

17

**Final Report**  
of the  
**Livestock Phase**  
of the  
**Nutritional and Management Studies**  
on  
**Sauvie Island, Oregon**  
**June 1952 to July 1954**

by  
**R. G. Sprowls and I. R. Jones**  
Dairy Husbandry Department

**Miscellaneous Paper 17**

**June 1955**

**Agricultural Experiment Station • Oregon State College • Corvallis**

## TABLE OF CONTENTS

|                                                                                                     | Page |
|-----------------------------------------------------------------------------------------------------|------|
| Objectives . . . . .                                                                                | 1    |
| Methods . . . . .                                                                                   | 1    |
| Grain, hay, silage, and supplemental feed consumption . . . . .                                     | 1    |
| Pasture . . . . .                                                                                   | 1    |
| Milk production, reproduction and replacement records . . . . .                                     | 1    |
| Observation and recommendations . . . . .                                                           | 2    |
| Nutritional problems affecting beef cattle and sheep . . . . .                                      | 2    |
| Discussion . . . . .                                                                                | 2    |
| Nutrition . . . . .                                                                                 | 2    |
| Milk production . . . . .                                                                           | 5    |
| Lactation curves . . . . .                                                                          | 5    |
| Breed comparisons . . . . .                                                                         | 6    |
| Effects of Gestation . . . . .                                                                      | 6    |
| Relationship of regularity of reproduction to stable marketing . . . . .                            | 7    |
| Breeding efficiency . . . . .                                                                       | 7    |
| Replacements . . . . .                                                                              | 8    |
| Observations and recommendations relating to management and<br>performance of dairy herds . . . . . | 8    |
| Beef cattle and sheep . . . . .                                                                     | 8    |
| Summary and Conclusions . . . . .                                                                   | 9    |
| Bibliography . . . . .                                                                              | 11   |
| Appendix                                                                                            |      |
| Figures 1-10                                                                                        |      |
| Tables 1-5                                                                                          |      |
| Production records of Herds No. 2, 5, 6, 7, 14, 20 and 33                                           |      |

FINAL REPORT OF THE LIVESTOCK PHASE OF THE  
NUTRITIONAL AND MANAGEMENT STUDIES ON SAUVIE ISLAND

by R. G. Sprowls and I. R. Jones  
Department of Dairy Husbandry  
Oregon State College

June 1952 to July 1954

OBJECTIVES

The following objectives were established for this study:

1. To determine as nearly as possible the nutritional status of dairy cattle on Sauvie Island.
2. To determine and evaluate the performance of dairy herds on Sauvie Island with respect to level of production, length of productive life and reproductive efficiency.
3. To attempt to correlate observations, feed analyses and herd records as they relate to nutrition, management, and performance, and where needed, to suggest improved practices in the interests of developing good husbandry.
4. To investigate nutritional problems affecting beef cattle and sheep wherever appropriate cooperation was provided.

METHODS

Grain, Hay, Silage, and Supplemental Feed Consumption

Beginning June, 1952, feed consumption on an individual cow basis in cooperating herds was recorded. Periodically, individual portions of grain concentrate, hay and silage were weighed when fed. The interval between weighings did not follow a definite pattern. Feeding practices were closely observed and additional weighings were made if any change in source or kind of feed stuffs occurred. Weights were not recorded on free choice feeding.

Pasture

Yields based on percent dry matter were determined on pasture plots from clippings throughout the pasture season from April to November 1952. Yield data were calculated from the average of five replicate plots.

Milk Production, Reproduction and Replacement Records

Multnomah County Dairy Herd Improvement Association records were used to assemble production records. Herds were tested each month and

individual production values of milk and milk fat were recorded. Where available past records were used to compile production data on cows still in the milking herd. Records obtained were converted to a 305 day mature equivalent, 4% fat corrected milk basis. Individual lactation records were assembled for each herd from which were developed herd lactation curves. When available, records were kept for breeding and freshening dates. Disposal of all cows removed from the herds during the two year period was recorded.

#### Observations and Recommendations

Observations of dairy farm management were related to resultant production. Suggestions were frequently made when requested on all phases of farm management based on observations made during the survey.

#### Nutritional Problems Affecting Beef Cattle and Sheep

Although frequent attempts were made, an opportunity to study beef cattle and sheep operations on Sauvie Island was not afforded. This was due largely to the type of the enterprise carried on in this area. Animals were brought to the Island, fed for short periods and sold.

### DISCUSSION

#### Nutrition

Grain concentrates fed on the cooperating farms consisted of home-grown grains with a commercial supplement or proprietary brands of dairy cattle feed. On all farms supplemental feeds fed from time to time included millrun, beet pulp and molasses. These were fed in addition to the regular herd ration.

On two farms, No. 7 and No. 14, grain concentrates were weighed and amounts fed according to the production of the individual cows. On the remaining farms, grain concentrates were fed in estimated amounts to each animal. It was the custom on this latter group of farms to feed the high producing cows a little more and the lower producing cows somewhat less. The person milking the cows usually did the grain feeding.

The overall roughage feeding program appeared to be adequate for the animal needs, except that chemical determinations of both hay and silages indicated that frequently forage plants were over-ripe when harvested. In many instances this could not be avoided due to weather and soil moisture conditions.

The following summary of individual herd nutrition was developed from observations made during the survey. Herd numbers are the index numbers of herds and farms on Sauvie Island as designated by Washington State College.

HERD # 2

Grain concentrate feeding ranged in weight from two to nine pounds per cow per day with an average of about seven pounds per cow. Grain feeding was continued the year around in this manner. The grain concentrate was a 16% proprietary brand dairy mix. This procedure was followed during the first and second year.

No silage was fed during 1952. Home-grown grass hay was supplied in the amounts desired by the individual animals. Hay feeding averaged between 35 and 40 pounds per cow, per day.

During the second year mixed grass and legume silage was fed at the rate of 45 to 50 pounds per cow plus home-grown oat and Austrian pea hay supplemented with good quality alfalfa.

Pasture consisted of non-irrigated grass and legume mixture during the first year. In the second year cows were rotated between improved irrigated and non-irrigated grass and legume pastures.

HERD # 5

Grain was fed ranging in amounts from five to six pounds per cow per day. The concentrate fed was a proprietary brand mixture containing 16% protein.

Supplemental feeds fed from time to time were screenings and molasses.

Mixed grass and legume silage was fed both years at the rate of 40 pounds per cow with the addition of 15 pounds of home-grown grass and clover hay.

Pasture consisted of non-irrigated grass and legume mixture during the two years. Cows were rotated between non-irrigated grass and legume pasture and a good stand of red and alsike clover.

HERD #6

During the two years, grain concentrates were fed ranging in amounts between four and eleven pounds per cow per day with an individual average of about eight pounds per cow.

During the first two months, June and July of 1952, a 16% protein proprietary brand dairy mix was fed. Millrun was fed exclusively during August, followed by a mixture of ground home-grown oats and barley during the remainder of the study. At irregular intervals small amounts of beet pulp were added to the ration.

Silage consisted of grass-legume mixture and was fed free choice. Hay was available to the animals on the same basis. Consumption of silage

ranged between 45 and 90 pounds per cow daily and hay from seven to fifteen pounds per cow.

During both years the herd was on high quality irrigated mixed grass and ladino clover pasture.

#### HERD # 7

From three to eighteen pounds of grain was supplied to the cows daily during the two years. The concentrate consisted of a ground home-grown mixture of oats and barley supplemented to 16% protein with a commercial protein supplement. Cows were fed grain according to volume and fat percentage of milk produced. Molasses was occasionally fed to the animals during the winter months.

Hay from different sources was fed and varied from mixed grass to good quality alfalfa. No silage was available to the animals.

Pasture was a non-irrigated mixture of grasses and legumes.

#### HERD #14

A 16% proprietary dairy mix was supplied to the cows in amounts depending upon the production of the animal.

Mixed grass and legume silage in addition to home grown grass and alfalfa hay was fed free choice. Periodically, molasses was added to the rations.

Pasture consisted of good quality irrigated grasses and ladino clover.

#### HERD # 20

Grain concentrates fed varied between 14% in the winter months and 10% protein in summer. The amount of concentrates fed varied from three to seven pounds, however, the average approached seven pounds per cow daily. When the cows were allowed out on pasture during the season, grain supplement feeding was reduced to three pounds per cow. Molasses was occasionally fed in the winter months of 1953-54.

Grass and legume silage was fed at the rate of 40 pounds per cow per day supplemented with 25 pounds of home-grown alfalfa hay.

A non-irrigated grass and legume pasture mixture was available to the cows in season. Late summer pasture was supplemented with an alfalfa soiling crop.

HERD # 33

A 14% proprietary brand dairy mix was available to the animals during the winter. This was reduced to 12% protein in the summer months. The grain was fed at the rate of nine pounds per cow daily in the winter time and  $5\frac{1}{2}$  pounds per cow during the summer. Molasses was occasionally added to this ration.

Free choice feeding of hay and silage was available in the loafing area. The silage consisted of a grass-legume mixture and grass legume hay was available with some alfalfa added.

Pasture was a mixture of non-irrigated grasses and legumes.

MILK PRODUCTION

All completed milk production records were converted to a 305 day mature equivalent, 4% fat correct basis.\* It is believed that this will provide a basis for comparing past and current production records and at the same time enable the farmer to compare the production of his herd with that in other herds. It will also give him an opportunity to select replacement animals from superior cow families within the herd.

The inherited capacity of animals studied for milk production varied between 30 and 90 pounds daily. Aside from inheritance, an additional factor affecting production within these herds was the method by which grain was fed to the individuals. In most cases the animals were not fed according to individual production. The higher producing animals requiring more total digestible nutrients, were frequently not fed sufficient grain to maintain maximum production. In some instances animals with a lower level of production, which may have been due to either inheritance or the stage of lactation, were fed beyond their ability to produce.

Lactation Curves

It is well established that the herd lactation curve is one of the means of determining whether or not a herd is producing normally.

In order to compare herd lactation curves developed from records it became apparent that a standard production curve must be adopted as a basis for comparison. A series of milk production curves were selected from the literature including a curve developed from 99 Holstein lactations in the Oregon State College herd. The "standard curve" appearing in Figure 1 represents an average of the six curves in this figure. The use of this "standard curve" makes it possible to more accurately compare milk production of the cooperating herds.

---

\*These data appear in Appendix

Individual lactations by months were averaged and plotted to give a herd lactation curve for ten months. These curves were plotted and appear in Figures 4 through 10.

In general, these curves possess the same shape as the "standard curve" in Figure 1. It has been found in previous studies at Oregon State College that the normal monthly rate of decline after peak production has been reached is 92.6% of the previous month's lactation. This occurs up to seven months at which time the effects of gestation influences further production.

The majority of lactation curves in this study do not reach the initial production level of the "standard curve" but in no case do they show intense fluctuation from the standard. However, they do follow the general shape of the "standard curve" very closely. It is the shape of the curve rather than the initial level of production that is the important factor in determining whether or not these curves are normal. It is recognized that the lactation curves of individual cows and herds is markedly influenced by inheritance, feeding and management, breeding performance and herd health. If abnormal conditions exist in the herd for any length of time, one would expect a change from normal milk production resulting in a curve that would not parallel the standard shown in Figure 1.

#### Breed Comparisons

It is recognized that there is an individual breed difference in the pattern of milk production. Figure 2 shows standard lactation curves for individual breeds. It will be noted that the initial level of the higher testing breeds is lower than the level for breeds of lower fat percentage, and that the high test breeds do not drop off in milk production as rapidly as those of lower test.

Within the range of initial production levels the persistency throughout lactation varies as illustrated in Figure 3.

The lactation curves for Herds No. 7 and No. 14 differ from the remaining herds and vary somewhat in shape from the "standard curve". This can perhaps be explained by the fact that they are both purebred Jersey herds which usually show greater persistency in production although frequently starting at a relatively lower level. In comparing the lactation curves of these two herds with the lactation curve of the Jersey herd as it appears in Figure 2, it will be seen that there is little deviation between these curves.

#### Effects of Gestation

To study the effects of gestation on lactation of cows in each herd, they were divided into groups according to calving interval. The intervals used were for cows calving in less than  $10\frac{1}{2}$  months,  $10\frac{1}{2}$  months to  $11\frac{1}{2}$  months,  $11\frac{1}{2}$  months to  $12\frac{1}{2}$  months, and  $12\frac{1}{2}$  months and over. Beginning with the 7th month of lactation, the production of these groups was averaged

and plotted individually. For this reason cows calving in less than 10½ months exhibited a rapid decline in production after the 7th month and conversely, animals calving in over 12½ months maintained a greater persistency of production during the 10 months. The unexpected variation in persistency of the groups divided according to calving dates might be explained by the small number of available records in some groups and the presence of high producing cows in these groups.

#### Relationship of Regularity of Reproduction to Stable Marketing

In many dairy areas, including those in Oregon, Grade A milk is produced under a quota system. In order for the individual to maintain his Grade A quota he must consistently produce the quota requirements. This requires that he attempt to have his animals calve at proper intervals throughout the year. This was the practice in the herds surveyed as illustrated in Table I.

It is commonly recommended that for optimum production and maximum profit, a cow should be milked at least 305 days and calve within a year after her previous freshening date. Although this is an accepted dairy maxim, the necessity for meeting a production quota occasionally required the farmer to shorten or lengthen the intervals between calving.

Breeding records were available covering, in some cases, several years of operation. Analysis of these data covering the period from June 1952 to July 1954 is presented in Table II. In the table on calving intervals the herds ranged from 332 to 384 days between calves with an average of 359 days. Included in Table II is a column indicating the average number of days between freshening and next conception. Within the six herds studied the interval ranged between 51 and 102 days. In some herds cows were deliberately left open to prolong the period between freshening and next conception to better meet the requirements of the quota system.

#### Breeding Efficiency

In analyzing breeding efficiency it is difficult to properly assess the contribution of both sire and dam as each affects efficiency. Most methods available today either over-rate or under-rate one or the other individual in the mating. One of the most common methods for estimating breeding efficiency is the number of services required per conception. Breeding records from this survey were analyzed using the percentage of cows settling to first and second service. A summary of services per conception appears in Table III. There is nothing in this table indicating that the breeding efficiency of cows in herds studied was not comparable to that in other dairy areas of Oregon.

Table IV is a summary of services per conception based on presumed pregnancies and was included in an attempt to establish a trend in breeding efficiency. Pregnancy was presumed in all cases where cows were bred and failed to come in heat 90 or more days before July 1, 1954.

Little difference is apparent between the percentages shown in Tables III and IV. Breeding records were not available for Herd No. 7.

#### Replacements

Records were kept on all animals leaving the herds for any reason. These data appear in Table V and indicate the number of animals removed from the milking herds between June 1952 and July 1954. Percentages ranged from 12.5% to 30.3%. Except for two herds, Nos. 7 and 33, the replacement rate varied between 12.5% and 22%. Although it is indicated for Herd No. 7 that 27% of the animals were removed over the two year period, the majority of these were removed from the milking herd and maintained as nurse cows. Of the 33 animals removed, only 7 were sold. Herd No. 33 shows a replacement rate of 30.3%. This was partially due to rigid culling necessary to meet a high production standard.

The replacement rate within these herds falls within normal limits and approaches the commonly accepted replacement rate of 20% each year.

#### Observations and Recommendations Relating to Management and Performance of Dairy Herds

As previously mentioned, grain concentrates could have been more economically utilized if larger quantities had been fed the higher producing animals. This could have been accomplished by feeding less grain to the low producers.

Chemical analyses of hay and silage samples indicated a substantial variation in quality. This was due in many instances to the press of other farm work and the vagaries of the weather. Silage was generally of good palatability. In a few instances it was suggested that a preservative be incorporated. The general quality of the roughage produced could be improved by feeding more silage.

Pasture yields per acre varied greatly from farm to farm. Total yields based on dry matter ranged from 1.5 to over 3 tons per acre. It should be pointed out, however, that due to the large acreages involved, most animals did not suffer from a lack of pasture but were forced to work harder to get it. The nutritional value of the lower yielding pastures suffered severely during the latter stages of the season. The farm operators supplemented the lower yielding pastures with hay and silage or a soiling crop. This is the accepted practice of good dairy farmers.

In considering the overall picture relating nutrition to production, the herds of Sauvie Island were producing at a level comparable to other good dairy areas in the Willamette Valley.

#### Beef Cattle and Sheep

During the survey a number of farms were visited to investigate nutritional problems of beef cattle and sheep. Visits were made to obtain

samples for feed analysis, to ask permission to examine herds, and in some instances, to examine sheep and cattle in the company of the veterinarian representing Washington State College. When indicated arrangements were made for animals to be shipped to the State Diagnostic Laboratory in Corvallis.

### SUMMARY AND CONCLUSIONS

A summary of feeding, milk production, and reproduction records as they relate to herd management within the seven cooperating herds on Sauvie Island indicates conditions comparable with those occurring in other dairy areas of the Willamette Valley.

Management practices within the herds studied are comparable with those occurring in other similarly developed dairy areas in the Willamette Valley.

In the herds surveyed, the plane of nutrition appeared adequate. In certain instances, feeding practices prevented the higher producing animals from maintaining maximum inherited production. However, this condition could have been remedied by transferring the excess grain fed to the lower producing animals to those of higher producing ability.

In most instances, animals received a liberal supply of roughage. Analysis of hay and silage samples frequently indicated that these crops were over-ripe when harvested.

Pasture quality generally could have been improved by increased use of fertilization, irrigation and rotation.

The herd lactation curves presented, when compared with the "standard curve", show persistency of production. A lack of fluctuation from the "standard curve" indicates that no environmental factors impaired herd production to any appreciable extent.

### Breeding Efficiency

It was observed that a considerable number of animals were bred to calve in less than a year from previous freshening. It was also noted that animals were intentionally held open and, therefore, continued in lactation longer than the recommended ten months period. This was partially due to the practice of maintaining year around production sufficient to meet Grade A marketing quotas.

Oregon Dairy Breeders Association records indicate a 60-90 day non-return to first service approximating 69%. Breeding records of the herds surveyed on Sauvie Island indicate a 60-90 day non-return to first service of 63.6%. These records also indicate that 86.8% of the cows conceived to either the first or second service. This suggests that the reproductive efficiency was normal and falls within the range experienced in Oregon.

Closer culling of low producers, improved breeding practices, and increased use of pastures are factors that could increase the overall herd production.

While it is realized recommendations that have been made would tend to increase productive performance of the herds studied, adoption of any or all of the suggestions may not prove economically feasible.

#### Acknowledgement

Acknowledgement is made to P. M. Brandt, Head, Department of Dairy Husbandry for his interest in the survey and suggestions in preparation of the manuscript, and to B. F. Magill for assistance in summarizing and assembling the data.

BIBLIOGRAPHY

1. Woll, F. W. - Studies in Dairy Production, Wis. Agr. Expt. Sta. Res. Bul. 26, 55-135, 1911.
2. Staff, C. - Interpretation of Milk Production Records by use of Standard Graphs. Larro Res. Farm Pamphlet, Detroit, Mich. 1944.
3. Smith, V. R., Jones, I. R. and Haag, J. R. - Alfalfa with and without Concentrates for Milk Production. J. Dairy Sci., 28, 5, 343-354. 1945.
4. McCandlish, A. C. - The Influence of the Stage of Lactation on the Production of Dairy Cows. J. Dairy Science., 8:3, 255-261. 1924.
5. Peterson, W. E. - Dairy Science, Sec. Ed. J. B. Lippincott Co., 1950.
6. Eckles, C. H. and Anthony, E. L. - Dairy Cattle and Milk Production. Fourth Ed. Macmillan Co., 1950.

FIGURE 1.

