	778
Bubbles	RH	6-2	305	18,175	4.2	758
John S. Yost						
Donna	RH	5-2	275	15,627	5.0	778
Paul E. Martin						
Pet	RH	5-8	305	17,463	4.4	775
Etta	RH	3-3	305	15,854	4.3	678
Paul S. Horning						
Bernice	GrH	6-1	300	20,788	3.7	772
Charm		4-4	305	18,730	3.6	683
Jay E. Landis						
Kingpin	RH	6-11	305	19,319	4.0	772
Arlene S. Longenecker						
Janice	RH	5-8	305	16,789	4.6	768
Ivan Z. Martin						
Sandy	RH	5-9	305	20,540	3.7	766
Samuel I. Esh						
Doris	RH	5-8	305	17,723	4.3	766
Jennie	RH	8-6	305	17,990	3.7	671
Donna	RH	5-8	305	17,039	3.9	671
Lloyd Wolf						
Flossie	GrH	6-2	305	18,847	4.0	763
Lonnie	RH	6-9	305	17,468	4.1	719
Clyde W. Martin						
Anita	RH	7-2	305	21,777	3.5	760
Dixie	RH	3-8	305	17,411	4.4	759
Beauty	RH	5-10	305	22,164	3.3	740
Babe	RH	3-8	305	17,821	3.8	675
Donna	RH	3-5	305	17,665	3.8	673
J. Z. Nolt						
Lou	RH	11-2	294	20,234	3.7	757
John C. Metzler						
Bonita	RH	4-8	305	16,303	4.6	757
Deborah	RH	10-8	305	18,534	3.9	726
Jesse G. Balmer						
Cocoa	RG	5-9	305	14,377	5.2	754
Stephen J. Stoltzfus						
Gal	RH	8-7	305	18,295	4.1	753
Dale E. Hiestand						
Orna	RH	5-9	305	19,614	3.8	752
Gail	RH	8-1	305	16,194	4.4	707
Susie	RH	14-1	305	17,358	3.9	676
Robert F. & Joan B. Book						
Madge	RH	3-7	298	16,949	4.4	752
John B. Groff						
Jule	RH	3-1	305	16,939	4.4	752
Donna	RH	5-6	302	18,080	4.1	744
81	GrH	4-1	298	16,833	4.1	686
Raymond W. Burkholder						
73	GrH	3-1	305	17,062	4.4	749
C. Witmer Sherer						
Jill	RH	4-11	305	19,046	3.9	745
Ivy	RH	6-7	305	16,997	4.1	705
Lester M. Weaver						
107	GrH	4-0	305	20,057	3.7	744
102	RH	8-4	305	16,597	4.4	725
76B	RH	5-0	305	20,086	3.5	700
103	RH	4-7	305	16,257	4.2	686
92A	RH	3-4	305	19,380	3.5	679
Lester J. Wiker						
Maggie	GrH	5-11	305	17,776	4.2	744
Aaron K. Stoltzfus						
Daisy	RH	5-11	305	20,379	3.6	741
Henry E. Kettering						
Eileen	RH	5-2	305	17,379	4.3	741
Topper	RH	5-1	305	19,193	3.8	730
Elmer S. Myers						
Sopha 98	GrH	4-5	305	16,865	4.4	739
Gert 86	RH	4-3	305	16,429	4.3	699
Parke H. Ranck						
Pamela	RH	8-5	305	16,489	4.5	736
Christ R. Beiler						
Beulah	GrH	5-10	305	17,927	4.1	735
John M. Smucker						
Honey	RH	4-3	305	16,851	4.4	734
Red Rose Research Center						
Leah	RH	7-6	305	18,848	3.8	724
Jane	RH	3-4	305	17,101	4.0	677
Harry S. Mumma						
Kit	GrH	4-11	301	19,310	3.7	722
Leon S. Lapp						
May	GrH	5-11	305	17,052	4.2	721
Quarryville Presbyterian Home & Vernon Weaver						
196	RH	2-1	305	15,089	4.8	719
William F. Guhl						
6711	GrH	5-0	305	21,237	3.4	717
David L. Landis						
Cindy	RH	5-6	305	18,109	4.0	717
Glenn C. Hershey						
Elaine	RH	5-9	305	20,394	3.5	715
Amos & Eleanor Hershey						
Ada	RH	4-2	305	15,240	4.7	714
Beauty	RH	7-3	258	15,068	4.7	707
Debbie	RH	6-0	305	16,310	4.1	674

(Continued On Page 21)

Facts
for
Dairymen

by
N. Alan Bair
Assistant
County
Agricultura
Agent



From Nutrition to Economics.
O how I wish I had a good simple answer to the question of how to adequately and economically feed our friend the dairy cow in the coming months. Feeding the dairy cow has never been simple, but with the current high production we expect, and the off-beat (all corn silage for instance) feeding programs we work with, and the high value of feed ingredients, formulating workable reations now become a nightmare.

No matter what the circumstance, there are three basic considerations in feeding the cow: (1) nutritional or chemical needs, (2) physical needs, and (3) economics. If you plan to stay in the dairy business, you better pay attention to all three areas when it comes to feeding.

The nutritional or chemical needs of the cow are well known and have been documented for many years. To balance a ration, it's simply a matter of putting together a combination of feed ingredients to come up with the total requirements. Sounds simple enough, but it is a big enough job to give even a computer a struggle

The physical needs of a cow were automatically taken care of before man, with his great wisdom, started feeding a lot of high powered and now high priced grain. To keep the rumen working properly we must furnish 60-80 percent of the total dry matter intake as forage. With low forage and fiber intake, that great muscle we call the rumen, gets very lazy and we have a cow that is not normal inside. Believe me, we don't have to be inside the cow to witness the retults!

Our third consideration, economics, has been discussed at great lengths these past few months because of a change from our past prices. But with all the talking, have you taken the time to critically look at your tradition-based dairy ration to see if it could be made more economical and still meet the other two considerations?

Few persons feeding cows daily have the patience, background or time to calculate a feeding program that will meet all three considerations, but these same persons should be sure that the job gets done and done properly. You can't afford not to. You can and must evaluate your assets such as available forages and possibly grains and then consider some professional help in assessing your particular situation.

It all boils down to testing your forages and assessing the additional feeds available to come up with a least cost ration for your cows. You just can't afford to be wrong! Even a single mistake such as feeding a 16 percent ration when you only need a 12 percent ration can cost you 50 cents per cow per day. Think about that for a short time and the few dollars it takes to test your forages will seem like a sound investment.

Getting Fat?
You say you're not getting fat — but at the end of every summer it's frightening how that hammock seems to sag a little more.