

**Facts  
for  
Dairymen**  
by  
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**Calf Raising and Vitamins**

There has been a good bit of discussion recently concerning dairy calf raising. Most of this discussion has been concerned with proper housing of the newborn calf and subsequent older calf housing. On a recent tour by Lancaster County dairymen to a few good examples of calf facilities some of the possible housing types were reviewed by our Penn State Dairy Specialists.

While housing is of obvious importance we are reminded by another Penn State Specialist, Dick Adams.

According to Dr. Adams, problems in raising calves are often more prevalent in late winter and early spring. When this occurs at least part of the problem may be related to a shortage of vitamins A and E in the dams.

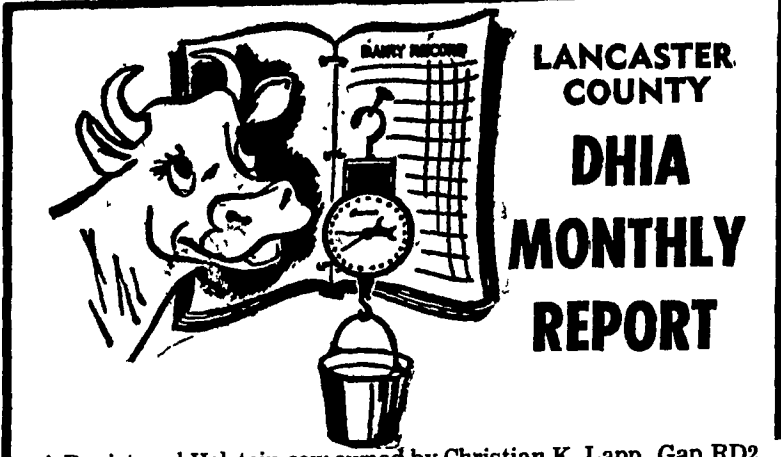
The levels of vitamin A equivalent and vitamin E in stored forage falls during storage. If these important vitamins are lacking, cows may abort in late pregnancy, stillbirths may increase, or calves may be born weak, dumb, or knuckled over.

When such calf problems occur or if they have been experienced in past years, administer one to two million units of vitamin A as an injectable vitamin A, D and E preparation to cows as they are put dry. If retained afterbirths also are a problem, administer an additional 1,000 units of injectable vitamin E preferably about thirty days prior to expected calving.

Problem calves should be given one-fourth million units of vitamin A as an injectable vitamin A, D and E preparation and an additional 250-500 units of injectable vitamin E. When calf infections are prevalent, freshen cows in a different spot temporarily. Clean and sanitize calving facilities. Then do not use them for one to two months to help break the infectious cycle. Do not place young stock, sick animals or other classes of livestock in facilities used for calving purposes.

In every year of the 1960's, Americans increased their purchases of food produced on U. S. Farms. Expenditures in 1970 were a record \$102 billion — almost seven percent more than a year earlier.

The farmers share worked out to 33 cents of each dollar spent. That's about a cent less than 1969, and right in line with the general trend over the years, of the farmer getting a smaller percentage of the consumers dollar.



A Registered Holstein cow owned by Christian K. Lapp, Gap RD2, completed the highest 305 day lactation. Beatrice produced 19,958 pounds of milk, 865 pounds of butterfat, with a 4.3 per cent test. Second high lactation was completed by a Registered Holstein cow owned by Samuel I. Esh, Gordonville RD1. Cora produced 21,146 pounds of milk, 859 pounds of butterfat with a 4.1 per cent test in 305 days.

The herd of Amos K. King, Ronks RD1, had the highest daily butterfat average. This herd of 16.1 Grade Holstein cows averaged 60.6 pounds of milk, 2.19 pounds of butterfat with a 3.6 per cent test. The herd of Ben K. Stoltzfus, Gordonville RD1, placed second. This herd of 30.0 Registered and Grade Holstein cows averaged 58.5 pounds of milk, 2.14 pounds of butterfat with a 3.7 per cent test.