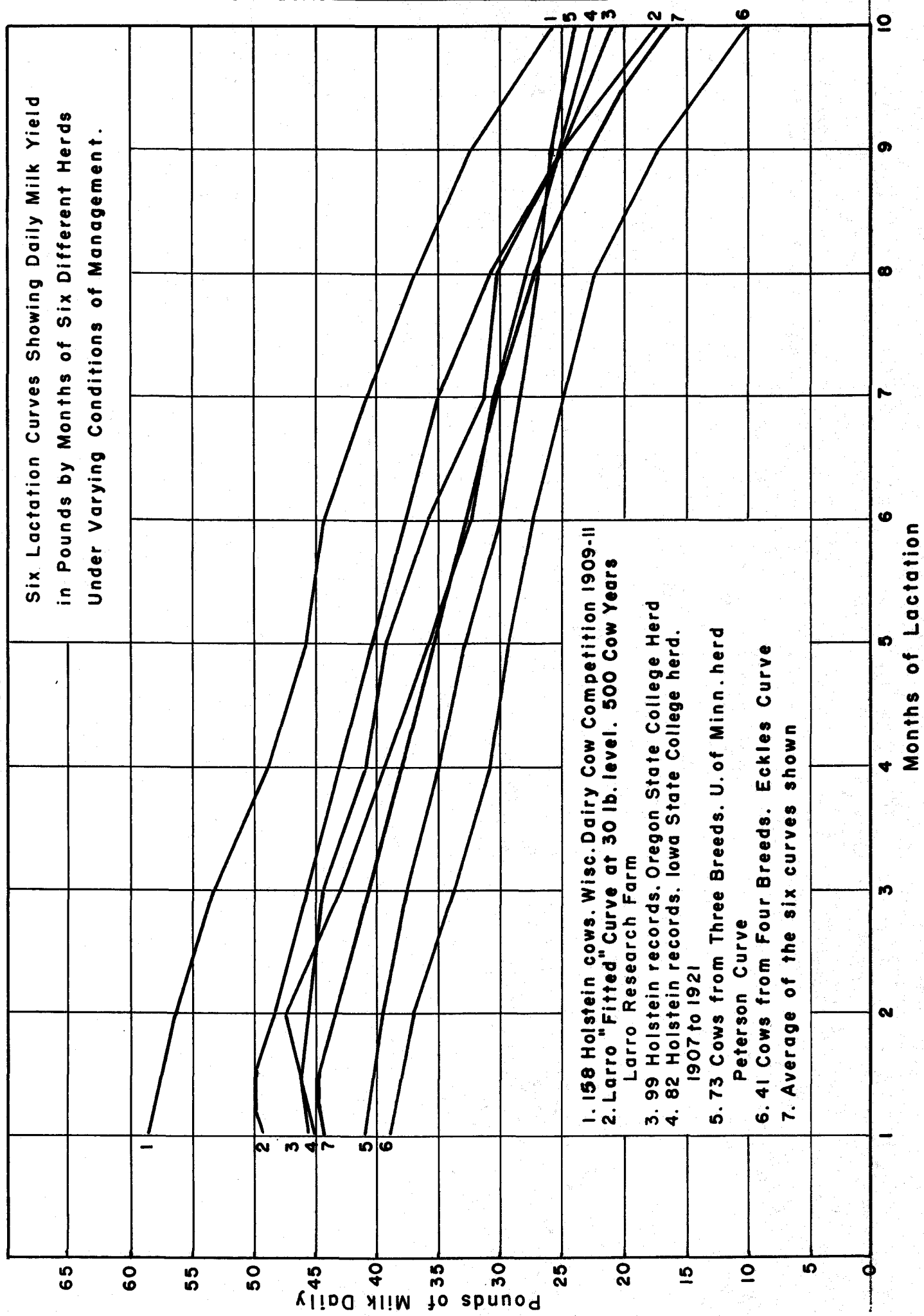


FIGURE 2

A Comparison of Lactation Curves from Production Records of Holstein, Ayrshire, Guernsey and Jersey Cows from the Iowa State College Dairy Herd, December 1907 to December 1921.

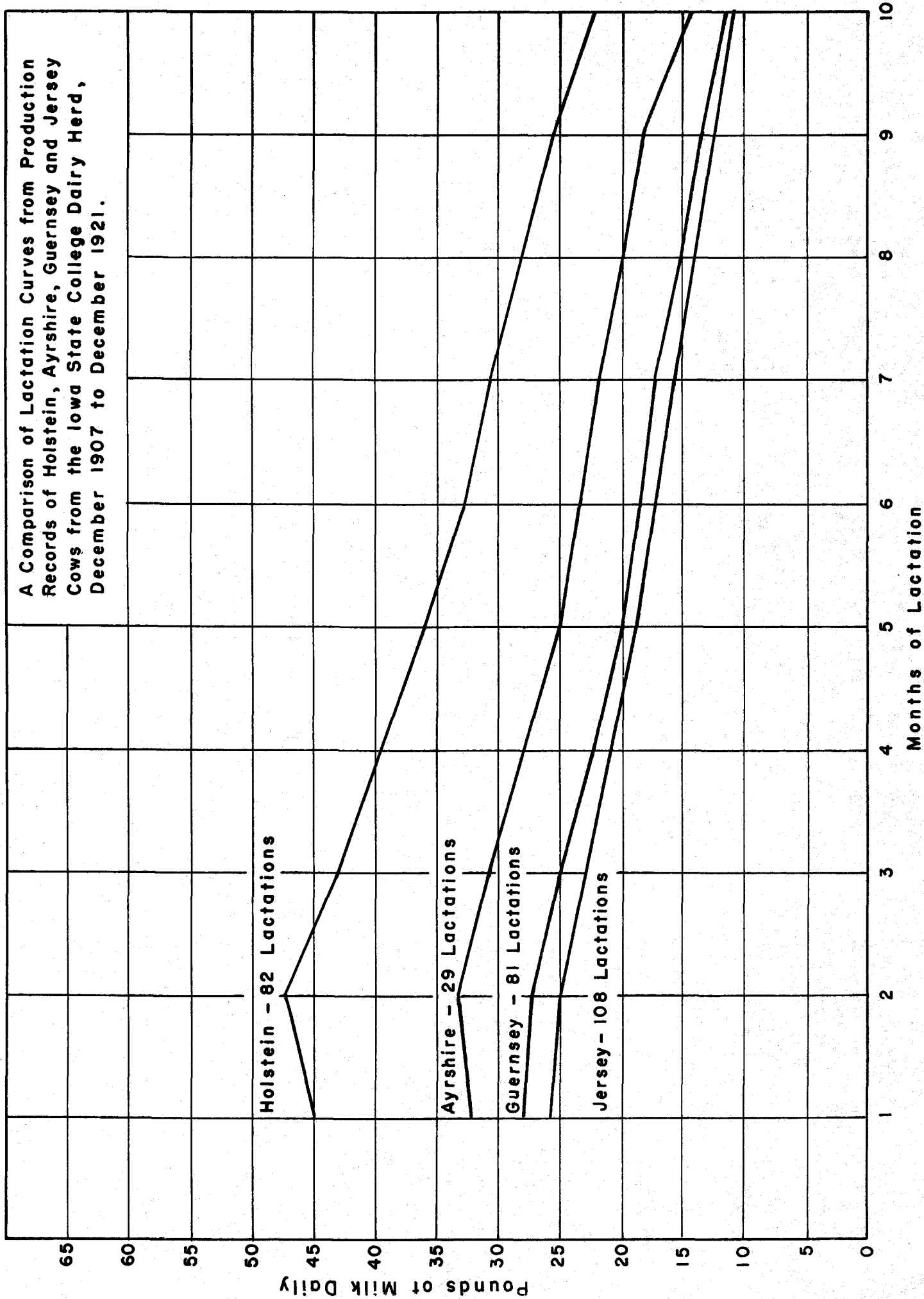


FIGURE 3

A Comparison of Larro "Fitted" Curves of Production of Cows Having Various Peak Productions Ranging from 25 lbs. Daily to 65 lbs. Daily, in Lactations of 360 Days. Records of over 500 Cow Years at Larro Research Farm.

