

I. PRODUCTION TESTED HERDS

Herds in at Least Their Third Consecutive Year of D.H.I.A. Testing

Herds were omitted from this list for three reasons:

1. Not yet started on the third consecutive year of testing;
2. No list of living cows in the herd (July 1937) reported by the D.H.I.A. fieldman;
3. Lactation records on cows with one or more completed lactations on test not all reported to the Records Office by the D.H.I.A. fieldman.

The herds are listed alphabetically according to the herd owner's name under each breed. Each herd is given an index number by which it is referred to in the Progeny Tested Sire and Dam lists.

Immediately after the herd owner's name and address is given information on herds certified as free from Bang's disease (C.B.F.) by the offices of Dr. J. S. Healy, Federal Veterinarian and the State Department of Livestock Sanitation, up to July 1, 1937.

Following this are the breed of the herd, the number of years of continuous D.H.I.A. testing since last period out of association, the total number of cows of milking age in the herd in July, 1937, the number with one or more completed lactation records on file in the Records Office, the total number of records on file for those living cows, and their average level of milk production, test, and fat production on a mature cow, 305 day lactation, two milkings per day basis. Herd No. 43 will serve as an example:

HERD OWNER	Breed	Yrs. Contin. Testing	No. Cows Milking Age	No. Cows With Lact. Records	Total No. Records	HERD PRODUCTION LEVEL			NO. OF COWS PRODUCING (Lbs. Butterfat)
						Mature, 305 Day, 2x Basis	Fat %	Fat lbs.	
43 BALSON , Chas. E.; Fond du Lac (C.B.F.) Sire: 79*. Dam: 10*	R&GG	6	21	18	37	6791	5.11	347	249 or less 250-299 300-349 350-399 400-449 450-499 500 or more

Here we see that the herd owned by Chas. E. Balson at Fond du Lac has been certified as free of Bang's disease as of July 1, 1937; is made up of both registered and grade Guernseys; is in its sixth (6th) year of continuous D.H.I.A. testing; that in July 1937 it had 21 cows of milking age and 18 cows with one or more lactation records reported; that the 18 cows have a total of 37 records and that the average production level for the 18 cows is 6791 lbs. milk, 5.11% fat, and 347 lbs. fat.

On the right a formula shows the number of living cows with records falling in the following production levels. There were

1 cow with 249 lbs. or less	4 cows with 400-449 lbs.
1 cow with 250-299 lbs.	no cows with 450-499 lbs.
8 cows with 300-349 lbs.	no cows with 500 lbs. or over
4 cows with 350-399 lbs.	

This gives some idea of the degree of uniformity in production within the herd.

Beneath the herd owner's name reference is made by index number to any Progeny Tested Sires used or Progeny Tested Dams in that herd. Progeny Tested Sire No. 79 was proved, and Progeny Tested Dam No. 10 and her daughters were tested in this herd. Both the sire and the dam are still living.

The asterisk (*) after the number referring to the sire and the dam indicates that they were still alive in July 1937.

A double asterisk (**) after a sire's number indicates that he is still in the herd under which his number is given.