**FIRST 305 DAYS OF LACTATION WITH 600 OR MORE POUNDS OF BUTTERFAT**

Owner - Name	Breed	Age	Days	Milk	Test	Fat
Christian K. Lapp						
Beatrice	RH	6-2	305	19,958	4.3	865
Betsy	RH	6-3	305	18,492	4.0	732
Samuel I. Esh						
Cora	RH	5-1	305	21,146	4.1	859
Piebe	RH	4-11	305	19,467	3.4	658
Masonic Homes Farms						
Lobetsy	RA	4-6	305	18,691	4.5	849
HNinah B	RA	4-5	305	16,801	4.1	696
Hianna	RA	3-5	305	14,923	4.1	618
Sam & Allen Kreider						
Mickie	GrH	4-4	305	17,991	4.6	825
Jackie	RH	6-1	305	16,215	4.3	702
Nathan G. Stoltzfus						
Sally	RH	4-5	305	22,057	3.7	818
Minnie	RH	5-3	305	15,917	4.1	653
Reba	RH	10-10	305	17,092	3.7	636
Polly	RH	6-6	305	12,437	4.9	608
J. Mowery Frey Jr.						
Rochele	RH	6-1	305	18,463	4.4	807
Countes	RH	6-5	305	18,856	4.0	753
Tillie	RH	11-11	305	17,383	4.2	731
John C. Metzler						
Flora	RH	6-6	305	15,974	5.0	806
Titus B. Stoner						
Mistle	RH	4-8	305	17,883	4.5	800
K Molly	RH	4-4	305	17,933	4.2	760
Katie	RH	8-4	305	19,889	3.1	614
Henry B. Leaman						
Jill	RH	5-7	305	18,088	4.4	799
Mony	GrH	6-3	305	19,866	3.3	661
Inka	GrH	4-1	305	17,080	3.8	657
C. Robert Greider						
Thunder	GrH	6-7	290	18,338	4.3	790
Harry S. Mumma						
Dawn	RH	6-10	305	18,350	4.3	787
Jewel A	RH	8-0	305	16,863	3.9	654
Christian B. Stoltzfus						
Bea	RH	8-3	305	20,121	3.9	786
John A. Harsh						
Billie	GrH	5-1	305	17,158	4.5	773
Arbe	RH	6-0	305	16,987	4.1	692
Fran	GrH	3-5	305	16,639	4.0	673
John P. Lapp						
Ollie	RH	6-7	305	18,964	4.1	769
Ann	RH	6-6	305	17,738	4.1	733
Judy	RH	5-2	305	15,018	4.3	651
Cynthia	RH	6-4	305	17,563	3.7	649
Amos S. Stoltzfus Jr.						
Rosie	GrH	7-6	305	20,466	3.7	767
Betty	GrH	6-6	299	17,114	3.6	608
Harry S. Aungst						
Dianne	RH	7-9	305	20,244	3.8	766
Marcy	RH	4-6	305	19,367	3.8	744
Herky	RH	7-7	305	17,350	4.1	703
Harold L. Risser						
Gem	RH	7-11	305	18,407	4.1	763
J. Mowery Frey						
Mable	RH	10-4	305	19,444	3.9	758

Rufus G. Martin						
14	RH	6-6	305	20,593	3.7	755
Roy H. & Ruth H. Book						
Bess	RH	8-8	299	21,497	3.5	753
Tessie	RH	7-6	305	17,932	3.7	667
Abbie	RH	5-1	305	16,228	3.8	622
Marcy 2	RH	4-7	305	18,461	3.3	615
Tamy	RH	5-10	305	14,994	4.1	608
James D. Shertzer						
Alma	RH	6-4	305	14,708	5.1	746
Pam	RH	6-3	305	15,570	3.9	609
Ben K. Stoltzfus						
Janet	GrH	5-5	305	20,400	3.6	744
Melvin H. Ranck						
Joanne	RH	4-1	305	21,563	3.4	741
Faye	RH	6-10	305	18,054	3.5	626
Mervin Nissley						
32	GrH	4-7	305	18,624	4.0	738
John R. Sauder						
Polly	GrH	5-5	291	17,645	4.2	738
Curtis E. Akers						
Ivadine	GrH	7-8	305	20,367	3.6	737
31	RH	8-10	294	16,010	4.1	655
Spot	GrH	2-0	305	14,327	4.5	638
Jay C. Garber						
Beth	RH	8-4	305	20,617	3.6	736
Hosdale	RH	3-8	305	18,451	3.7	682
G. Aolly	RH	4-7	305	17,227	3.6	621
John O. Stoltzfus						
Whity	RH	5-6	305	19,059	3.8	732
Mervin Sauder						
Queen	GrH	3-3	305	16,291	4.5	732
Blaze	GrH	4-5	305	15,279	4.4	679
Mickey	GrH	3-4	305	17,874	3.7	668
Whity	RH	3-0	305	18,076	3.4	622
John K. Stoltzfus						
Rosy	RH	5-6	305	19,626	3.7	729
David W. Sweigart						
Gold 140	RH	6-6	305	18,899	3.9	728
June 54	GrH	8-8	305	18,484	3.3	613
Raymond & Louise Witmer						
Kebbie	RG	10-7	305	15,526	4.7	728
Carl G. Troop						
Athena	RH	2-10	305	18,062	4.0	722
Andrew G. Miller						
Mige	RH	4-9	304	17,863	4.0	722
Ezra M. Martin						
Rosa	RH	4-3	305	14,920	4.8	712
Harold M. Shenk						
NY	RH	5-11	305	20,029	3.5	709
Edward S. Glick						
41	RH	7-6	305	18,556	3.8	707
Lester M. Weaver						
7A	RH	6-6	305	18,137	3.9	707
35A	RH	4-8	305	14,966	4.0	600
Alvin J. Stoltzfus						
Nellie	GrH	3-10	305	17,205	4.1	707
Kay	GrH	7-2	305	19,841	3.2	641
Clarence M. Murry						
Sadie	RH	6-4	271	14,834	4.8	707

(Continued on Page 29)

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