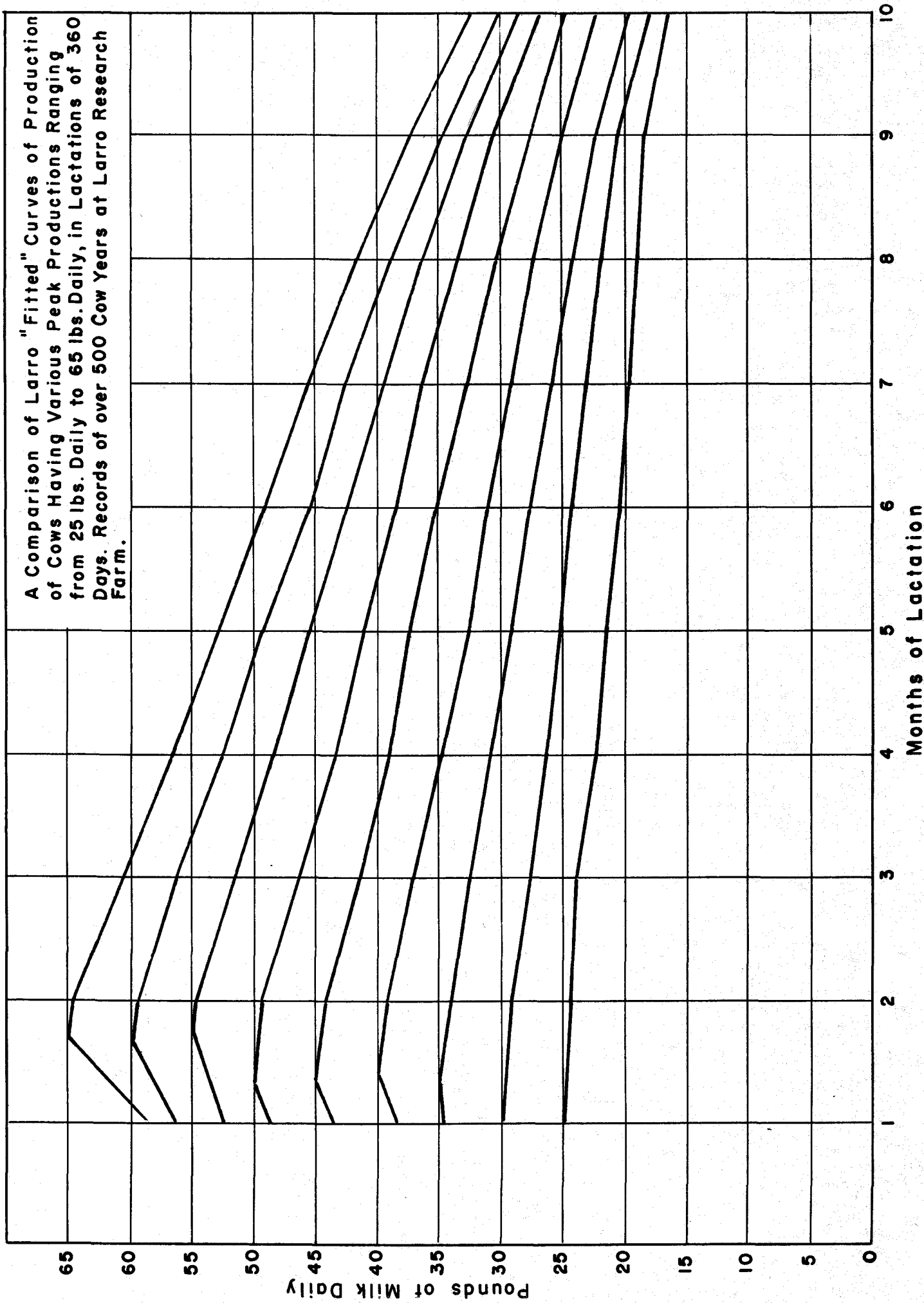


FIGURE 4

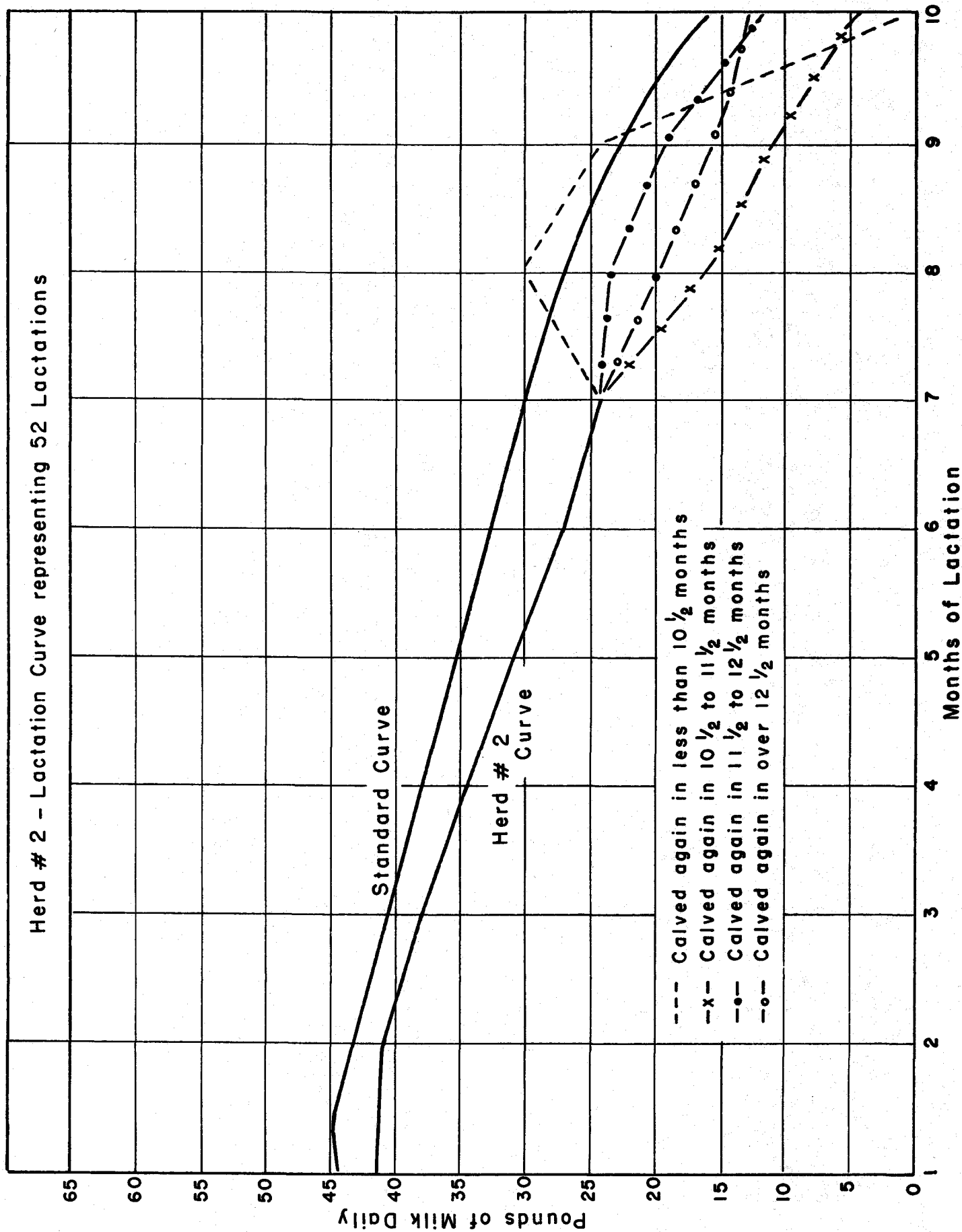


FIGURE 5

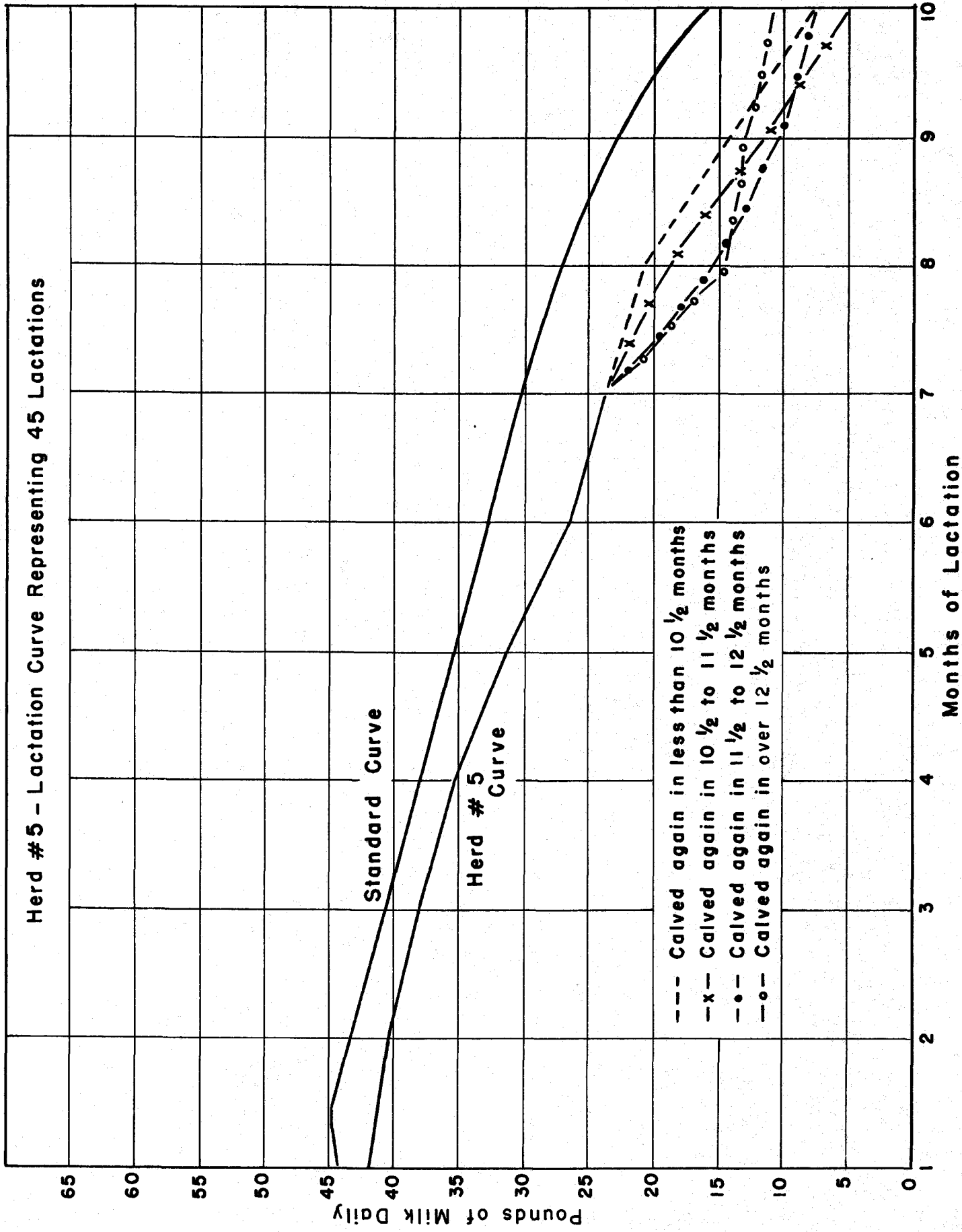


FIGURE 6

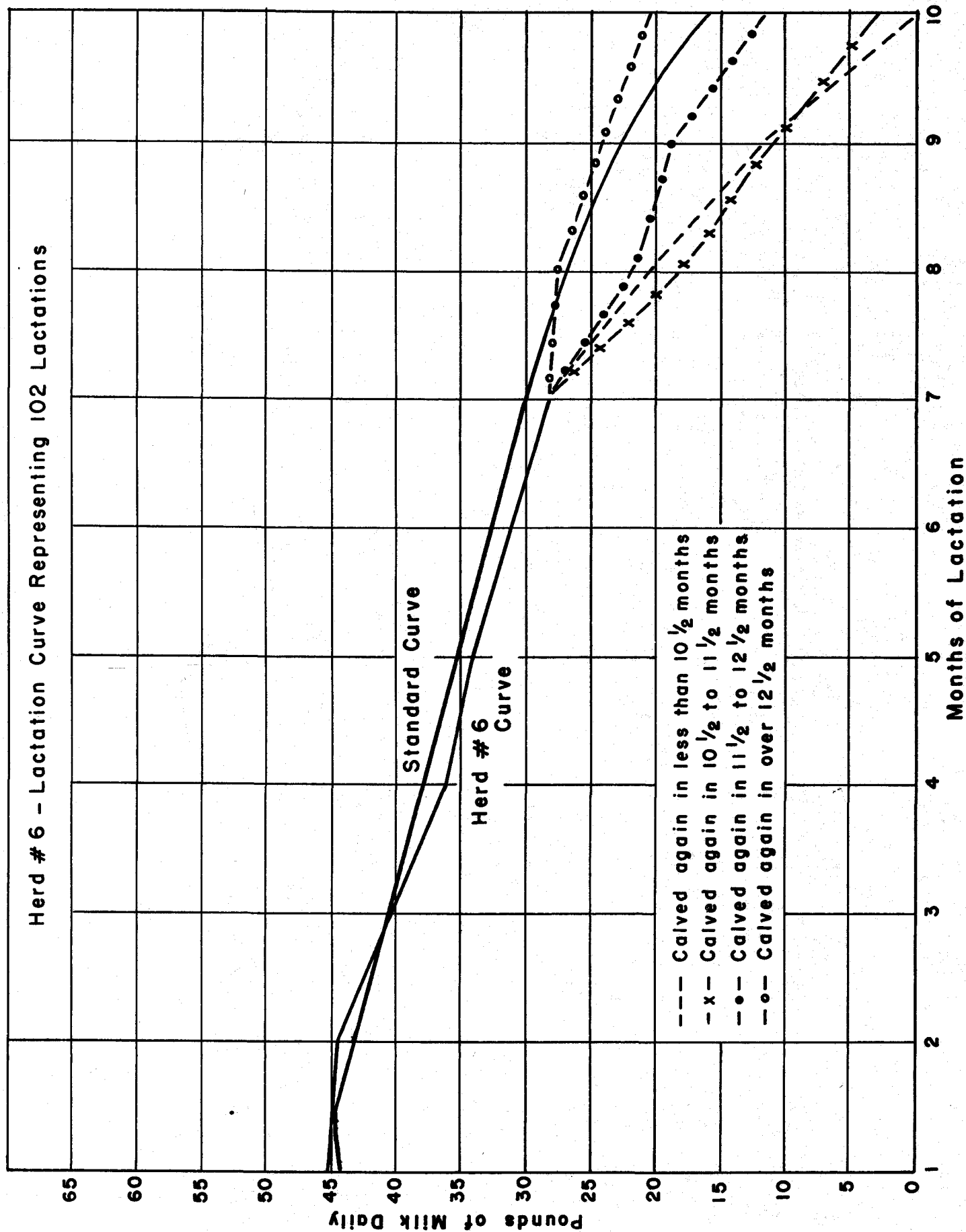


FIGURE 7

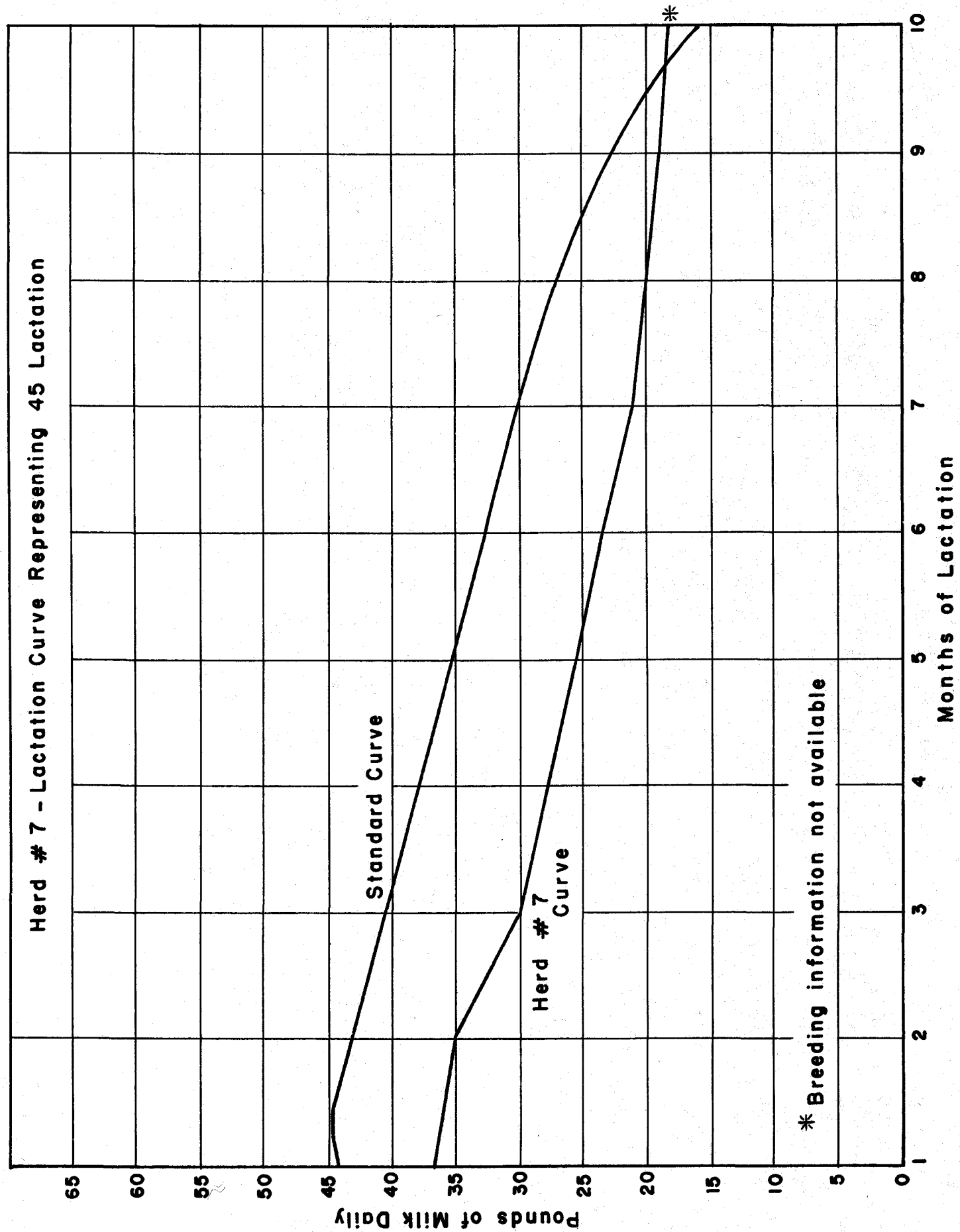


FIGURE 8

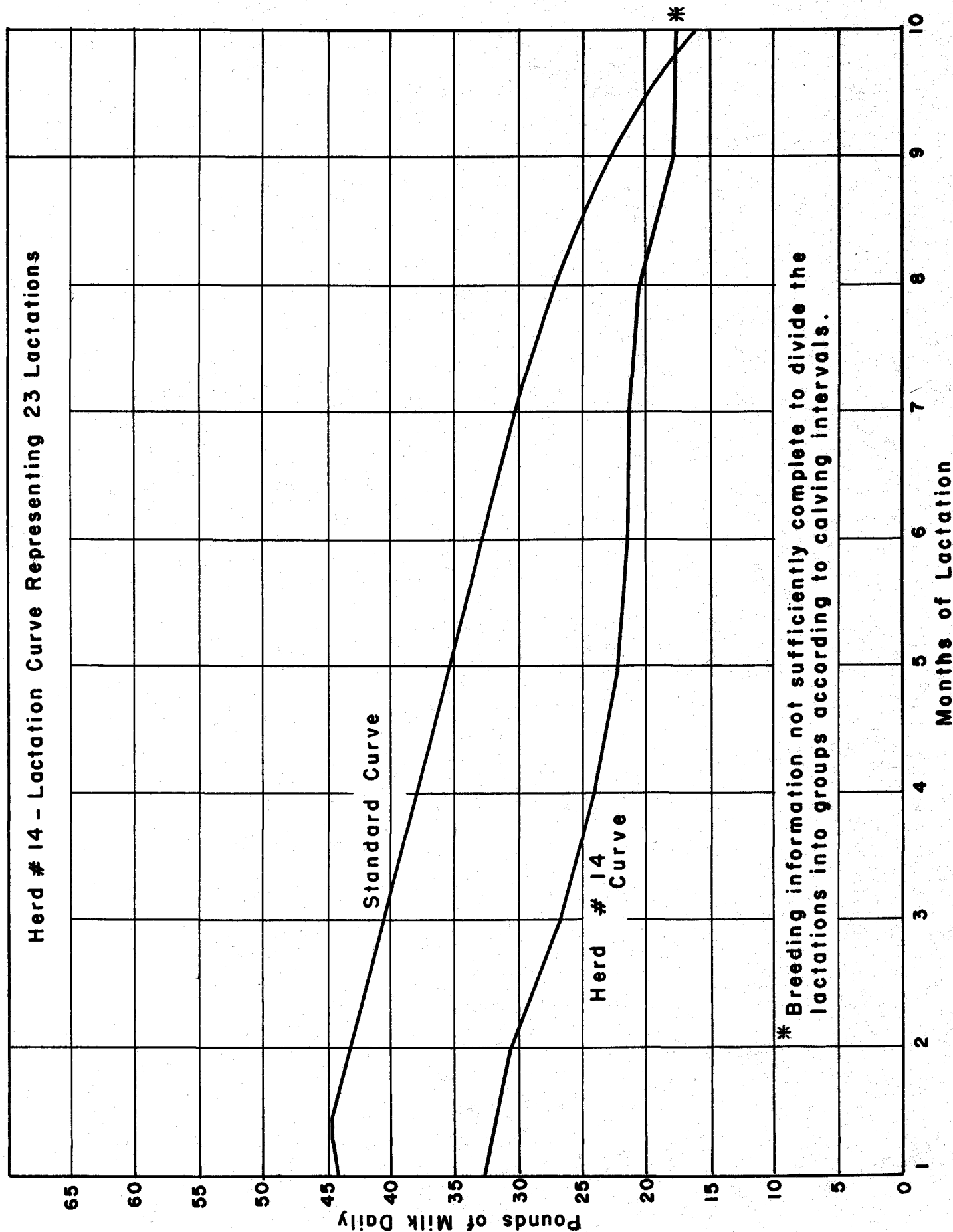


FIGURE 9

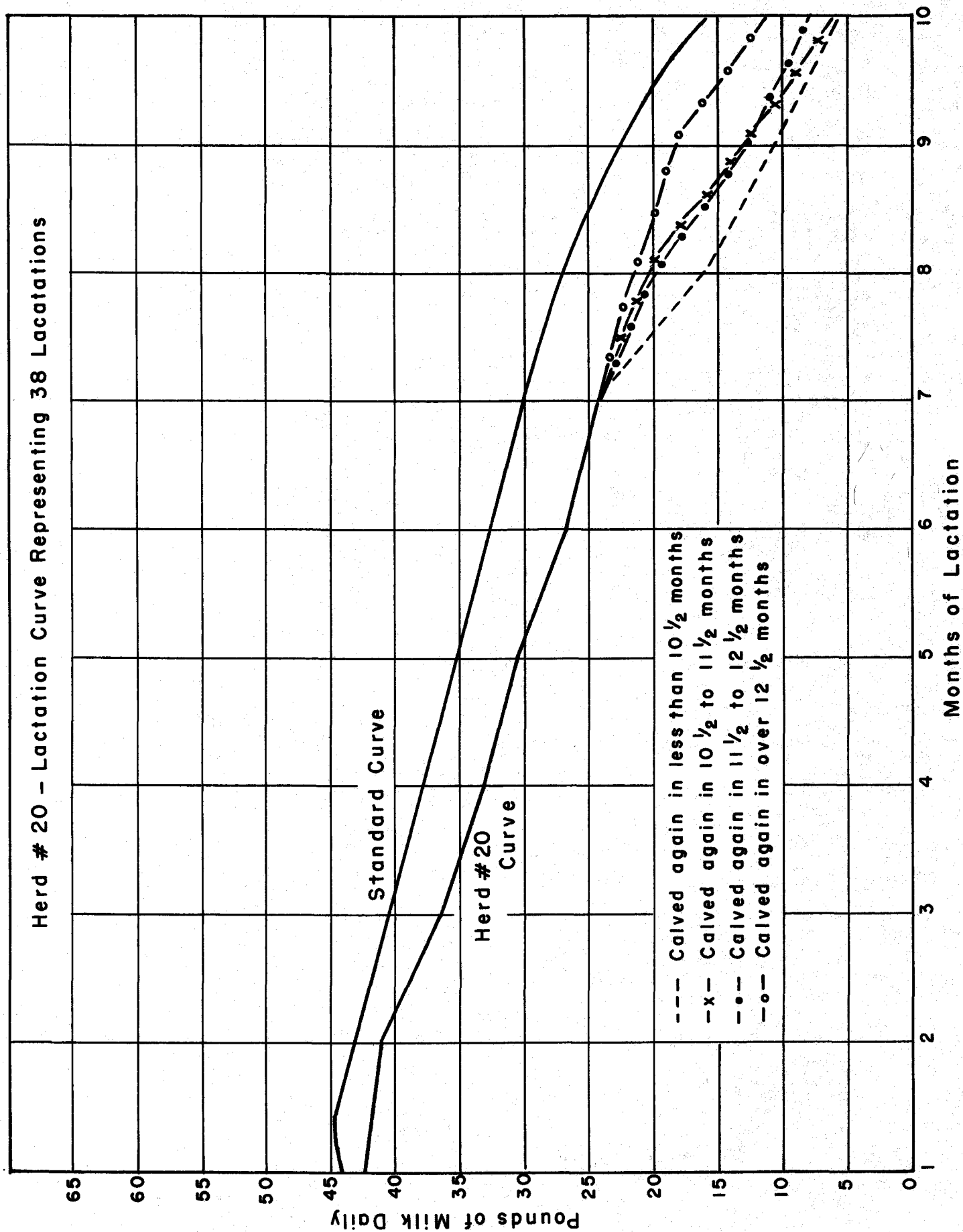


FIGURE 10

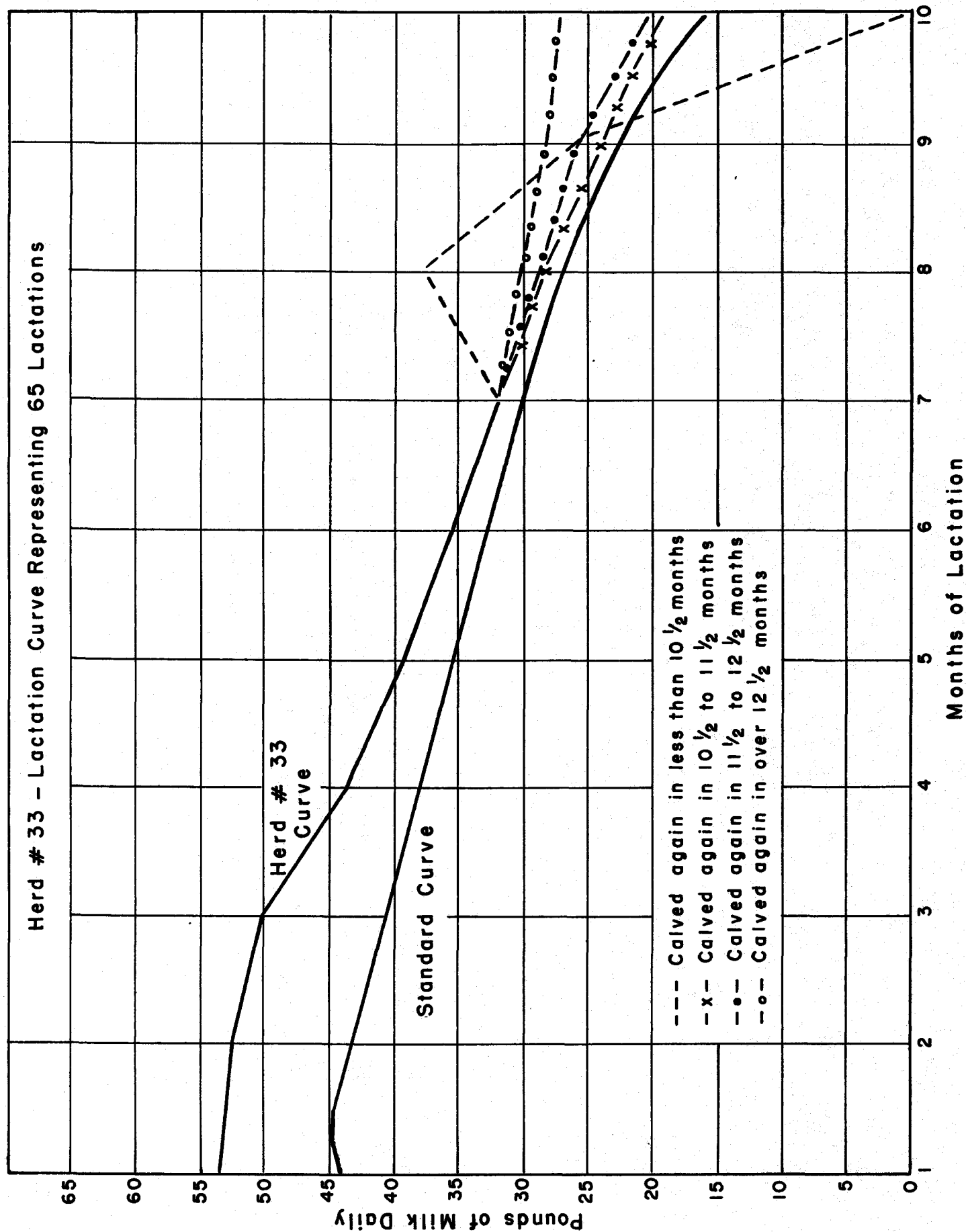


TABLE I

## ANALYSIS OF CALVING DATES BY SEASONS

| Herd<br>No.        | FALL         |         | WINTER      |         | SPRING |         | SUMMER  |         | Total<br>Calvings |
|--------------------|--------------|---------|-------------|---------|--------|---------|---------|---------|-------------------|
|                    | September to |         | December to |         | March  |         | June to |         |                   |
|                    | November     |         | February    |         | to May |         | August  |         |                   |
| No.                | Number       | Percent | Number      | Percent | Number | Percent | Number  | Percent |                   |
| 2                  | 13           | 23.6    | 16          | 29.2    | 13     | 23.6    | 13      | 23.6    | 55                |
| 5                  | 24           | 25.5    | 27          | 28.7    | 23     | 25.5    | 20      | 21.3    | 94                |
| 6                  | 26           | 26.8    | 21          | 21.6    | 20     | 20.7    | 30      | 30.9    | 97                |
| 14                 | 7            | 26.9    | 5           | 19.3    | 11     | 42.3    | 3       | 11.5    | 26                |
| 20                 | 6            | 30.0    | 4           | 20.0    | 7      | 35.0    | 3       | 15.0    | 20                |
| 33                 | 10           | 19.6    | 11          | 21.6    | 16     | 31.4    | 14      | 27.4    | 51                |
| Totals             | 86           |         | 84          |         | 90     |         | 83      |         | 343               |
| Average<br>Percent |              | 25.1    |             | 24.5    |        | 26.2    |         | 24.2    |                   |

TABLE II

## AVERAGE NUMBER OF DAYS IN GESTATION PERIOD,

## DAYS SINCE LAST CALF AND TO NEXT CONCEPTION

| Herd<br>No.         | Average Number<br>of Days in<br>Gestation Period | Average Number<br>of Days Since<br>Last Calf | Average Number<br>of Days to Next<br>Conception |
|---------------------|--------------------------------------------------|----------------------------------------------|-------------------------------------------------|
| 2                   | 284                                              | 384                                          | 100                                             |
| 5                   | 281                                              | 332                                          | 51                                              |
| 6                   | 284                                              | 348                                          | 64                                              |
| 14                  | 282                                              | 384                                          | 102                                             |
| 20                  | 282                                              | 349                                          | 67                                              |
| 33                  | 281                                              | 365                                          | 84                                              |
| Average - All Herds | 281                                              | 359                                          | 78                                              |

TABLE III

## ANALYSIS OF BREEDING PERFORMANCE

| Total<br>Number<br>Herd of Cow-<br>No. Services | COWS CONCEIVING TO |         |            |         |            |         |            |         |                    |         |       |     | Total<br>Number<br>of Cows<br>in Herd |
|-------------------------------------------------|--------------------|---------|------------|---------|------------|---------|------------|---------|--------------------|---------|-------|-----|---------------------------------------|
|                                                 | 1 Service          |         | 2 Services |         | 3 Services |         | 4 Services |         | Over<br>4 Services |         | Total |     |                                       |
|                                                 | Number             | Percent | Number     | Percent | Number     | Percent | Number     | Percent | Number             | Percent |       |     |                                       |
| 2                                               | 54                 | 30      | 55.6       | 13      | 24.1       | 5       | 9.3        | 4       | 7.4                | 2       | 3.7   | 61  |                                       |
| 5                                               | 65                 | 45      | 69.2       | 16      | 24.6       | 4       | 6.2        | -       | -                  | -       | -     | 50  |                                       |
| 6                                               | 91                 | 60      | 65.9       | 19      | 20.9       | 7       | 7.7        | 3       | 3.3                | 2       | 2.2   | 95  |                                       |
| 14                                              | 23                 | 17      | 73.9       | 1       | 4.4        | 3       | 13.0       | 1       | 4.4                | 1       | 4.3   | 27  |                                       |
| 20                                              | 51                 | 33      | 64.7       | 15      | 29.4       | 2       | 3.9        | 1       | 2.0                | -       | -     | 40  |                                       |
| 33                                              | 48                 | 26      | 54.2       | 13      | 27.1       | 3       | 6.2        | 2       | 4.2                | 4       | 8.3   | 61  |                                       |
| Total                                           | 332                | 211     |            | 77      |            | 24      |            | 11      |                    | 9       |       | 334 |                                       |
| Average<br>Percent                              |                    |         | 63.6       |         | 23.2       |         | 7.2        |         | 3.3                |         | 2.7   |     |                                       |

TABLE IV  
ANALYSIS OF CONCEPTION RATE  
OF COWS PRESUMED PREGNANT

| Herd<br>No.        | Total<br>Number<br>of Cow-<br>Services | COWS PRESUMED PREGNANT TO |         |            |         |                        |         |
|--------------------|----------------------------------------|---------------------------|---------|------------|---------|------------------------|---------|
|                    |                                        | 1 Service                 |         | 2 Services |         | 3 Services<br>and Over |         |
|                    |                                        | Number                    | Percent | Number     | Percent | Number                 | Percent |
| 2                  | 41                                     | 25                        | 61.0    | 10         | 24.4    | 6                      | 14.6    |
| 5                  | 30                                     | 22                        | 73.3    | 5          | 16.7    | 3                      | 10.3    |
| 6                  | 60                                     | 40                        | 66.6    | 15         | 25.0    | 5                      | 8.3     |
| 14                 | 15                                     | 6                         | 40.0    | 5          | 33.3    | 4                      | 26.7    |
| 20                 | 24                                     | 21                        | 81.5    | 3          | 12.5    | -                      | -       |
| 33                 | 32                                     | 15                        | 46.8    | 9          | 28.2    | 8                      | 25.0    |
| total              | 202                                    | 129                       |         | 47         |         | 26                     |         |
| Average<br>Percent |                                        |                           | 63.9    |            | 23.3    |                        | 12.8    |

TABLE V  
COWS SOLD AND REMOVED FROM MILKING HERD  
DURING PERIOD FROM JUNE 1952 TO JULY 1954

| Herd<br>No.     | Animals Removed<br>from Milking Herd |         | Total Number<br>of Cows in<br>Herd from<br>June 1952 to<br>July 1954 |
|-----------------|--------------------------------------|---------|----------------------------------------------------------------------|
|                 | Number                               | Percent |                                                                      |
| 2               | 9                                    | 12.5    | 72                                                                   |
| 5               | 11                                   | 15.7    | 70                                                                   |
| 6               | 21                                   | 19.3    | 109                                                                  |
| 7               | 33                                   | 27.0    | 122                                                                  |
| 14              | 5                                    | 13.9    | 36                                                                   |
| 20              | 11                                   | 21.2    | 52                                                                   |
| 33              | 27                                   | 30.3    | 89                                                                   |
| Totals          | 117                                  |         | 550                                                                  |
| Average Percent |                                      | 21.3    |                                                                      |

## PRODUCTION RECORDS

Hards 2, 5, 6, 7, 14, 20, and 33

**Note:** Numbers appearing under columnar heading HERD NO.  
indicate individual cows within the herd.

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A. M. E. ** | L. F. C. MILK*** | REMARKS                        |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|-------------|------------------|--------------------------------|
|          |             |             |             |              | # MILK                  | % B.F. | # MILK      | # FAT            |                                |
| 4        | T503574     | 1-11-47     | 6-8*        | 294          | 11762                   | 3.5    | 11742       | 412              | 10861                          |
| "        | "           | 12-16-47    | 7-7         | 303          | 12690                   | 3.9    | 12779       | 492              | 12587                          |
| "        | "           | 3-1-50      | 9-10        | 430          | 15309                   | 4.0    | 15967       | 633              | 15967                          |
| "        | "           | 6-22-51     | 11-1        | 387          | 13989                   | 3.5    | 15178       | 533              | 14040                          |
| "        | "           | 10-3-52     | 12-5        | 375          | 13727                   | 4.2    | 15402       | 575              | 15864                          |
| "        | "           | 1-11-54     | 13-8        | 94           | 4275                    | 4.7    | Incomplete  | Lactation        | Still milking                  |
| 6        | T515944     | 2-28-47     | 3-10        | 294          | 8511                    | 4.1    | 9149        | 372              | 9286                           |
| "        | "           | 2-12-48     | 4-8         | 276          | 8879                    | 4.2    | 9154        | 389              | 9639                           |
| "        | "           | 4-13-49     | 6-0         | 396          | 10673                   | 3.7    | 10673       | 398              | 10193                          |
| "        | "           | 12-6-50     | 7-7         | 251          | 9794                    | 4.0    | 9863        | 392              | 9863                           |
| "        | "           | 10-24-51    | 8-6         | 260          | 7386                    | 4.0    | 7519        | 300              | 7519                           |
| "        | "           | 9-30-52     | 9-5         | 235          | 6120                    | 3.9    | 6310        | 243              | 6215                           |
| "        | "           | 11-2-53     | 10-6        | 115          | 2962                    | 3.7    | Incomplete  | Lactation        | Sold. Low Production           |
| 12       | T503572     | 4-12-47     | 4-6         | 294          | 9790                    | 3.5    | 10152       | 358              | 9391                           |
| "        | "           | 3-26-48     | 5-6         | 310          | 9929                    | 3.6    | 10008       | 359              | 9408                           |
| "        | "           | 6-1-49      | 6-2         | 470          | 9347                    | 3.6    | 9347        | 336              | 8786                           |
| "        | "           | 12-24-50    | 8-3         | 314          | 7663                    | 3.6    | 7778        | 282              | 7311                           |
| "        | "           | 2-29-52     | 9-5         | 223          | 9858                    | 3.7    | 10164       | 378              | 9706                           |
| "        | "           | 12-19-52    | 10-2        | 269          | 6951                    | 3.5    | 7055        | 245              | 6526                           |
| "        | "           | 12-9-53     | 11-1        | 125          | 4362                    | 3.4    | Incomplete  | Lactation        | Premature calf. Still milking. |
| 14       | P5996       | 12-1-47     | 5-3         | 288          | 11177                   | 3.7    | 11333       | 425              | 10823                          |
| "        | "           | 10-25-48    | 6-1         | 313          | 9926                    | 3.8    | 9926        | 377              | 9628                           |
| "        | "           | 11-1-49     | 7-2         | 378          | 11233                   | 3.5    | 11255       | 398              | 10411                          |
| "        | "           | 2-25-51     | 8-5         | 297          | 10080                   | 3.4    | 10251       | 344              | 9328                           |
| "        | "           | 2-20-52     | 9-5         | 298          | 8606                    | 3.5    | 8890        | 307              | 8223                           |
| "        | "           | 3-1-53      | 10-4        | 408          | 10763                   | 3.5    | 11398       | 400              | 10543                          |

\* Age Estimated  
 \*\* Average Mature Equivalent  
 \*\*\* 1/2 Fat Corrected Milk

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % B.F. | A. M. E. # MILK # FAT | 4% F.C. MILK**       | REMARKS                         |
|----------|-------------|-------------|------------|--------------|------------------------------------------|-----------------------|----------------------|---------------------------------|
| 17       | B11025      | 4-16-47     | 3-11*      | 279          | 10474                                    | 4.0                   | 11249                | 11249                           |
| "        | "           | 3-14-48     | 4-10       | 278          | 10543                                    | 3.9                   | 10807                | 10645                           |
| "        | "           | 2-26-49     | 5-9        | 307          | 9512                                     | 3.8                   | 9541                 | 9255                            |
| "        | "           | 4-10-50     | 6-11       | 305          | 10582                                    | 3.9                   | 10582                | 10423                           |
| "        | "           | 3-20-51     | 7-10       | 273          | 9461                                     | 4.0                   | 9556                 | 9556                            |
| "        | "           | 2-23-52     | 8-9        | 234          | 5826                                     | 3.7                   | 5948                 | 5680                            |
| "        | "           | 2-25-53     | 9-9        | 322          | 9360                                     | 4.4                   | 9744                 | 10329                           |
| "        | "           | 3- 8-54     | 10-9       | 37           | 540                                      | 3.5                   | Incomplete Lactation | Still milking.                  |
| 39       | A57289      | 11- 1-47    | 3-0*       | 400          | 10041                                    | 5.7                   | 11457                | 14379                           |
| "        | "           | 1- 7-49     | 4-3        | 365          | 7710                                     | 4.9                   | 8088                 | 9180                            |
| "        | "           | 3-14-50     | 5-5        | 420          | 10469                                    | 5.8                   | 10574                | 13429                           |
| "        | "           | 7- 9-51     | 6-9        | 256          | 7224                                     | 5.6                   | 7224                 | 8958                            |
| "        | "           | 10-30-52    | 8-0        | 288          | 8262                                     | 5.6                   | 8361                 | 10368                           |
| "        | "           | 10- 7-53    | 8-11       | 180          | 5410                                     | 5.5                   | Incomplete Lactation | Still milking.                  |
| 41       | B11031      | 3- 1-47     | 3-0*       | 348          | 10913                                    | 4.5                   | 12452                | 13386                           |
| "        | "           | 3-29-48     | 4-0        | 441          | 11992                                    | 4.4                   | 12747                | 13512                           |
| "        | "           | 7-15-49     | 5-4        | 343          | 10689                                    | 4.4                   | 10817                | 11466                           |
| "        | "           | 6-22-51     | 7-3        | 265          | 8906                                     | 3.7                   | 8933                 | 8531                            |
| "        | "           | 5-27-52     | 8-2        | 284          | 8022                                     | 3.8                   | 8126                 | 7882                            |
| "        | "           | 6-19-53     | 9-3        | 147          | 4340                                     | 3.2                   | Incomplete Lactation | Sold. Mastitis.                 |
| 42       | Z589112     | 5-11-47     | 2-3*       | 295          | 7324                                     | 4.1                   | 8994                 | 9129                            |
| "        | "           | 5- 8-48     | 3-3        | 250          | 9949                                     | 4.1                   | 13431                | 13632                           |
| "        | "           | 4- 5-49     | 4-2        | 328          | 9669                                     | 3.7                   | 9688                 | 9252                            |
| "        | "           | 6-19-50     | 5-4        | 247          | 11430                                    | 3.7                   | 11567                | 11046                           |
| "        | "           | 5-23-51     | 6-3        | 264          | 10870                                    | 3.6                   | 10870                | 10218                           |
| "        | "           | 4-29-52     | 7-2        | 313          | 9689                                     | 3.6                   | 9708                 | 9126                            |
| "        | "           | 5-13-53     | 8-3        | 334          | 8674                                     | 4.8                   | 8804                 | 9860                            |
|          |             |             |            |              |                                          |                       |                      | Still milking. Did not freshen. |

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A. L. E. ** |                      | 1/2 F.C. MILK*** | REMARKS |               |
|----------|-------------|-------------|------------|--------------|-------------------------|--------|-------------|----------------------|------------------|---------|---------------|
|          |             |             |            |              | # MILK                  | % B.F. | # MILK      | # FAT                |                  |         |               |
| 43       | Z589115     | 5-11-47     | 2-4        | 264          | 7476                    | 4.0    | 302         | 9098                 | 368              | 9098    | Still milking |
| "        | "           | 3-22-48     | 3-4        | 357          | 9977                    | 4.1    | 414         | 11104                | 461              | 11271   |               |
| "        | "           | 6-14-49     | 5-4        | 326          | 10212                   | 3.7    | 381         | 10335                | 386              | 9870    |               |
| "        | "           | 7-1-50      | 5-8        | 237          | 8605                    | 3.7    | 316         | 8639                 | 317              | 8250    |               |
| "        | "           | 6-20-51     | 6-7        | 303          | 8733                    | 4.0    | 349         | 8733                 | 349              | 8733    |               |
| "        | "           | 6-20-52     | 7-7        | 278          | 8937                    | 3.3    | 295         | 9000                 | 297              | 8055    |               |
| "        | "           | 11-12-53    | 8-11       | 152          | 3316                    | 3.3    | 109         | Incomplete lactation |                  |         |               |
| 44       | Z545219     | 5-12-47     | 2-0*       | 307          | 7060                    | 3.8    | 268         | 8910                 | 338              | 8643    | Sold          |
| "        | "           | 5-18-48     | 3-1        | 271          | 10234                   | 4.1    | 418         | 11605                | 474              | 11779   |               |
| "        | "           | 3-22-49     | 3-11       | 267          | 7039                    | 3.6    | 250         | 7525                 | 267              | 7074    |               |
| "        | "           | 3-23-50     | 5-0        | 305          | 9218                    | 3.7    | 344         | 9402                 | 351              | 8979    |               |
| "        | "           | 2-24-51     | 5-11       | 244          | 8004                    | 3.8    | 306         | 8012                 | 306              | 7772    |               |
| "        | "           | 3-3-52      | 6-11       | 253          | 7321                    | 3.9    | 288         | 7321                 | 288              | 7211    |               |
| "        | "           | 3-16-53     | 7-11       | 242          | 9430                    | 4.6    | 434         | Incomplete lactation |                  |         |               |
| 48       | T545216     | 4-26-47     | 1-8        | 310          | 9433                    | 3.8    | 368         | 12404                | 484              | 12032   | Still milking |
| "        | "           | 4-10-48     | 2-8        | 337          | 10222                   | 4.1    | 419         | 12031                | 493              | 12211   |               |
| "        | "           | 4-27-49     | 3-8        | 397          | 11076                   | 3.4    | 374         | 32040                | 407              | 10956   |               |
| "        | "           | 7-26-50     | 4-11       | 286          | 12743                   | 3.9    | 492         | 13023                | 503              | 12828   |               |
| "        | "           | 6-18-51     | 5-10       | 326          | 11863                   | 3.5    | 420         | 11887                | 421              | 10995   |               |
| "        | "           | 7-15-52     | 6-11       | 312          | 14752                   | 3.6    | 527         | 14752                | 527              | 13867   |               |
| "        | "           | 7-14-53     | 7-11       | 273          | 11421                   | 3.5    | 401         | Incomplete lactation |                  |         |               |
| 53       | B495134     | 9-19-47     | 2-5*       | 330          | 9378                    | 3.8    | 359         | 11310                | 433              | 10971   | Sold          |
| "        | "           | 9-23-48     | 3-5        | 323          | 6590                    | 3.6    | 235         | 7289                 | 260              | 6852    |               |
| "        | "           | 1-27-50     | 4-8        | 291          | 11145                   | 3.5    | 386         | 11490                | 398              | 10628   |               |
| "        | "           | 1-30-51     | 5-9        | 318          | 10130                   | 3.6    | 365         | 10160                | 366              | 9550    |               |
| "        | "           | 2-7-52      | 6-10       | 196          | 7655                    | 3.5    | 266         | 7655                 | 266              | 7081    |               |
| "        | "           | 2-25-53     | 7-10       | 262          | 8990                    | 3.6    | 319         | Incomplete lactation |                  |         |               |

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % B.F. | A. L. E. # MILK # FAT | 1/2 F.C. MILK | REMARKS       |
|----------|-------------|-------------|-------------|--------------|------------------------------------------|-----------------------|---------------|---------------|
| 94       | T495133     | 11- 2-47    | 2-7*        | 317          | 8000 4.5                                 | 9488 429              | 10200         |               |
| "        | "           | 10-26-48    | 3-6         | 240          | 6005 4.1                                 | 6599 271              | 6698          |               |
| "        | "           | 11-23-49    | 4-7         | 233          | 6447 4.0                                 | 7666 265              | 7666          |               |
| "        | "           | 3-18-51     | 5-11        | 222          | 7266 4.5                                 | 7273 329              | 7818          |               |
| "        | "           | 3-17-52     | 6-11        | 211          | 7376 4.2                                 | 7376 309              | 7597          |               |
| "        | "           | 5-28-53     | 8-1         | 171          | 7207 4.4                                 | Incomplete Lactation  |               | Sold          |
| 98       | T545220     | 5-18-47     | 1-9         | 325          | 7937 3.9                                 | 10326 416             | 10171         |               |
| "        | "           | 5-27-48     | 2-9         | 299          | 9176 4.1                                 | 10718 444             | 10879         |               |
| "        | "           | 7-16-49     | 3-11        | 363          | 8928 3.8                                 | 9544 358              | 9258          |               |
| "        | "           | 10- 7-51    | 6-2         | 309          | 10196 3.8                                | 10206 388             | 9900          |               |
| "        | "           | 10-22-52    | 7-3         | 325          | 9700 3.8                                 | 9729 371              | 9437          |               |
| "        | "           | 12- 4-53    | 8-4         | 138          | 6880 3.8                                 | Incomplete Lactation  |               | Still Milking |
| 11       | Z589117     | 11- 8-47    | 3-2*        | 296          | 8816 4.6                                 | 9936 461              | 10830         |               |
| "        | "           | 10-11-48    | 4-0         | 269          | 7020 4.2                                 | 7462 316              | 7686          |               |
| "        | "           | 10-19-49    | 5-1         | 305          | 9233 4.8                                 | 9399 453              | 10527         |               |
| "        | "           | 2-23-51     | 6-5         | 253          | 8175 4.4                                 | 8175 357              | 8666          | Sold          |
| 55       | Z595248     | 5-11-48     | 2-3         | 351          | 9116 4.0                                 | 11194 446             | 11194         |               |
| "        | "           | 6- 3-49     | 3-4         | 330          | 10075 4.0                                | 11213 454             | 11213         |               |
| "        | "           | 6-14-50     | 4-4         | 298          | 10814 4.0                                | 11301 448             | 11301         |               |
| "        | "           | 6- 3-51     | 5-4         | 375          | 13604 3.7                                | 13767 507             | 13147         |               |
| "        | "           | 8- 1-52     | 6-5         | 356          | 11881 3.9                                | 11881 466             | 11703         |               |
| "        | "           | 9-26-53     | 7-7         | 201          | 7567 3.7                                 | Incomplete Lactation  |               | Still Milking |
| 56       | K443627     | 5-15-48     | 2-3         | 347          | 8892 4.4                                 | 10919 475             | 11574         |               |
| "        | "           | 6- 7-49     | 3-3         | 372          | 9196 3.9                                 | 10300 404             | 10146         |               |
| "        | "           | 8-29-50     | 4-6         | 319          | 9857 4.0                                 | 10222 412             | 10222         |               |
| "        | "           | 9-10-51     | 5-7         | 276          | 10306 4.4                                | 10368 452             | 10990         |               |
| "        | "           | 10-14-52    | 6-8         | 282          | 9443 3.8                                 | 9443 356              | 9160          |               |
| "        | "           | 3-14-54     | 8-1         | 31           | 1767 4.3                                 | Incomplete Lactation  |               | Still Milking |

## PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.NO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |       | % B.F. | # FAT                | A. M. E.** |       | % F.C. MILK**        | REMARKS |
|----------|-------------|-------------|------------|--------------|-------------------------|-------|--------|----------------------|------------|-------|----------------------|---------|
|          |             |             |            |              | # MILK                  | # FAT |        |                      | # MILK     | # FAT |                      |         |
| 57       | Z595249     | 5-22-48     | 2-3        | 290          | 8133                    | 4.3   | 346    | 9987                 | 425        | 10436 | Dry. Did not freshen |         |
| "        | "           | 3-13-49     | 3-1        | 307          | 7189                    | 4.8   | 343    | 8152                 | 389        | 9130  |                      |         |
| "        | "           | 5-1-50      | 4-3        | 227          | 11234                   | 4.0   | 451    | 11784                | 473        | 11784 |                      |         |
| "        | "           | 4-10-51     | 5-2        | 217          | 8462                    | 4.3   | 361    | 8597                 | 367        | 8984  |                      |         |
| "        | "           | 4-29-52     | 6-3        | 313          | 10366                   | 4.0   | 414    | 10366                | 414        | 10366 |                      |         |
| "        | "           | 6-6-53      | 7-4        | 221          | 8099                    | 5.0   | 408    | 8131                 | 410        | 9351  |                      |         |
| 60       | Z595250     | 9-4-48      | 3-6*       | 292          | 9583                    | 4.6   | 440    | 10532                | 484        | 11480 | Still milking        |         |
| "        | "           | 8-5-49      | 4-5        | 327          | 9882                    | 4.3   | 424    | 10287                | 441        | 10750 |                      |         |
| "        | "           | 8-21-50     | 5-5        | 327          | 10107                   | 4.2   | 388    | 10208                | 392        | 10514 |                      |         |
| "        | "           | 9-12-51     | 6-6        | 305          | 11125                   | 4.6   | 510    | 11125                | 510        | 12126 |                      |         |
| "        | "           | 8-17-52     | 7-5        | 340          | 12525                   | 4.3   | 536    | 12588                | 539        | 13154 |                      |         |
| "        | "           | 9-27-53     | 8-6        | 199          | 8345                    | 4.4   | 367    | Incomplete Lactation |            |       |                      |         |
| 61       | 7B8163      | 9-6-48      | 3-6*       | 311          | 7239                    | 5.0   | 360    | 7956                 | 396        | 9149  | Sold                 |         |
| "        | "           | 8-8-49      | 3-5        | 356          | 6934                    | 3.9   | 387    | 7669                 | 428        | 7554  |                      |         |
| "        | "           | 9-23-50     | 4-6        | 294          | 7740                    | 5.4   | 417    | 8026                 | 432        | 9711  |                      |         |
| "        | "           | 8-27-51     | 5-5        | 291          | 7080                    | 5.3   | 372    | 7151                 | 376        | 8545  |                      |         |
| "        | "           | 11-11-52    | 6-8        | 306          | 6048                    | 5.1   | 306    | 6048                 | 306        | 7046  |                      |         |
| "        | "           | 11-16-53    | 7-8        | 102          | 2252                    | 6.4   | 144    | Incomplete Lactation |            |       |                      |         |
| 62       | 7B8161      | 9-20-48     | 2-6*       | 359          | 5843                    | 5.2   | 301    | 6982                 | 360        | 8239  | Still milking        |         |
| "        | "           | 7-6-51      | 5-3        | 324          | 7114                    | 5.7   | 409    | 7214                 | 415        | 9054  |                      |         |
| "        | "           | 8-3-52      | 6-4        | 345          | 8629                    | 5.2   | 449    | 8629                 | 449        | 10182 |                      |         |
| "        | "           | 8-22-53     | 7-4        | 218          | 5630                    | 6.3   | 354    | Incomplete Lactation |            |       |                      |         |
| "        | "           | 11-1-48     | 3-8*       | 286          | 3641                    | 4.7   | 171    | 3958                 | 186        | 4374  |                      |         |
| 63       | 1B9812      | 1-22-50     | 5-0        | 305          | 8256                    | 4.7   | 387    | 8421                 | 395        | 9305  | Moved to beef herd.  |         |
| "        | "           | 4-17-51     | 6-3        | 286          | 3849                    | 4.7   | 181    | 3849                 | 181        | 4253  |                      |         |
| "        | "           | 3-17-52     | 7-2        | 119          | 2185                    | 3.7   | 81     | Incomplete Lactation |            |       |                      |         |

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS # MILK | % B.F. | # FAT | A. M. E. # MILK      | % FAT | 1/2 F. C. MILK | REMARKS                    |
|----------|-------------|-------------|-------------|--------------|--------------------------------|--------|-------|----------------------|-------|----------------|----------------------------|
| 99       | 2595440     | 8-28-48     | 1-9         | 243          | 3777                           | 6.5    | 246   | 4914                 | 320   | 6757           | Low prod. Off. test.       |
| "        | "           | 7-24-49     | 2-8         | 113          | 2210                           | 5.0    | 111   | 5591                 | 324   | 7101           |                            |
| "        | "           | 10-18-51    | 4-11        | 240          | 5471                           | 5.8    | 317   |                      |       |                | Sold 55/53. Low Production |
| "        | "           | 10-3-52     | 5-11        | 223          | 3175                           | 5.0    | 160   |                      |       |                |                            |
| 58       | (242584)    | 2-10-49     | 5-5*        | 450          | 9916                           | 4.6    | 456   | 10015                | 461   | 10916          |                            |
| "        | (BR55889)   | 7-23-50     | 6-10        | 356          | 9141                           | 4.4    | 403   | 9141                 | 403   | 9689           |                            |
| "        | "           | 8-9-51      | 7-11        | 291          | 9790                           | 4.1    | 404   | 9898                 | 408   | 10046          |                            |
| "        | "           | 7-29-52     | 8-11        | 298          | 8653                           | 4.4    | 380   | 8852                 | 389   | 9383           |                            |
| "        | "           | 8-29-53     | 10-0        | 181          | 3629                           | 3.8    | 139   | Incomplete Lactation |       |                | Sold                       |
| 67       | 2595487     | 7-7-49      | 2-6*        | 434          | 6010                           | 4.4    | 265   | 7182                 | 317   | 7613           |                            |
| "        | "           | 2-3-51      | 4-1         | 265          | 9452                           | 3.8    | 363   | 10000                | 384   | 9700           |                            |
| "        | "           | 1-15-52     | 5-0         | 303          | 9497                           | 4.2    | 396   | 9687                 | 404   | 9978           |                            |
| "        | "           | 4-13-53     | 6-3         | 274          | 11272                          | 4.4    | 502   | 11272                | 502   | 11948          |                            |
| "        | "           | 3-26-54     | 7-2         | 18           | 697                            | 6.3    | 44    | Incomplete Lactation |       |                | Still milking              |
| 68       | 2595566     | 7-23-49     | 2-3         | 418          | 7156                           | 3.9    | 277   | 8788                 | 340   | 8656           |                            |
| "        | "           | 12-17-50    | 3-8         | 271          | 10365                          | 3.8    | 393   | 11267                | 427   | 10929          |                            |
| "        | "           | 11-12-51    | 4-6         | 298          | 10276                          | 3.8    | 388   | 10656                | 402   | 10336          |                            |
| "        | "           | 12-28-52    | 5-8         | 290          | 10225                          | 3.7    | 379   | 10266                | 381   | 9804           |                            |
| "        | "           | 1-9-54      | 6-8         | 96           | 4728                           | 3.9    | 184   | Incomplete Lactation |       |                | Still milking              |
| 69       | 2595486     | 7-24-49     | 2-7         | 355          | 7293                           | 4.7    | 343   | 8649                 | 407   | 9557           |                            |
| "        | "           | 10-3-50     | 3-9         | 315          | 8796                           | 4.5    | 392   | 8796                 | 392   | 9456           |                            |
| "        | "           | 11-9-51     | 4-10        | 290          | 9321                           | 3.9    | 368   | 9554                 | 377   | 9411           |                            |
| "        | "           | 12-24-52    | 6-0         | 232          | 8457                           | 5.2    | 329   | 8457                 | 329   | 9979           |                            |
| "        | "           | 1-16-54     | 7-0         | 88           | 1599                           | 4.1    | 65    | Incomplete Lactation |       |                | Still milking              |
| 71       | 2595441     | 8-6-49      | 2-10        | 394          | 8502                           | 4.1    | 345   | 9854                 | 400   | 10889          |                            |
| "        | "           | 12-4-50     | 4-1         | 284          | 9847                           | 3.8    | 371   | 10418                | 393   | 10105          |                            |
| "        | "           | 12-18-51    | 5-2         | 301          | 9580                           | 3.7    | 351   | 9733                 | 357   | 9295           |                            |
| "        | "           | 2-22-53     | 6-4         | 264          | 7180                           | 3.5    | 248   | 7180                 | 248   | 6642           | Dry. Did not freshen.      |

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS | # MILK | % B.F. | # FAT                | A. I. # MILK         | E. # FAT             | 1/2 F.C. MILK*** | REMARKS               |
|----------|-------------|-------------|------------|--------------|-------------------------|--------|--------|----------------------|----------------------|----------------------|------------------|-----------------------|
| 72       | 2595188     | 8-24-49     | 2-8        | 355          | 7940                    | 4.0    | 320    | 377                  | 9345                 | 377                  | 9345             | Dry. Did not freshen. |
| "        | "           | 12-7-50     | 3-11       | 250          | 8430                    | 4.4    | 368    | 393                  | 9012                 | 393                  | 9553             |                       |
| "        | "           | 11-4-51     | 4-10       | 295          | 9894                    | 4.6    | 454    | 465                  | 10141                | 465                  | 11054            |                       |
| "        | "           | 3-14-53     | 6-3        | 244          | 6270                    | 3.9    | 244    | 244                  | 6270                 | 244                  | 6176             |                       |
| 74       | 1110157     | 11-23-49    | 2-5*       | 417          | 7885                    | 5.0    | 398    | 480                  | 9509                 | 480                  | 10935            | Dry. Did not freshen. |
| "        | "           | 3-8-51      | 3-9        | 328          | 8553                    | 5.0    | 429    | 464                  | 9246                 | 464                  | 10633            |                       |
| "        | "           | 4-29-52     | 4-10       | 313          | 9227                    | 5.1    | 466    | 478                  | 9458                 | 478                  | 11019            |                       |
| "        | "           | 5-1-53      | 5-11       | 316          | 9902                    | 4.8    | 476    | 476                  | 9912                 | 476                  | 11101            |                       |
| 76       | 1110160     | 11-24-49    | 2-5*       | 273          | 5396                    | 5.7    | 305    | 368                  | 6508                 | 368                  | 8168             | Dry. Did not freshen. |
| "        | "           | 2-27-51     | 3-8        | 233          | 8058                    | 5.6    | 449    | 488                  | 8759                 | 488                  | 10861            |                       |
| "        | "           | 2-16-52     | 4-8        | 241          | 6225                    | 5.5    | 340    | 351                  | 6418                 | 351                  | 7862             |                       |
| "        | "           | 4-12-53     | 5-10       | 276          | 7503                    | 5.4    | 402    | 403                  | 7518                 | 403                  | 9097             |                       |
| 77       | 2595564     | 11-26-49    | 2-7        | 305          | 7383                    | 5.4    | 400    | 474                  | 8756                 | 474                  | 10595            | Still milking         |
| "        | "           | 10-13-50    | 3-5        | 305          | 7189                    | 5.7    | 407    | 450                  | 7951                 | 450                  | 9979             |                       |
| "        | "           | 10-15-51    | 4-5        | 364          | 9567                    | 5.2    | 494    | 514                  | 9959                 | 514                  | 11752            |                       |
| "        | "           | 12-23-52    | 5-8        | 263          | 7674                    | 5.2    | 396    | 398                  | 7705                 | 398                  | 9092             |                       |
|          |             | 1-10-54     | 6-8        | 95           | 3730                    | 5.1    | 191    | Incomplete lactation | Incomplete lactation | Incomplete lactation |                  |                       |
| 79       | 301643      | 12-6-49     | 2-6        | 373          | 7062                    | 5.1    | 358    | 428                  | 8439                 | 428                  | 9831             | Still milking         |
| "        | "           | 2-3-51      | 3-8        | 314          | 7361                    | 5.2    | 385    | 418                  | 8001                 | 418                  | 9441             |                       |
| "        | "           | 10-31-52    | 5-5        | 284          | 6764                    | 4.9    | 330    | 333                  | 6832                 | 333                  | 7754             |                       |
| "        | "           | 11-3-53     | 6-5        | 146          | 4272                    | 5.2    | 222    | Incomplete lactation | Incomplete lactation | Incomplete lactation |                  |                       |
| 80       | 2595562     | 12-8-49     | 2-8        | 433          | 9615                    | 3.8    | 365    | 430                  | 11317                | 430                  | 10977            | Still milking         |
| "        | "           | 4-25-51     | 4-0        | 306          | 9115                    | 4.5    | 408    | 434                  | 9689                 | 434                  | 10416            |                       |
| "        | "           | 5-24-52     | 5-1        | 324          | 12880                   | 4.0    | 521    | 530                  | 13112                | 530                  | 13112            |                       |
| "        | "           | 8-28-53     | 6-4        | 242          | 9758                    | 3.8    | 375    | Incomplete lactation | Incomplete lactation | Incomplete lactation |                  |                       |

# PRODUCTION RECORDS OF HEED #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |       | 3 B.F. | A. I. E. ** |           | 1/2 F.C. MILK*** | REMARKS                         |
|----------|-------------|-------------|-------------|--------------|-------------------------|-------|--------|-------------|-----------|------------------|---------------------------------|
|          |             |             |             |              | # MILK                  | # FAT |        | # MILK      | # FAT     |                  |                                 |
| 81       | 304633      | 12-14-49    | 2-6*        | 365          | 6800                    | 4.7   | 321    | 8126        | 384       | 8979             | Sold.                           |
| "        | "           | 2-5-51      | 3-8         | 230          | 5829                    | 4.0   | 236    | 6336        | 257       | 6336             |                                 |
| "        | "           | 2-23-52     | 4-8         | 234          | 5296                    | 4.4   | 234    |             |           |                  |                                 |
| 73       | 1101255     | 11-16-49    | 2-5*        | 478          | 7123                    | 5.2   | 369    | 8590        | 445       | 10136            | Sold.                           |
| "        | "           | 4-10-51     | 3-10        | 263          | 9545                    | 5.0   | 475    | 10261       | 511       | 11800            |                                 |
| "        | "           | 3-7-52      | 4-9         | 220          | 7900                    | 5.2   | 409    |             |           |                  |                                 |
| 83       | 2595561     | 12-31-49    | 2-9         | 305          | 8814                    | 3.8   | 339    | 10295       | 396       | 9986             | Sold.                           |
| "        | "           | 1-29-51     | 3-10        | 394          | 9405                    | 3.8   | 360    | 10110       | 387       | 9807             |                                 |
| 75       | 1101055     | 11-24-49    | 2-5*        | 354          | 8471                    | 5.3   | 446    | 10216       | 538       | 12208            | Sold.                           |
| 84       | 304654      | 1-5-50      | 2-9*        | 313          | 7060                    | 5.5   | 386    | 8246        | 451       | 10101            | Dry. Did not freshen.           |
| "        | "           | 1-23-51     | 3-10        | 264          | 5588                    | 5.4   | 300    | 6007        | 323       | 7268             |                                 |
| "        | "           | 4-24-52     | 5-1         | 324          | 9157                    | 5.3   | 489    | 9322        | 498       | 11140            |                                 |
| "        | "           | 5-17-53     | 6-1         | 359          | 7516                    | 5.2   | 390    | 7516        | 390       | 8869             |                                 |
| 85       | 9289657     | 9-20-50     | 2-6         | 391          | 7958                    | 4.2   | 338    | 9510        | 404       | 9795             | Still milking.                  |
| "        | "           | 11-14-51    | 3-8         | 304          | 8539                    | 4.3   | 370    | 9282        | 402       | 9700             |                                 |
| "        | "           | 11-22-52    | 4-8         | 295          | 11084                   | 4.2   | 465    | 12048       | 505       | 12409            |                                 |
| "        | "           | 11-16-53    | 5-8         | 143          | 7028                    | 4.8   | 337    | Incomplete  | Lactation |                  |                                 |
| 87       | 1101252     | 9-21-50     | 3-1*        | 538          | 7186                    | 5.6   | 406    | 8149        | 460       | 10105            | Did not freshen. Still milking. |
| "        | "           | 6-14-52     | 4-9         | 283          | 8747                    | 5.8   | 507    | 8992        | 521       | 11420            |                                 |
| "        | "           | 5-25-53     | 5-9         | 323          | 9241                    | 5.5   | 510    | 9269        | 512       | 11355            |                                 |
| 88       | 1101258     | 9-27-50     | 3-2*        | 412          | 7518                    | 4.9   | 366    | 8473        | 412       | 9617             | Still milking.                  |
| "        | "           | 1-20-52     | 4-6         | 297          | 11049                   | 4.4   | 488    | 11458       | 506       | 12145            |                                 |
| "        | "           | 2-5-53      | 5-6         | 281          | 11069                   | 4.0   | 448    | 11158       | 452       | 11158            |                                 |
| "        | "           | 1-31-54     | 6-6         | 73           | 3467                    | 4.0   | 137    | Incomplete  | Lactation |                  |                                 |

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | # MILK | % B.F.     | # FAT     | A. M. E. ** |                          | L3 F.C. MILK*** | REMARKS |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|--------|------------|-----------|-------------|--------------------------|-----------------|---------|
|          |             |             |             |              | # MILK                  | % B.F. |        |            |           | # MILK      | # FAT                    |                 |         |
| 89       | 1101075     | 10-4-50     | 2-7*        | 405          | 7131                    | 4.1    | 293    | 8457       | 347       | 8584        | Still milking            |                 |         |
| "        | "           | 1-10-52     | 4-4         | 278          | 9082                    | 4.3    | 387    | 9491       | 404       | 9918        |                          |                 |         |
| "        | "           | 1-7-53      | 5-4         | 197          | 6181                    | 3.9    | 242    | Incomplete | Lactation |             |                          |                 |         |
| "        | "           | 1-31-54     | 6-4         | 73           | 2905                    | 3.9    | 114    | Incomplete | Lactation |             |                          |                 |         |
| 91       | 1101349     | 11-18-50    | 2-4*        | 360          | 6583                    | 5.9    | 387    | 8012       | 471       | 10295       | Still milking            |                 |         |
| "        | "           | 1-10-52     | 4-5         | 308          | 8018                    | 6.0    | 483    | 8347       | 503       | 10851       |                          |                 |         |
| "        | "           | 1-27-53     | 5-6         | 290          | 7111                    | 6.2    | 441    | 7168       | 445       | 9533        |                          |                 |         |
| "        | "           | 1-19-54     | 6-6         | 85           | 2581                    | 6.4    | 164    | Incomplete | Lactation |             |                          |                 |         |
| 92       | 92B9654     | 12-9-50     | 3-0         | 247          | 6788                    | 4.0    | 273    | 7745       | 311       | 7745        | Sold 5/17/53 Non-Breeder |                 |         |
| "        | "           | 3-16-52     | 4-4         | 424          | 10901                   | 3.8    | 417    | 11392      | 436       | 11050       |                          |                 |         |
| 93       | 2589280     | 2-19-51     | 2-11        | 389          | 8046                    | 4.3    | 350    | 9253       | 403       | 9669        | Still milking            |                 |         |
| "        | "           | 6-1-52      | 4-3         | 316          | 8480                    | 4.2    | 352    | 8929       | 371       | 9197        |                          |                 |         |
| "        | "           | 6-16-53     | 5-3         | 301          | 7849                    | 4.7    | 367    | Incomplete | Lactation |             |                          |                 |         |
| 95       | 2589299     | 2-20-51     | 2-9         | 418          | 7536                    | 3.9    | 294    | 8802       | 343       | 8670        |                          |                 |         |
| "        | "           | 7-13-52     | 4-2         | 238          | 5586                    | 3.7    | 207    | 5882       | 218       | 5617        | Still milking            |                 |         |
| "        | "           | 8-2-53      | 5-2         | 237          | 6476                    | 4.3    | 278    | Incomplete | Lactation |             |                          |                 |         |
| 96       | 2589298     | 3-6-51      | 2-10        | 374          | 8389                    | 4.0    | 339    | 9723       | 393       | 9723        | Dry. Did not freshen     |                 |         |
| "        | "           | 6-20-52     | 4-1         | 268          | 11762                   | 3.8    | 452    | 12444      | 478       | 12071       |                          |                 |         |
| "        | "           | 6-14-53     | 5-1         | 272          | 8416                    | 4.5    | 375    | 8567       | 382       | 9210        |                          |                 |         |
| 97       | 92B9656     | 9-21-51     | 3-7         | 328          | 7906                    | 5.2    | 411    | 8641       | 449       | 10196       |                          |                 |         |
| "        | "           | 11-4-52     | 4-8         | 374          | 8513                    | 4.8    | 407    | 8777       | 420       | 9830        | Still milking            |                 |         |
| "        | "           | 1-21-54     | 5-10        | 83           | 2404                    | 4.7    | 112    | Incomplete | Lactation |             |                          |                 |         |
| 100      | K490282     | 10-16-51    | 2-3*        | 262          | 6517                    | 3.8    | 245    | 8003       | 301       | 7763        | Still milking            |                 |         |
| "        | "           | 12-30-52    | 3-5         | 175          | 5125                    | 4.2    | 215    | Incomplete | Lactation |             |                          |                 |         |
| "        | "           | 3-9-54      | 4-8         | 36           | 1525                    | 4.5    | 68     | Incomplete | Lactation |             |                          |                 |         |

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A.M. E.**  |           | 4% F.C. MILK | REMARKS                         |
|----------|-------------|-------------|------------|--------------|-------------------------|--------|------------|-----------|--------------|---------------------------------|
|          |             |             |            |              | # MILK                  | % B.F. | # MILK     | # FAT     |              |                                 |
| 101      | K190281     | 10-15-51    | 2-2*       | 364          | 7526                    | 5.4    | 9325       | 508       | 11283        | Still milking                   |
| "        | "           | 1-12-53     | 3-5        | 274          | 9552                    | 4.8    | 10565      | 507       | 11833        |                                 |
| "        | "           | 12-13-53    | 4-4        | 119          | 4668                    | 5.2    | Incomplete | Lactation |              |                                 |
| 105      | K190280     | 11-4-51     | 2-2*       | 312          | 6850                    | 4.9    | 8487       | 419       | 9633         | Dry. Did not freshen            |
| "        | "           | 11-18-52    | 3-3        | 268          | 6110                    | 5.1    | 6843       | 347       | 7972         |                                 |
| 106      | BT37935     | 11-12-51    | 6-0        | 245          | 7169                    | 3.9    | 7169       | 281       | 7061         | Dry. Did not freshen            |
| "        | "           | 11-12-52    | 7-0        | 229          | 5357                    | 3.9    | 5357       | 207       | 5277         |                                 |
| 107      | G215        | 12-14-51    | 7-2        | 274          | 8638                    | 4.2    | 8655       | 363       | 8915         | Sold                            |
| 102      | B291453     | 8-1-52      | 4-4        | 225          | 6800                    | 3.1    | 7106       | 223       | 6147         | Still milking                   |
| "        | "           | 7-8-53      | 5-3        | 279          | 6772                    | 4.7    | Incomplete | Lactation |              |                                 |
| 108      | 92B9565     | 1-18-52     | 2-5        | 302          | 8433                    | 4.7    | 10170      | 476       | 11238        | Dry. Did not freshen.           |
| "        | "           | 1-22-53     | 3-5        | 286          | 7013                    | 4.1    | 7756       | 320       | 7872         |                                 |
| 110      | 92B9195     | 7-24-52     | 2-0        | 284          | 7628                    | 4.0    | Incomplete | Lactation |              | Aborted.                        |
| "        | "           | 5-6-53      | 2-9        | 344          | 8483                    | 4.1    | 9908       | 402       | 10057        | Did not freshen. Still milking. |
| 111      | 92B9545     | 8-16-52     | 2-6        | 332          | 9336                    | 3.9    | 11157      | 430       | 10990        | Still milking                   |
| "        | "           | 8-19-53     | 3-6        | 239          | 5040                    | 4.5    | Incomplete | Lactation |              |                                 |
| 112      | 92B9547     | 9-7-52      | 2-6        | 289          | 7929                    | 3.6    | 9475       | 344       | 8907         | Still milking                   |
| "        | "           | 7-28-53     | 3-4        | 209          | 4951                    | 3.5    | Incomplete | Lactation |              |                                 |
| Dime     | 92E9808     | 7-20-53     | 1-9        | 268          | 6358                    | 4.4    | Incomplete | Lactation |              | Still milking                   |
| 103      | K180505     | 7-25-52     | 5-11       | 262          | 9696                    | 4.1    | 9690       | 400       | 9835         | Still milking                   |
| "        | "           | 8-29-53     | 7-0        | 209          | 6449                    | 4.0    | Incomplete | Lactation |              |                                 |

# PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED          | AGE YR. MO.  | DAYS IN MILK | RECORD-305 DAYS OR LESS # MILK | 3 B.F. # FAT | A. M. E. # MILK               | E. # FAT                    | 1st F.C. MILK | REMARKS              |
|----------|-------------|----------------------|--------------|--------------|--------------------------------|--------------|-------------------------------|-----------------------------|---------------|----------------------|
| 104 "    | K190279 "   | 10-30-51<br>10-15-53 | 2-1<br>4-0   | 570<br>175   | 7487<br>5068                   | 4.8<br>4.2   | 9357<br>Incomplete lactation  | 445<br>Incomplete lactation | 10473         | Still milking        |
| 109 "    | 2098 "      | 6-25-52<br>10-26-53  | 1-7<br>2-10  | 332<br>154   | 5406<br>4118                   | 4.9<br>4.7   | 7185<br>Incomplete lactation  | 354<br>Incomplete lactation | 8155          | Still milking        |
| C. Belle | 92B9819 "   | 10-31-52<br>10- 3-53 | 2-6<br>3-5   | 315<br>166   | 7358<br>4474                   | 4.3<br>4.4   | 8793<br>Incomplete lactation  | 382<br>Incomplete lactation | 9189          | Still milking        |
| Rose     | 92B9516     | 11-22-52             | 2-6          | 295          | 7054                           | 4.3          | 8430                          | 363                         | 8809          | Dry. Did not freshen |
|          | #1A "       | 12-11-52<br>10-20-53 | 4-0*<br>4-10 | 272<br>177   | 10820<br>3841                  | 3.7<br>4.0   | 11502<br>Incomplete lactation | 424<br>Incomplete lactation | 10984         | Still milking        |
|          | #2A "       | 12- 4-52<br>1-11-54  | 4-0*<br>5-1  | 313<br>90    | 7356<br>3579                   | 4.3<br>4.5   | 7819<br>Incomplete lactation  | 339<br>Incomplete lactation | 8171          | Still milking        |
|          | #3A "       | 12-11-52<br>1-11-54  | 4-0*<br>5-1  | 303<br>90    | 9073<br>3979                   | 3.7<br>3.6   | 9645<br>Incomplete lactation  | 360<br>Incomplete lactation | 9211          | Still milking        |
|          | #4A         | 12-11-52             | 4-0*         | 395          | 8817                           | 3.5          | 9372                          | 327                         | 8669          | Dry. Did not freshen |
|          | #5A "       | 1-13-53<br>1- 9-54   | 4-1*<br>5-0  | 304<br>95    | 10833<br>3795                  | 4.0<br>3.9   | 11461<br>Incomplete lactation | 459<br>Incomplete lactation | 11461         | Still milking        |
| Buzz     | 92V8244     | 11-16-53             | 4-0*         | 133          | 4410                           | 3.4          | Incomplete lactation          | Incomplete lactation        |               | Still milking        |
|          | Marie       | 10-20-53             | 2-6*         | 176          | 5666                           | 4.1          | Incomplete lactation          | Incomplete lactation        |               | Still milking        |
|          | Nancy       | 10-17-53             | 2-6*         | 178          | 4618                           | 4.2          | Incomplete lactation          | Incomplete lactation        |               | Still milking        |
|          | Sweet-heart | 10-30-53             | 2-6*         | 151          | 4498                           | 4.1          | Incomplete lactation          | Incomplete lactation        |               | Still milking        |

PRODUCTION RECORDS OF HERD #2

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.NO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br>##MILK % B.F. # FAT | A. M. E. **<br>#MILK # FAT | 4% F.C.<br>MILK*** | REMARKS       |
|----------|-------------|-------------|------------|--------------|------------------------------------------------|----------------------------|--------------------|---------------|
| Tess     | Princess    | 10-25-53    | 2-6*       | 151          | 4168 3.7 156                                   | Incomplete Lactation       |                    | Still milking |
|          | 92F9825     | 2-17-54     | 1-11       | 56           | 1587 4.3 69                                    | Incomplete Lactation       |                    | Still milking |
|          | 141         | 10-11-53    | 2-6*       | 169          | 4171 5.2 215                                   | Incomplete Lactation       |                    | Still milking |
|          | Roxy        | 7- 1-53     | 2-6*       | 286          | 7527 4.6 350                                   | Incomplete Lactation       |                    | Still milking |

# PRODUCTION RECORDS OF HEED #5

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A. L. E. **<br># MILK # FAT | 1/2 F.C.<br># MILK *** | REMARKS       |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|-----------------------------|------------------------|---------------|
|          |             |             |             |              | % MILK                  | % B.F. |                             |                        |               |
| 3 "      | 47-7706     | 10-12-52    | 5-0*        | 272          | 13469                   | 3.3    | 449                         | 13698                  | Still milking |
|          | "           | 8-30-53     | 5-10        | 222          | 7761                    | 3.3    | 254                         | Incomplete Lactation   |               |
| 13 "     | KL90568     | 10-12-52    | 2-0*        | 274          | 9165                    | 2.9    | 261                         | 12620                  | Still milking |
|          | "           | 8-13-53     | 2-10        | 240          | 6241                    | 3.4    | 209                         | Incomplete Lactation   |               |
| 31 "     | KL90559     | 8-24-52     | 3-6*        | 258          | 9234                    | 3.3    | 308                         | 10444                  | Still milking |
|          | "           | 7-21-53     | 4-4         | 263          | 8114                    | 3.6    | 288                         | Incomplete Lactation   |               |
| 32 "     | KL42619     | 10-25-52    | 7-1*        | 258          | 13877                   | 3.3    | 459                         | 13974                  | Still milking |
|          | "           | 8-29-53     | 7-11        | 224          | 10265                   | 3.2    | 325                         | Incomplete Lactation   |               |
| 35 "     | KL90554     | 10-23-52    | 7-8*        | 219          | 6100                    | 3.3    | 196                         | 7929                   | Still milking |
|          | "           | 9-12-53     | 8-6         | 210          | 5663                    | 3.6    | 202                         | Incomplete Lactation   |               |
| 36 "     | K504234     | 11- 1-52    | 7-1*        | 190          | 4173                    | 3.9    | 164                         | 4177                   | Still milking |
|          | "           | 9-18-53     | 7-11        | 204          | 3462                    | 3.4    | 118                         | Incomplete Lactation   |               |
| 37 "     | BL76704     | 10- 7-52    | 4-7*        | 265          | 9333                    | 3.7    | 343                         | 9632                   | Still milking |
|          | "           | 9- 8-53     | 5-5         | 124          | 5043                    | 3.6    | 181                         | Incomplete Lactation   |               |
| 38 "     | KL47895     | 10-25-52    | 6-1*        | 247          | 6679                    | 4.3    | 284                         | 6679                   | Still milking |
|          | "           | 8-28-53     | 6-11        | 135          | 3630                    | 4.3    | 157                         | Incomplete Lactation   |               |
| 40 "     | KL74442     | 10-23-52    | 7-8*        | 263          | 12019                   | 3.7    | 446                         | 12187                  | Still milking |
|          | "           | 9-22-53     | 8-7         | 200          | 5707                    | 4.2    | 237                         | Incomplete Lactation   |               |

\* Age Estimated  
 \*\* Average Mature Equivalent  
 \*\*\* 1/2 Fat Corrected MILK

# PRODUCTION RECORDS OF HERD #5

| HERD NO. | EAR TAG NO.  | DATE CALVED        | AGE YR. MO.   | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % B.F. # FAT | A. M. E. **<br># MILK # FAT | 1/2 F. O. MILK ***                     | REMARKS                       |
|----------|--------------|--------------------|---------------|--------------|------------------------------------------------|-----------------------------|----------------------------------------|-------------------------------|
| 41       | B93068       | 10-17-52           | 7-4*          | 205          | 11072<br>4.0                                   | 440                         | Died 5-11                              | Intern. Injuries - Prem. Calv |
| 42       | 49-5912<br>" | 9-20-52<br>9-11-53 | 5-3*<br>6-2   | 308<br>211   | 12934<br>8778<br>3.4<br>3.3                    | 434<br>290                  | 13076<br>Incomplete Lactation<br>11899 | Still milking                 |
| 44       | K447834<br>" | 9- 9-52<br>7-16-53 | 4-11*<br>5-9  | 304<br>269   | 10560<br>9185<br>2.8<br>3.4                    | 298<br>308                  | 10560<br>Incomplete Lactation<br>8659  | Still milking                 |
| 45       | C984110<br>" | 9- 1-52<br>8-12-53 | 5-11*<br>6-10 | 280<br>241   | 9553<br>8441<br>2.8<br>3.4                     | 266<br>285                  | 9744<br>Incomplete Lactation<br>7990   | Still milking                 |
| 46       | 45<br>"      | 9-15-52<br>7-13-53 | 2-0*<br>2-10  | 237<br>240   | 5295<br>5687<br>5.0<br>4.2                     | 262<br>239                  | 7291<br>6591<br>361<br>277             | Dry. Did not freshen.         |
| 47       | K490572<br>" | 9-23-52<br>8-23-53 | 2-0*<br>2-11  | 261<br>230   | 8736<br>6406<br>3.5<br>3.5                     | 307<br>225                  | 12029<br>Incomplete Lactation<br>11127 | Still milking                 |
| 48       | K490568<br>" | 9-28-52<br>8-13-53 | 2-0*<br>2-10  | 273<br>240   | 9035<br>5943<br>3.5<br>3.6                     | 318<br>212                  | 12441<br>Incomplete Lactation<br>11508 | Still milking                 |
| 1        | A1194        | 2-18-53            | 9-0*          | 326          | 9093<br>3.4                                    | 309                         | 9584<br>326<br>8721                    | Dry. Did not freshen.         |
| 2        | K490551<br>" | 3-11-53<br>3- 3-54 | 5-8*<br>6-7   | 305<br>38    | 12249<br>2440<br>3.7<br>3.3                    | 458<br>80                   | 12298<br>Incomplete Lactation<br>11745 | Still milking                 |
| 5        | K490555<br>" | 3-21-53<br>2- 7-54 | 4-1*<br>5-0   | 298<br>62    | 11880<br>3156<br>3.6<br>3.3                    | 424<br>103                  | 12712<br>Incomplete Lactation<br>11949 | Still milking                 |
| 10       | K504993      | 1-27-53            | 4-1*          | 226          | 11129<br>3.7                                   | 446                         | 11674<br>436<br>11449                  | Dry. Did not freshen.         |

# PRODUCTION RECORDS OF HERD #5

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.NO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % B.F. # FAT | A. L. E. # MILK # FAT | 4% F.C. MILK*** | REMARKS                |
|----------|-------------|-------------|------------|--------------|------------------------------------------------|-----------------------|-----------------|------------------------|
| 15       | K190573     | 5-21-53     | 4-7*       | 293          | 10940 3.2 349                                  | 11617 360             | 10223           | Dry. Did not freshen.  |
| 16       | "           | 1- 2-53     | 4-10*      | 220          | 6467 4.1 264                                   | 6616 270              | 6715            | Still milking          |
|          | "           | 12- 2-53    | 5-9        | 82           | 2162 3.8 82                                    | Incomplete lactation  |                 |                        |
| 17       | K125937     | 2- 6-53     | 7-11*      | 295          | 7160 3.4 243                                   | 7282 247              | 6627            | Still milking          |
|          | "           | 2- 4-54     | 8-10       | 65           | 2440 3.1 75                                    | Incomplete lactation  |                 |                        |
| 18       | 188         | 4-11-53     | 4-5*       | 243          | 7480 3.0 222                                   | 7794 231              | 6625            | Still milking          |
|          | "           | 3-12-54     | 5-4        | 29           | 1656 3.0 50                                    | Incomplete lactation  |                 |                        |
| 19       | K147836     | 6-19-53     | 5-4*       | 236          | 6199 4.2 259                                   | 6255 261              | 6443            | Dry. Did not freshen.  |
| 20       | 81          | 5-13-53     | 5-7*       | 332          | 9358 3.5 327                                   | 9405 329              | 8700            | Still milking          |
| 21       | K504294     | 5- 5-53     | 6-10*      | 128          | 5360 3.8 203                                   | Incomplete lactation  |                 | Still milking          |
| 22       | K125493     | 12- 9-52    | 6-0*       | 244          | 10202 4.9 502                                  | 10202 502             | 11579           | Still milking          |
|          | "           | 10-24-53    | 6-10       | 168          | 5711 4.3 245                                   | Incomplete lactation  |                 |                        |
| 23       | 149         | 3-17-53     | 5-1*       | 207          | 7396 2.8 209                                   | 7507 212              | 6156            | Still milking          |
|          | "           | 2- 9-54     | 6-0        | 60           | 1996 3.4 67                                    | Incomplete lactation  |                 |                        |
| 25       | K190561     | 5-16-53     | 4-3*       | 208          | 7782 3.6 280                                   | 8218 296              | 7725            | No record. Not tested. |
|          | "           | 3-13-54     | 5-1        |              |                                                |                       |                 |                        |
| 27       | K190566     | 5-28-53     | 3-8*       | 316          | 7205 4.0 290                                   | 8019 323              | 8019            | Still milking          |
| 29       | K190560     | 6- 1-53     | 4-3*       | 223          | 7167 3.7 266                                   | 7568 281              | 7227            | Dry. Did not freshen.  |
| 33       | K190553     | 3-28-53     | 3-6*       | 196          | 6420 3.6 229                                   | 7261 259              | 6825            | Sold. Dry.             |

# PRODUCTION RECORDS OF HERD #5

| HERD NO. | EAR TAG NO.  | DATE CALVED          | AGE YR. MO.   | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK 3 B.F. # FAT | A. M. E. **<br># MILK # FAT | 1/2 F.C.<br># MILK | REMARKS               |
|----------|--------------|----------------------|---------------|--------------|------------------------------------------------|-----------------------------|--------------------|-----------------------|
| 34 "     | K504297<br>" | 12-29-52<br>12-21-53 | 7-3*<br>8-2   | 224<br>110   | 7072<br>3633                                   | 3.8<br>3.8                  | 270<br>139         | Still milking         |
| 49 "     | K490574<br>" | 10-21-52<br>10-10-53 | 1-11*<br>2-10 | 293<br>182   | 8798<br>6690                                   | 3.4<br>3.7                  | 303<br>245         | Still milking         |
| 50 "     | K490569<br>" | 1- 7-53<br>1- 9-54   | 2-3*<br>3-3   | 215<br>92    | 5420<br>3174                                   | 4.2<br>3.5                  | 226<br>111         | Still milking         |
| 51       | C979694      | 2-13-53              | 1-8*          | 239          | 6241                                           | 3.5                         | 221                | Dry. Did not freshen. |
| 52 "     | K490344<br>" | 1-31-53<br>2-15-54   | 2-2*<br>3-2   | 227<br>54    | 5894<br>1942                                   | 3.5<br>3.2                  | 209<br>62          | Still milking         |
| 53 "     | K490567<br>" | 2-22-53<br>1-10-54   | 2-3*<br>3-2   | 230<br>74    | 9330<br>2678                                   | 3.2<br>4.1                  | 299<br>109         | Still milking         |
| 54 "     | K490395<br>" | 2-24-53<br>1-27-54   | 2-3*<br>3-2   | 259<br>73    | 9679<br>3297                                   | 3.7<br>3.5                  | 356<br>117         | Still milking         |
| 55 "     | K490942<br>" | 3-17-53<br>1-25-54   | 1-9*<br>2-7   | 238<br>75    | 8050<br>1980                                   | 4.2<br>3.6                  | 335<br>72          | Still milking         |
| 56 "     | K490578<br>" | 3-10-53<br>2-13-54   | 1-8*<br>2-7   | 306<br>55    | 8532<br>1865                                   | 4.4<br>3.9                  | 374<br>72          | Still milking         |
| 57       | 92F0386      | 3- 9-53              | 1-8*          | 307          | 6052                                           | 4.3                         | 258                | Dry. Did not freshen. |
| 59 "     | 92F0388<br>" | 3- 8-53<br>2- 6-54   | 1-8*<br>2-6   | 308<br>63    | 7958<br>1936                                   | 3.5<br>2.9                  | 279<br>57          | Still milking         |

# PRODUCTION RECORDS OF HEARD #5

| HERD NO. | EAR TAG NO.  | DATE CALVED        | AGE YR.MO    | DAYS IN MILK | RECORD-305 DAYS OR LESS |            | # FAT     | A. M. E.**                    |       | 45 F.C. | REMARKS        |
|----------|--------------|--------------------|--------------|--------------|-------------------------|------------|-----------|-------------------------------|-------|---------|----------------|
|          |              |                    |              |              | # MILK                  | # B.F.     |           | # MILK                        | # FAT |         |                |
| 60 "     | K190940<br>" | 3-8-53<br>1-26-54  | 1-8*<br>2-6  | 308<br>74    | 8784<br>2684            | 3.6<br>3.3 | 313<br>88 | 12904<br>Incomplete Lactation | 460   | 12130   | Still Milking  |
| 61 "     | Peggy<br>"   | 4-6-53<br>2-20-54  | 1-9*<br>2-7  | 279<br>49    | 7116<br>2179            | 3.5<br>3.4 | 251<br>74 | 10290<br>Incomplete Lactation | 363   | 9518    | Still Milking  |
| 62 "     | Alice<br>"   | 4-7-53<br>3-19-54  | 1-9*<br>2-8  | 278<br>22    | 7355<br>880             | 4.3<br>4.5 | 319<br>40 | 10635<br>Incomplete Lactation | 461   | 11114   | Still Milking  |
| 63 "     | Maggie<br>"  | 3-22-53<br>2-6-54  | 1-9*<br>2-7  | 294<br>63    | 6703<br>1861            | 3.9<br>3.6 | 263<br>67 | 9693<br>Incomplete Lactation  | 380   | 9548    | Still Milking  |
| 64 "     | Lucie<br>"   | 4-24-53<br>3-31-54 | 1-10*<br>2-9 | 261<br>10    | 7370<br>475             | 3.4<br>3.6 | 248<br>17 | 10488<br>Incomplete Lactation | 353   | 9544    | Still Milking  |
| 65       | Dollie       | 6-12-53            | 1-11*        | 90           | 2270                    | 3.2        | 72        | Incomplete Lactation          |       |         | Still Milking  |
| 66       | Faye         | 6-21-53            | 2-0*         | 70           | 1348                    | 4.2        | 57        | Incomplete Lactation          |       |         | Still Milking  |
| 4        | K142623      | 8-23-53            | 8-4*         | 212          | 8599                    | 3.8        | 325       | Incomplete Lactation          |       |         | Still Milking  |
| 6        | K174443      | 5-25-53            | 4-11*        | 290          | 10810                   | 3.7        | 402       | Incomplete Lactation          |       |         | Still Milking  |
| 9        | 3256         |                    |              |              |                         |            |           | No record-Sold 2-11-53        |       |         | Low Production |
| 14       | K190571      |                    |              |              |                         |            |           | No record-Sold 2-11-53        |       |         | Low Production |
| 24       | C981166      |                    |              |              |                         |            |           | No record-Sold 2-11-53        |       |         | Low Production |
| 26       | K190575      | 7-19-53            | 3-1*         | 265          | 7188                    | 3.9        | 282       | Incomplete Lactation          |       |         | Still Milking  |
| 28       | K190558      |                    |              |              |                         |            |           | No record-Sold 2-11-53        |       |         | Low Production |

# PRODUCTION RECORDS OF HERD #5

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.M.O. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        |       | A. M. E.** |                         | 43 F. C. | REMARKS        |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|-------|------------|-------------------------|----------|----------------|
|          |             |             |             |              | % MILK                  | % B.F. | % FAT | # MILK     | # FAT                   |          |                |
| 30       | K490556     | 7-11-53     | 4-4*        | 183          | 6163                    | 3.6    |       | 220        | Incomplete Lactation    |          | Still Milking  |
| 43       | X1142       | 7-11-53     | 3-9*        | 273          | 8538                    | 3.4    |       | 287        | Incomplete Lactation    |          | Still Milking  |
| 12       | K447357     |             |             |              |                         |        |       |            | No record-Sold 12-12-52 |          | Low Production |
| 8        | BC81674     |             |             |              |                         |        |       |            | No record-Sold 12-12-52 |          | Low Production |
| 7        | C981165     |             |             |              |                         |        |       |            | No record-Sold 12-12-52 |          | Low Production |
| 11       | K504989     |             |             |              |                         |        |       |            | No record-Sold 12-12-52 |          | Low Production |
| 13       | K504992     |             |             |              |                         |        |       |            | No record-Sold 12-12-52 |          | Low Production |
| 58       | 92F0387     | 3-6-53      | 1-9*        | 96           | 1065                    | 3.2    |       | 34         | Incomplete Lactation    |          | Sold           |
| Nigger   | Karen       | 12-1-53     | 2-3*        | 114          | 3549                    | 3.6    |       | 126        | Incomplete Lactation    |          | Still Milking  |
|          | D106244     | 1-20-54     | 2-4*        | 80           | 2025                    | 5.0    |       | 101        | Incomplete Lactation    |          | Still Milking  |
|          | D106421     | 2-11-54     | 2-5*        | 58           | 1805                    | 4.1    |       | 74         | Incomplete Lactation    |          | Still Milking  |
|          | D106243     | 2-18-54     | 2-5*        | 51           | 1600                    | 4.1    |       | 66         | Incomplete Lactation    |          | Still Milking  |

# PRODUCTION RECORDS OF HEED #6

| HEED NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | REC'D-305 DAYS OR LESS | % B.F. | # MILK | # FAT                | A. M. E. **          | 43 F.C.       | REMARKS |
|----------|-------------|-------------|-------------|--------------|------------------------|--------|--------|----------------------|----------------------|---------------|---------|
| 84       | T376246     | 11-15-47    | 2-3         | 385          | 8283                   | 4.1    | 341    | 452                  | 10983                | 11148         |         |
| "        | "           | 1-19-49     | 3-5         | 260          | 10325                  | 3.8    | 396    | 453                  | 11801                | 11147         |         |
| "        | "           | 12-17-49    | 4-4         | 305          | 11000                  | 4.0    | 445    | 467                  | 11539                | 11539         |         |
| "        | "           | 1-1-51      | 5-5         | 368          | 12782                  | 3.9    | 496    | 499                  | 12871                | 12678         |         |
| "        | "           | 5-6-52      | 6-9         | 243          | 9898                   | 3.9    | 391    | 392                  | 9928                 | 9779          |         |
| "        | "           | 3-26-53     | 7-7         | 70           | 1352                   | 3.9    | 53     | Incomplete Lactation | Incomplete Lactation | Sold          |         |
| 30       | T514735     | 4-27-47     | 4-2*        | 283          | 11752                  | 3.2    | 373    | 396                  | 12492                | 10993         |         |
| "        | "           | 4-11-48     | 5-2         | 283          | 11491                  | 3.2    | 369    | 374                  | 11640                | 10243         |         |
| "        | "           | 2-25-49     | 6-0         | 327          | 11412                  | 3.1    | 350    | 350                  | 11412                | 9871          |         |
| "        | "           | 4-24-50     | 7-2         | 305          | 15638                  | 3.1    | 489    | 492                  | 15747                | 13621         |         |
| "        | "           | 4-23-51     | 8-2         | 377          | 15622                  | 3.4    | 530    | 543                  | 15997                | 14557         | Sold    |
| 59       | T515004     | 7-22-47     | 4-4         | 324          | 12143                  | 3.5    | 430    | 451                  | 12738                | 11783         |         |
| "        | "           | 7-5-48      | 5-3         | 273          | 10190                  | 3.8    | 391    | 395                  | 10302                | 9993          |         |
| "        | "           | 5-27-49     | 6-2         | 327          | 12482                  | 3.5    | 432    | 432                  | 12482                | 11546         |         |
| "        | "           | 7-8-50      | 7-3         | 331          | 13889                  | 3.6    | 497    | 501                  | 14014                | 13173         |         |
| "        | "           | 7-25-51     | 8-4         | 376          | 16419                  | 2.9    | 480    | 494                  | 16912                | 14122         | Sold    |
| 3        | T515129     | 11-8-47     | 4-8         | 345          | 9167                   | 4.3    | 393    | 404                  | 9433                 | 9857          |         |
| "        | "           | 11-30-48    | 5-8         | 278          | 8287                   | 3.8    | 312    | 313                  | 8320                 | 8070          |         |
| "        | "           | 11-4-49     | 6-8         | 334          | 9209                   | 4.4    | 408    | 409                  | 9227                 | 9781          |         |
| "        | "           | 11-22-50    | 7-8         | 343          | 11946                  | 4.2    | 506    | 513                  | 12113                | 12476         |         |
| "        | "           | 1-8-52      | 8-10        | 334          | 10354                  | 4.4    | 454    | 476                  | 10851                | 11502         |         |
| "        | "           | 1-14-53     | 9-10        | 324          | 10302                  | 4.5    | 465    | 504                  | 11167                | 12005         |         |
| "        | "           | 2-10-54     | 10-11       | 144          | 5997                   | 3.7    | 224    | Incomplete Lactation | Incomplete Lactation | Still milking |         |

\* Age Estimated  
 \*\* Average Mature Equivalent  
 \*\*\* 43 Fat Corrected

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.M.O. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % B.F. # FAT             | A. L. E. **<br># MILK # FAT                                                | 4% F.C. MILK***                                    | REMARKS       |
|----------|-------------|-------------|-------------|--------------|------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|---------------|
| 11       | T515001     | 6-8-47      | 4-5*        | 368          | 11454<br>11946<br>13442<br>13794<br>10353<br>13495<br>5232 | 11935<br>12006<br>13469<br>13987<br>10819<br>14629<br>Incomplete Lactation | 11756<br>12006<br>13873<br>13987<br>10819<br>13971 | Still milking |
| 35       | 92B9396     | 6-19-47     | 4-8*        | 290          | 10043                                                      | 10334                                                                      | 9714                                               |               |
| "        | "           | 6-8-48      | 5-7         | 269          | 9709                                                       | 9758                                                                       | 9465                                               |               |
| "        | "           | 5-13-49     | 6-6         | 326          | 11509                                                      | 11509                                                                      | 10991                                              |               |
| "        | "           | 5-29-50     | 7-7         | 401          | 12279                                                      | 12439                                                                      | 12066                                              |               |
| "        | "           | 9-13-51     | 8-10        | 373          | 12490                                                      | 13090                                                                      | 12305                                              |               |
| "        | "           | 11-21-52    | 10-1        | 287          | 10930                                                      | 11957                                                                      | 11240                                              |               |
| "        | "           | 11-24-53    | 11-1        | 222          | 9521                                                       | Incomplete Lactation                                                       |                                                    | Still milking |
| 46       | F828        | 12-21-47    | 5-6*        | 349          | 12701                                                      | 12777                                                                      | 12010                                              |               |
| "        | "           | 1-30-49     | 6-7         | 339          | 14399                                                      | 14413                                                                      | 12900                                              |               |
| "        | "           | 3-23-50     | 7-9         | 317          | 14113                                                      | 14325                                                                      | 13466                                              |               |
| "        | "           | 4-17-51     | 8-10        | 347          | 10082                                                      | 10566                                                                      | 10091                                              |               |
| "        | "           | 6-7-52      | 10-10       | 317          | 8426                                                       | 9521                                                                       | 9235                                               |               |
| "        | "           | 6-18-53     | 11-10       | 139          | 3721                                                       |                                                                            |                                                    | Sold 11/53    |
| 78       | 1204        | 9-2-47      | 2-10        | 352          | 11658                                                      | 14304                                                                      | 12802                                              |               |
| "        | "           | 10-4-48     | 3-11        | 273          | 11374                                                      | 12352                                                                      | 11055                                              |               |
| "        | "           | 9-6-49      | 4-10        | 363          | 15099                                                      | 15446                                                                      | 13824                                              |               |
| "        | "           | 11-18-50    | 6-0         | 433          | 17076                                                      | 17076                                                                      | 14771                                              |               |
| "        | "           | 3-24-52     | 7-2         | 512          | 15062                                                      | 15182                                                                      | 14499                                              |               |
| "        | "           | 12-11-53    | 8-10        | 205          | 11042                                                      | Incomplete Lactation                                                       |                                                    | Still milking |

# PRODUCTION RECORDS OF HEED #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE Yr. Mo. | DAYS IN MILK | RECORD-305 DAYS OR LFSS # MILK | % B.F. | # FAT | A. M. E. # MILK      | F. # FAT | L. F. C. # MILK | REMARKS               |
|----------|-------------|-------------|-------------|--------------|--------------------------------|--------|-------|----------------------|----------|-----------------|-----------------------|
| 81       | T376248     | 10-29-47    | 2-4         | 539          | 8319                           | 3.4    | 286   | 10890                | 374      | 9910            | Aborted Still Milking |
| "        | "           | 5-28-49     | 3-11        | 280          | 11150                          | 3.2    | 371   | 12435                | 403      | 10943           |                       |
| "        | "           | 5-27-50     | 4-11        | 403          | 14776                          | 3.2    | 472   | 15072                | 481      | 13263           |                       |
| "        | "           | 9-25-51     | 6-3         | 375          | 18610                          | 3.5    | 645   | 18610                | 645      | 17214           |                       |
| "        | "           | 11-3-52     | 7-4         | 224          | 4965                           | 3.3    | 166   | Incomplete lactation |          |                 |                       |
| "        | "           | 9-26-53     | 8-2         | 276          | 14624                          | 3.4    | 492   | Incomplete lactation |          |                 |                       |
| 83       | T376249     | 11-1-47     | 3-6         | 445          | 11930                          | 3.4    | 405   | 13493                | 458      | 12279           | Dry. Did not freshen. |
| "        | "           | 2-17-49     | 4-10        | 282          | 15648                          | 3.8    | 601   | 16008                | 615      | 15528           |                       |
| "        | "           | 1-21-50     | 5-9         | 317          | 18044                          | 3.1    | 556   | 20318                | 626      | 17575           |                       |
| "        | "           | 2-4-51      | 6-10        | 316          | 16998                          | 3.4    | 577   | 17066                | 579      | 15530           |                       |
| "        | "           | 2-7-52      | 7-10        | 332          | 17309                          | 3.2    | 555   | 17586                | 564      | 15476           |                       |
| "        | "           | 2-21-53     | 8-10        | 440          | 18190                          | 3.0    | 549   | 19063                | 575      | 16204           |                       |
| 85       | Z589022     | 11-19-47    | 3-8         | 420          | 11349                          | 3.9    | 441   | 12631                | 491      | 12442           | Dry. Did not freshen. |
| "        | "           | 3-19-49     | 4-10        | 311          | 13747                          | 3.8    | 529   | 14063                | 541      | 13641           |                       |
| "        | "           | 4-2-50      | 5-10        | 297          | 13780                          | 4.3    | 548   | 13808                | 549      | 14429           |                       |
| "        | "           | 3-29-51     | 6-10        | 294          | 16197                          | 3.5    | 571   | 16262                | 573      | 15042           |                       |
| "        | "           | 3-20-52     | 8-0         | 430          | 16113                          | 3.7    | 598   | 16403                | 609      | 15665           |                       |
| "        | "           | 7-12-53     | 9-1         | 327          | 13088                          | 3.9    | 512   | 13834                | 541      | 13626           |                       |
| 19       | Th62838     | 7-21-48     | 7-0         | 270          | 6214                           | 4.9    | 306   | 6214                 | 306      | 7053            | Sold. Low production. |
| "        | "           | 5-30-49     | 7-10        | 355          | 9358                           | 4.8    | 449   | 9452                 | 453      | 10586           |                       |
| "        | "           | 7-21-50     | 9-0         | 345          | 8385                           | 4.8    | 403   | 8586                 | 413      | 9616            |                       |
| "        | "           | 9-3-51      | 10-1        | 328          | 7161                           | 5.2    | 374   | 7519                 | 393      | 8872            |                       |
| "        | "           | 10-3-52     | 11-2        | 365          | 7420                           | 4.1    | 302   | 8066                 | 328      | 8187            |                       |
| "        | "           | 11-5-53     | 12-3        | 119          | 2120                           | 4.4    | 93    |                      |          |                 |                       |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % D.F. | A. L. E. #<br># MILK # FAT | 1/2 F.C.<br>MILK** | REMARKS              |
|----------|-------------|-------------|-------------|--------------|------------------------------------------|----------------------------|--------------------|----------------------|
| 20       | B164487     | 11-10-48    | 4-1*        | 328          | 7787                                     | 8332                       | 357                | 8707                 |
| "        | "           | 1-8-50      | 5-3         | 330          | 11370                                    | 11528                      | 508                | 13438                |
| "        | "           | 1-13-51     | 6-3         | 429          | 11268                                    | 11268                      | 480                | 12984                |
| "        | "           | 5-13-52     | 7-7         | 318          | 11864                                    | 15057                      | 537                | 11154                |
| "        | "           | 5-22-53     | 8-7         | 302          | 11120                                    | 11520                      | 381                | 10310                |
| "        | "           | 5-16-54     | 9-6         | 49           | 3876                                     | Incomplete                 | Lactation          | Still milking.       |
| 27       | B164489     | 11-4-48     | 4-3*        | 263          | 10613                                    | 11207                      | 456                | 11375                |
| "        | "           | 9-13-49     | 5-1         | 307          | 12889                                    | 13082                      | 573                | 13867                |
| "        | "           | 9-30-50     | 6-1         | 293          | 15011                                    | 15011                      | 647                | 15686                |
| "        | "           | 9-27-51     | 7-1         | 281          | 12956                                    | 13047                      | 541                | 13243                |
| "        | "           | 9-3-52      | 8-1         | 396          | 13895                                    | 11187                      | 568                | 11187                |
| "        | "           | 12-18-53    | 9-4         | 198          | 9226                                     | Incomplete                 | Lactation.         | Still milking.       |
| 31       | 3616        | 9-3-48      | 2-6*        | 415          | 2159                                     | 11678                      | 477                | 11853                |
| "        | "           | 12-16-49    | 3-9         | 353          | 12441                                    | 13735                      | 478                | 12705                |
| "        | "           | 2-13-51     | 4-11        | 382          | 11836                                    | 15133                      | 492                | 13317                |
| "        | "           | 5-13-52     | 6-2         | 351          | 16242                                    | 16242                      | 495                | 13806                |
| "        | "           | 7-3-53      | 7-4         | 315          | 12944                                    | 13073                      | 437                | 11700                |
| 37       | T515872     | 4-7-48      | 2-7*        | 303          | 12354                                    | 15603                      | 580                | 11901                |
| "        | "           | 3-3-49      | 3-6         | 321          | 12339                                    | 114103                     | 487                | 13045                |
| "        | "           | 3-4-50      | 4-6         | 305          | 16084                                    | 16181                      | 597                | 15453                |
| "        | "           | 3-11-51     | 5-6         | 313          | 16900                                    | 16900                      | 647                | 16393                |
| "        | "           | 3-20-52     | 6-6         | 290          | 11534                                    | 114708                     | 522                | 13826                |
| "        | "           | 4-20-53     | 7-7         | 259          | 12064                                    | 12064                      | 441                | 11521                |
| "        | "           | 4-3-54      | 8-7         |              |                                          |                            |                    | No record. Died 4/54 |

PRODUCTION RECORDS OF IBERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        |       | A. M. E. **          |       | LBS F.C. | REMARKS           |
|----------|-------------|-------------|---------|--------------|-------------------------|--------|-------|----------------------|-------|----------|-------------------|
|          |             |             |         |              | # MILK                  | % B.F. | # FAT | # MILK               | % FAT |          |                   |
| 39       | B161483     | 11-19-48    | 3-11*   | 307          | 8748                    | 4.7    | 474   | 9352                 | 443   | 10334    | Still milking     |
| "        | "           | 11-24-49    | 4-11    | 478          | 8048                    | 5.6    | 449   | 8225                 | 459   | 10199    |                   |
| "        | "           | 5-26-51     | 6-5     | 391          | 9822                    | 4.5    | 440   | 9822                 | 440   | 10559    |                   |
| "        | "           | 8-30-52     | 7-8     | 492          | 8684                    | 4.6    | 402   | 8806                 | 408   | 9599     |                   |
| "        | "           | 5-24-54     | 9-5     | 41           | 1796                    | 3.6    | 65    | Incomplete lactation |       |          |                   |
| 53       | A19708      | 12-20-48    | 3-1*    | 288          | 6788                    | 4.7    | 320   | 7698                 | 363   | 8506     | Still milking     |
| "        | "           | 11-29-49    | 4-0     | 340          | 8948                    | 5.0    | 448   | 9512                 | 476   | 10939    |                   |
| "        | "           | 12-24-50    | 5-1     | 367          | 9974                    | 4.8    | 481   | 10154                | 490   | 11372    |                   |
| "        | "           | 3-7-52      | 6-4     | 272          | 7057                    | 4.5    | 317   | 7057                 | 317   | 7586     |                   |
| "        | "           | 4-13-53     | 7-5     | 266          | 8534                    | 4.4    | 377   | 8577                 | 379   | 9092     |                   |
| "        | "           | 3-21-54     | 8-4     | 105          | 3841                    | 3.9    | 150   | Incomplete lactation |       |          | Still milking     |
| 64       | K447064     | 11-16-48    | 3-2*    | 292          | 9144                    | 3.7    | 335   | 10781                | 395   | 10296    |                   |
| "        | "           | 11-3-49     | 4-2     | 335          | 9385                    | 3.6    | 334   | 9976                 | 355   | 9377     |                   |
| "        | "           | 1-14-51     | 5-4     | 351          | 12572                   | 3.5    | 443   | 12685                | 447   | 11734    |                   |
| "        | "           | 3-4-52      | 6-6     | 214          | 9863                    | 3.8    | 371   | Incomplete lactation |       |          |                   |
| "        | "           | 3-16-53     | 7-6     | 263          | 13095                   | 3.7    | 478   | 13252                | 484   | 12656    | Still milking     |
| "        | "           | 2-7-54      | 9-2     | 147          | 6741                    | 3.4    | 228   | Incomplete lactation |       |          |                   |
| 66       | Z595221     | 11-15-48    | 3-1*    | 323          | 10985                   | 3.4    | 369   | 13083                | 439   | 11906    |                   |
| "        | "           | 12-10-49    | 4-2     | 305          | 12598                   | 3.0    | 373   | 13392                | 396   | 11383    |                   |
| "        | "           | 12-13-50    | 5-2     | 356          | 15651                   | 3.1    | 489   | 15854                | 495   | 13744    |                   |
| "        | "           | 1-28-52     | 6-3     | 354          | 14892                   | 3.3    | 485   | 14892                | 485   | 13328    | Fresh. No record. |
| "        | "           | 3-16-53     | 7-5     | 395          | 18704                   | 3.6    | 679   | 18910                | 686   | 17775    |                   |
| "        | "           | 6-20-54     | 8-8     |              |                         |        |       |                      |       |          |                   |
| 21       | Z595215     | 1-12-49     | 3-2     | 416          | 10952                   | 3.6    | 396   | 12912                | 467   | 12137    |                   |
| "        | "           | 4-20-50     | 4-5     | 358          | 12377                   | 3.4    | 424   | 12897                | 442   | 11736    |                   |
| "        | "           | 6-18-51     | 5-7     | 291          | 11022                   | 3.8    | 402   | 11077                | 404   | 10745    | Fresh. No record. |
| "        | "           | 6-26-52     | 6-7     | 308          | 14120                   | 3.9    | 554   | 14134                | 555   | 13922    |                   |
| "        | "           | 6-29-53     | 7-8     | 279          | 12747                   | 3.3    | 426   | 12925                | 432   | 11568    |                   |
| "        | "           | 6-22-54     | 8-7     |              |                         |        |       |                      |       |          |                   |

PRODUCTION RECORDS OF ILRD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A. M. E.**           |       | 4% F.C. MILK*** | REMARKS               |
|----------|-------------|-------------|---------|--------------|-------------------------|--------|----------------------|-------|-----------------|-----------------------|
|          |             |             |         |              | # MILK                  | % B.F. | # MILK               | # FAT |                 |                       |
| 22       | Z595319     | 2- 9-49     | 2-6     | 480          | 8674                    | 3.5    | 11059                | 388   | 10230           | Still milking         |
| "        | "           | 8-22-50     | 4-1     | 347          | 11765                   | 3.8    | 12589                | 475   | 12211           |                       |
| "        | "           | 10-19-51    | 5-3     | 319          | 12929                   | 3.6    | 13071                | 466   | 12287           |                       |
| "        | "           | 11-13-52    | 6-3     | 282          | 12528                   | 3.3    | 12528                | 415   | 12126           |                       |
| "        | "           | 10-31-53    | 7-2     | 246          | 10266                   | 3.3    | Incomplete lactation |       |                 |                       |
| 29       | B164490     | 10-30-49    | 3-9     | 305          | 9933                    | 3.7    | 10966                | 408   | 10473           | Still milking         |
| "        | "           | 11- 1-50    | 4-10    | 261          | 13357                   | 3.8    | 13664                | 513   | 13254           |                       |
| "        | "           | 9-22-51     | 5-8     | 331          | 10326                   | 3.8    | 10367                | 396   | 10056           |                       |
| "        | "           | 10-25-52    | 6-9     | 314          | 11143                   | 3.6    | 11176                | 405   | 10505           |                       |
| "        | "           | 11- 8-53    | 7-9     | 239          | 9417                    | 3.6    | Incomplete lactation |       |                 |                       |
| 41       | B75255      | 3-23-49     | 4-9     | 308          | 11446                   | 3.9    | 11766                | 450   | 11590           | Sold 4/54             |
| "        | "           | 3-30-50     | 5-9     | 339          | 11814                   | 4.0    | 11849                | 474   | 11849           |                       |
| "        | "           | 5- 8-51     | 6-11    | 301          | 9677                    | 3.7    | 9677                 | 357   | 9242            |                       |
| "        | "           | 6- 8-52     | 8-0     | 210          | 7375                    | 3.6    | 7375                 | 266   | 6933            |                       |
| "        | "           | 6- 6-53     | 9-0     | 271          | 7798                    | 3.6    | Incomplete lactation |       |                 |                       |
| 42       | B164492     | 5-11-49     | 3-2*    | 481          | 12295                   | 3.7    | 13856                | 509   | 13232           | Still milking         |
| "        | "           | 12- 1-50    | 4-9     | 394          | 16083                   | 4.1    | 16533                | 681   | 16781           |                       |
| "        | "           | 3-25-52     | 6-1     | 391          | 14959                   | 4.0    | 14959                | 593   | 14959           |                       |
| "        | "           | 6-25-53     | 7-4     | 252          | 9154                    | 3.8    | 9191                 | 345   | 8915            |                       |
| "        | "           | 6-15-54     | 8-4     | 19           | 684                     | 4.2    | Incomplete lactation |       |                 |                       |
| 51       | K147149     | 5- 6-49     | 2-3*    | 323          | 5657                    | 4.1    | 7501                 | 308   | 7614            | Dry. Did not freshen. |
| "        | "           | 6- 4-50     | 3-4     | 282          | 7996                    | 4.5    | 9235                 | 417   | 9928            |                       |
| "        | "           | 5-17-51     | 4-3     | 348          | 9046                    | 4.2    | 9553                 | 403   | 9840            |                       |
| "        | "           | 7- 1-52     | 5-5     | 352          | 9102                    | 4.4    | 9166                 | 406   | 9716            |                       |
| "        | "           | 8- 9-53     | 6-6     | 329          | 8962                    | 4.3    | 8962                 | 388   | 9365            |                       |

# PRODUCTION RECORDS OF HERD #6

| FHERD NO. | EAT TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OF LACTATION |        |       | A. M. E. **          |       | LCS F.C. MILK*** | REMARKS               |
|-----------|-------------|-------------|-------------|--------------|------------------------------|--------|-------|----------------------|-------|------------------|-----------------------|
|           |             |             |             |              | # MILK                       | % B.F. | # FAT | # MILK               | % FAT |                  |                       |
| 57        | 2595462     | 10-1-49     | 2-0*        | 380          | 7905                         | 4.1    | 323   | 10885                | 445   | 11048            | Still milking         |
| "         | "           | 12-23-50    | 3-3         | 285          | 9292                         | 3.8    | 357   | 10844                | 417   | 10519            |                       |
| "         | "           | 12-12-51    | 4-2         | 250          | 8467                         | 3.7    | 317   | 9022                 | 337   | 8616             |                       |
| "         | "           | 11-7-52     | 5-1         | 271          | 6752                         | 3.7    | 252   | 6853                 | 256   | 6545             |                       |
| "         | "           | 11-9-53     | 6-1         | 238          | 8041                         | 3.9    | 317   | Incomplete Lactation |       |                  |                       |
| 61        | 2595216     | 9-3-49      | 3-0*        | 334          | 9620                         | 4.5    | 435   | 9764                 | 496   | 10496            | Dry. Did not freshen. |
| "         | "           | 10-2-50     | 4-1         | 504          | 10425                        | 5.0    | 520   | 11030                | 550   | 12685            |                       |
| "         | "           | 4-6-52      | 6-0         | 440          | 10519                        | 5.2    | 549   | 10519                | 549   | 12412            |                       |
| "         | "           | 8-4-53      | 7-3         | 334          | 7889                         | 4.6    | 366   | 7889                 | 366   | 8599             |                       |
| 68        | 2595479     | 5-2-49      | 2-4*        | 312          | 8592                         | 3.9    | 338   | 11247                | 442   | 11078            | Dry. Did not freshen. |
| "         | "           | 5-22-50     | 3-4         | 341          | 10827                        | 4.2    | 454   | 12505                | 524   | 12880            |                       |
| "         | "           | 6-18-51     | 4-5         | 306          | 11078                        | 3.8    | 423   | 11543                | 441   | 11197            |                       |
| "         | "           | 6-27-52     | 5-5         | 297          | 10802                        | 3.9    | 420   | 10878                | 423   | 10715            |                       |
| "         | "           | 6-29-53     | 6-5         | 309          | 9039                         | 3.8    | 348   | 9639                 | 348   | 8768             |                       |
| 72        | 2595460     | 10-16-49    | 2-1*        | 384          | 11370                        | 3.6    | 413   | 15163                | 562   | 14535            | Still milking         |
| "         | "           | 12-11-50    | 3-3         | 251          | 11773                        | 3.5    | 411   | 13739                | 490   | 12709            |                       |
| "         | "           | 10-17-51    | 4-1         | 276          | 8672                         | 3.6    | 310   | 9279                 | 332   | 8722             |                       |
| "         | "           | 9-26-52     | 5-0         | 312          | 10776                        | 3.4    | 362   | 10959                | 368   | 9973             |                       |
| "         | "           | 9-19-53     | 6-0         | 283          | 10255                        | 3.4    | 352   | Incomplete Lactation |       |                  |                       |
| 73        | 0979381     | 2-9-49      | 2-2         | 298          | 9009                         | 3.5    | 318   | 11270                | 398   | 10425            | Still milking         |
| "         | "           | 2-10-50     | 3-8         | 359          | 14173                        | 3.4    | 475   | 15775                | 529   | 14355            |                       |
| "         | "           | 3-23-51     | 4-10        | 420          | 14093                        | 3.5    | 487   | 14417                | 492   | 13336            |                       |
| "         | "           | 7-14-52     | 6-1         | 415          | 16454                        | 3.6    | 593   | 16454                | 593   | 15467            |                       |
| "         | "           | 11-10-53    | 7-5         | 237          | 12946                        | 3.5    | 456   | Incomplete Lactation |       |                  |                       |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. & MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        |       | A. L. E. **          |       | 45 F.C. MILK | REMARKS       |
|----------|-------------|-------------|---------------|--------------|-------------------------|--------|-------|----------------------|-------|--------------|---------------|
|          |             |             |               |              | # MILK                  | % B.F. | # FAT | # MILK               | # FAT |              |               |
| 75       | 92B9016     | 12-21-49    | 2-6           | 379          | 12154                   | 3.2    | 394   | 15496                | 502   | 13636        | Still Milking |
| "        | "           | 2-10-51     | 3-8           | 398          | 12433                   | 3.6    | 443   | 13838                | 493   | 13008        |               |
| "        | "           | 5-12-52     | 4-11          | 288          | 15595                   | 3.5    | 504   | 15907                | 555   | 14714        |               |
| "        | "           | 4-24-53     | 5-11          | 286          | 15533                   | 3.3    | 509   | 15549                | 510   | 13916        |               |
| "        | "           | 3-9-54      | 6-10          | 117          | 6279                    | 3.1    | 194   | Incomplete Lactation |       |              |               |
| 79       | Z595243     | 2-10-48     | 1-5*          | 277          | 10195                   | 3.5    | 358   | 13172                | 463   | 12184        | Still Milking |
| "        | "           | 11-16-49    | 3-2           | 292          | 7278                    | 3.8    | 280   | 8581                 | 330   | 8324         |               |
| "        | "           | 10-27-50    | 4-1           | 295          | 9180                    | 3.5    | 324   | 9823                 | 347   | 9086         |               |
| "        | "           | 10-20-51    | 5-1           | 303          | 12742                   | 3.5    | 442   | 12933                | 449   | 11963        |               |
| "        | "           | 10-19-52    | 6-1           | 304          | 11188                   | 3.2    | 362   | 11183                | 362   | 9845         |               |
| "        | "           | 10-7-53     | 7-1           | 264          | 10250                   | 3.7    | 377   | Incomplete Lactation |       |              | Still Milking |
| 86       | Z595320     | 11-8-49     | 2-6*          | 305          | 12472                   | 3.7    | 464   | 15902                | 592   | 15186        |               |
| "        | "           | 11-11-50    | 3-6           | 358          | 12472                   | 3.7    | 464   | 14106                | 525   | 13471        |               |
| "        | "           | 12-24-51    | 4-7           | 285          |                         |        |       | Incomplete Record    |       |              |               |
| "        | "           | 12-20-52    | 5-7           | 350          | 14169                   | 3.2    | 451   | 14240                | 453   | 12531        |               |
| "        | "           | 12-31-53    | 6-7           | 185          | 6154                    | 3.3    | 204   | Incomplete Lactation |       |              | Still Milking |
| 87       | Z595246     | 2-20-49     | 2-10*         | 277          | 11474                   | 3.7    | 428   | 14079                | 525   | 13445        |               |
| "        | "           | 1-6-50      | 3-8           | 305          | 11188                   | 3.5    | 386   | 12452                | 430   | 11518        |               |
| "        | "           | 1-21-51     | 4-9           | 301          | 14338                   | 2.9    | 414   | 14711                | 425   | 12284        |               |
| "        | "           | 1-16-52     | 5-8           | 291          | 12066                   | 3.5    | 426   | 13514                | 477   | 12500        |               |
| "        | "           | 1-15-53     | 6-8           | 293          | 11128                   | 3.3    | 364   | 11161                | 365   | 9989         | Still Milking |
| "        | "           | 12-20-53    | 7-7           | 196          | 11451                   | 3.4    | 394   | Incomplete Lactation |       |              |               |
| 89       | Z595480     | 11-18-49    | 2-6*          | 325          | 10676                   | 3.4    | 360   | 13612                | 459   | 12387        |               |
| "        | "           | 11-15-50    | 3-6           | 320          | 11232                   | 3.4    | 360   | 12703                | 407   | 11560        |               |
| "        | "           | 12-25-52    | 5-7           | 315          | 10458                   | 3.2    | 336   | 10510                | 338   | 9249         |               |
| "        | "           | 1-7-54      | 6-7           | 178          | 6454                    | 3.3    | 210   | Incomplete Lactation |       |              | Still Milking |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A. L. MILK # | E. MILK #  | F. C. MILK | REMARKS |                         |
|----------|-------------|-------------|------------|--------------|-------------------------|--------|--------------|------------|------------|---------|-------------------------|
|          |             |             |            |              | # MILK                  | % B.F. |              |            |            |         |                         |
| 90       | Z595477     | 11-20-49    | 2-5*       | 349          | 8611                    | 4.2    | 360          | 11164      | 465        | 11199   | Still milking           |
| "        | "           | 12-20-50    | 3-6        | 288          | 8945                    | 3.8    | 336          | 10117      | 380        | 9813    |                         |
| "        | "           | 12- 9-51    | 4-6        | 300          | 10294                   | 3.8    | 394          | 10654      | 408        | 10334   |                         |
| "        | "           | 12-18-52    | 5-6        | 261          | 9592                    | 4.5    | 435          | 9650       | 438        | 10374   |                         |
| "        | "           | 11-26-53    | 6-5        | 220          | 7326                    | 3.9    | 285          | Incomplete | Lactation  |         |                         |
| 65       | Z595569     | 10-11-49    | 2-1*       | 358          | 12112                   | 3.0    | 366          | 16513      | 498        | 11036   | Dry. Sold 1/53          |
| "        | "           | 11-26-50    | 3-2        | 323          | 10963                   | 3.1    | 343          | 12925      | 404        | 11180   |                         |
| "        | "           | 2-27-52     | 4-5        | 312          | 11076                   | 3.3    | 368          | 11541      | 383        | 10329   |                         |
| 2        | Z595472     | 11-26-49    | 2-6*       | 373          | 12889                   | 3.7    | 482          | 16433      | 615        | 15694   | Sold 11/52 Non breeder. |
| "        | "           | 1-16-51     | 3-8        | 320          | 15688                   | 3.8    | 599          | 17461      | 667        | 16937   |                         |
| "        | "           | 1-12-52     | 4-7        | 266          | 10372                   | 3.7    | 387          | Incomplete | Lactation  |         |                         |
| 9        | Z589198     | 7-30-50     | 2-8*       | 339          | 11286                   | 3.4    | 385          | 11119      | 482        | 12848   | Still milking           |
| "        | "           | 8-19-51     | 3-10       | 370          | 11109                   | 3.3    | 481          | 15778      | 527        | 11121   |                         |
| "        | "           | 10-29-52    | 5-0        | 340          | 11458                   | 3.1    | 446          | 14704      | 454        | 12719   |                         |
| "        | "           | 11-26-53    | 5-1        | 220          | 13264                   | 3.1    | 417          | Incomplete | Lactation  |         |                         |
| 14       | 92B9072     | 7-27-50     | 2-11       | 434          | 11866                   | 3.6    | 430          | 11117      | 522        | 13552   | Still milking           |
| "        | "           | 11-20-51    | 4-3        | 298          | 9256                    | 3.9    | 359          | 9774       | 379        | 9627    |                         |
| "        | "           | 11- 7-52    | 5-2        | 301          | 9436                    | 3.4    | 324          | 9436       | 324        | 8587    |                         |
| "        | "           | 1- 2-54     | 6-4        | 183          | 8091                    | 3.1    | 252          | Incomplete | Lactation  |         |                         |
| 38       | Z595444     | 1-10-50     | 3-2*       | 328          | 6002                    | 4.7    | 284          | 6764       | 320        | 7474    | Still milking           |
| "        | "           | 1-18-51     | 4-2        | 365          | 10133                   | 4.6    | 462          | 10670      | 486        | 11630   |                         |
| "        | "           | 5-31-52     | 5-6        | 383          | 9726                    | 5.1    | 498          | 9784       | 501        | 11398   |                         |
| "        | "           | 8-24-53     | 6-9        | 280          | 8422                    | 5.4    | 455          | Incomplete | Lactation  |         |                         |
| 40       | 92B9159     | 8-15-50     | 2-5        | 323          | 8244                    | 4.3    | 352          | 10651      | 455        | 11130   | Still milking           |
| "        | "           | 9- 1-51     | 3-6        | 362          | 9105                    | 4.2    | 386          | 10298      | 437        | 10607   |                         |
| "        | "           | 10-13-52    | 4-8        | 313          | 8968                    | 3.8    | 343          | 9228       | 353        | 8951    |                         |
| "        | "           | 11- 7-53    | 5-8        | 230          | 10015                   | 3.8    | 378          | Incomplete | Lactation  |         |                         |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS | A. M. E. ** | 43 F.C.              | REMARKS       |
|----------|-------------|-------------|-------------|--------------|-------------------------|-------------|----------------------|---------------|
|          |             |             |             | # MILK       | # B.F.                  | # MILK      | # FAT                |               |
| 70       | 92B9166     | 12-12-50    | 2-5         | 296          | 9520                    | 354         | 12300                | 11747         |
| "        | "           | 11-24-51    | 3-5         | 243          | 6210                    | 238         | 7098                 | 6885          |
| "        | "           | 11-26-52    | 4-5         | 313          | 10152                   | 365         | 10568                | 9934          |
| "        | "           | 11-16-53    | 5-4         | 181          | 7377                    | 266         | Incomplete Lactation | Still Milking |
| 76       | 92E9828     | 4-30-50     | 3-1*        | 428          | 10963                   | 460         | 13057                | 13449         |
| "        | "           | 6-24-51     | 4-3         | 338          | 11914                   | 460         | 12581                | 12392         |
| "        | "           | 7-25-52     | 5-4         | 326          | 9411                    | 357         | 9496                 | 9211          |
| "        | "           | 9- 1-53     | 6-5         | 281          | 11694                   | 406         | 11694                | 10992         |
| 1        | 92B9301     | 4-21-51     | 2-6         | 293          | 8434                    | 327         | 10753                | 10592         |
| "        | "           | 3-13-52     | 3-4         | 328          | 9501                    | 342         | 10974                | 10316         |
| "        | "           | 4-29-53     | 4-6         | 250          | 8885                    | 337         | 9196                 | 8920          |
| "        | "           | 4-26-54     | 5-6         | 69           | 3593                    | 121         | Incomplete Lactation | Still Milking |
| 4        | 92B9174     | 7-19-51     | 2-9         | 365          | 9734                    | 330         | 12060                | 10975         |
| "        | "           | 9-16-52     | 3-11        | 303          | 7719                    | 272         | 7719                 | 7140          |
| "        | "           | 10- 4-53    | 5-0         | 273          | 8644                    | 318         | 8791                 | 8395          |
| 7A       | 92B9322     | 7-31-51     | 2-4         | 358          | 8934                    | 330         | 11695                | 11169         |
| "        | "           | 9-26-52     | 3-6         | 343          | 9595                    | 334         | 10852                | 10038         |
| "        | "           | 11-25-53    | 4-8         | 221          | 7993                    | 290         | Incomplete Lactation | Still Milking |
| 15       | 92B9318     | 11-12-51    | 2-9         | 280          | 11180                   | 385         | 13852                | 12605         |
| "        | "           | 10-13-52    | 3-8         | 326          | 9154                    | 305         | 10188                | 9118          |
| "        | "           | 12- 1-53    | 4-9         | 184          | 8036                    | 291         | Incomplete Lactation | Still Milking |
| 17       | 92B9168     | 8- 4-51     | 3-0         | 335          | 8472                    | 330         | 10192                | 10039         |
| "        | "           | 8-22-52     | 4-1         | 286          | 7918                    | 298         | 8472                 | 8218          |
| "        | "           | 8-12-53     | 5-1         | 265          | 8830                    | 368         |                      | Sold 5/54     |

Dry. Did not freshen.

Dry. Did not freshen.

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.-MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK | B.F.<br># | FAT<br># | A. M. E. #<br># MILK | FAT<br># | L3 F.C.<br>MILK | REMARKS                   |
|----------|-------------|-------------|-------------|--------------|-----------------------------------|-----------|----------|----------------------|----------|-----------------|---------------------------|
| 24       | 92B9326     | 11-21-51    | 2-5         | 284          | 3053                              | 4.7       | 143      | 3682                 | 172      | 4069            | Sold 4/54 Low production. |
| "        | "           | 11- 2-52    | 3-5         | 251          | 2888                              | 4.7       | 135      | 3194                 | 149      | 3529            |                           |
| "        | "           | 11- 1-53    | 4-5         | 120          | 2960                              | 5.2       | 155      |                      |          |                 |                           |
| 25       | 92B9317     | 7-31-51     | 2-6         | 411          | 11380                             | 3.8       | 429      | 14510                | 547      | 11075           | Still milking             |
| "        | "           | 11-11-52    | 3-9         | 419          | 11744                             | 3.9       | 453      | 12965                | 500      | 12771           |                           |
| "        | "           | 3-16-54     | 5-1         | 110          | 6431                              | 4.0       | 256      | Incomplete Lactation |          |                 |                           |
| 32       | 92B9123     | 11-21-51    | 3-1         | 298          | 8778                              | 5.1       | 447      | 9954                 | 507      | 11596           | Still milking             |
| "        | "           | 11- 9-52    | 4-1         | 329          | 7781                              | 4.4       | 341      | 8232                 | 361      | 8726            |                           |
| "        | "           | 12- 3-53    | 5-1         | 219          | 6342                              | 4.3       | 273      | Incomplete Lactation |          |                 |                           |
| 43       | 92B9306     | 9-18-51     | 2-10        | 369          | 11159                             | 3.5       | 390      | 13692                | 479      | 12665           | Still milking             |
| "        | "           | 11-21-52    | 4-0         | 280          | 11230                             | 3.4       | 379      | 12095                | 408      | 11006           |                           |
| "        | "           | 11-15-53    | 5-0         | 232          | 9649                              | 3.5       | 342      | Incomplete Lactation |          |                 |                           |
| 45       | 92B9324     | 12-11-51    | 2-7         | 317          | 9421                              | 4.1       | 383      | 11899                | 484      | 12077           | Still milking             |
| "        | "           | 1- 7-53     | 3-7         | 270          | 10184                             | 3.7       | 372      | 11426                | 417      | 10912           |                           |
| "        | "           | 12-16-53    | 4-7         | 200          | 9250                              | 3.4       | 314      | Incomplete Lactation |          |                 |                           |
| 52       | 92B9163     | 7-27-51     | 3-2         | 392          | 13418                             | 3.6       | 484      | 15820                | 571      | 14871           | Still milking             |
| "        | "           | 10-21-52    | 4-5         | 440          | 13766                             | 3.6       | 501      | 14344                | 522      | 13483           |                           |
| "        | "           | 5-17-54     | 6-0         | 48           | 2866                              | 3.1       | 89       | Incomplete Lactation |          |                 |                           |
| 54       | 92B9167     | 8- 8-51     | 3-0         | 265          | 7495                              | 3.9       | 296      | 8747                 | 345      | 8616            | Still milking             |
| "        | "           | 6-28-52     | 3-11        | 296          | 7846                              | 4.8       | 375      | 8387                 | 401      | 9393            |                           |
| "        | "           | 6-14-53     | 4-11        | 309          | 7728                              | 5.0       | 386      | 7898                 | 394      | 9083            |                           |
| "        | "           | 6- 3-54     | 5-11        | 30           | 1062                              | 4.8       | 51       | Incomplete Lactation |          |                 | Still milking             |
| 55       | 92B9305     | 8-10-51     | 2-9         | 374          | 8794                              | 4.7       | 416      | 10271                | 486      | 11349           |                           |
| "        | "           | 10-21-52    | 3-11        | 344          | 9654                              | 4.9       | 469      | 10320                | 501      | 11713           |                           |
| "        | "           | 11-27-53    | 5-0         | 219          | 7898                              | 4.9       | 386      | Incomplete Lactation |          |                 | Still milking             |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO.          | DATE CALVED                     | AGE YR.NO.          | DAYS IN MILK      | RECORD-305 DAYS OR LESS |                   |                   | A. M. E. **                  |                         |                      | 45 F.C. | REMARKS                     |
|----------|----------------------|---------------------------------|---------------------|-------------------|-------------------------|-------------------|-------------------|------------------------------|-------------------------|----------------------|---------|-----------------------------|
|          |                      |                                 |                     |                   | # MILK                  | % B.F.            | # FAT             | # MILK                       | # FAT                   | # MILK**             |         |                             |
| 56 "     | 92B9169 "            | 8-12-51<br>10- 2-52             | 3-0<br>4-2          | 351<br>367        | 9842<br>9435            | 4.6<br>4.3        | 453<br>409        | 11840<br>10029               | 545<br>435              | 12906<br>10480       |         | Dry. Sold 11/53 Non-Breeder |
| 63 " "   | 92B9308 " "          | 8-29-51<br>9- 6-52<br>10- 1-53  | 2-7<br>3-8<br>4-9   | 291<br>313<br>270 | 7202<br>9023<br>7180    | 3.9<br>2.4<br>3.8 | 284<br>215<br>275 | 9096<br>10043<br>7388        | 359<br>239<br>283       | 8960<br>7633<br>7166 |         | Dry. Did not freshen.       |
| 71 " "   | 92B9302 " "          | 9-12-51<br>11-13-52<br>12-12-53 | 2-10<br>4-0<br>5-1  | 315<br>325<br>204 | 9552<br>12082<br>9275   | 4.5<br>3.6<br>3.5 | 426<br>429<br>329 | 11720<br>13012<br>Incomplete | 523<br>462<br>Lactation | 12599<br>12231       |         | Still milking               |
| 80 " "   | 92B9323 " "          | 9-24-51<br>12- 1-52<br>1- 4-54  | 2-6<br>3-8<br>4-9   | 376<br>338<br>181 | 11191<br>10365<br>8816  | 3.9<br>3.7<br>3.3 | 434<br>386<br>295 | 14269<br>11536<br>Incomplete | 553<br>430<br>Lactation | 11055<br>11017       |         | Still milking               |
| 8 "      | 92B9051<br>92B9335 " | 8-2 -51<br>6-23-52<br>10-20-53  | 3-10<br>2-7<br>3-11 | 368<br>315<br>250 | 7015<br>10514<br>9423   | 3.9<br>3.3<br>3.7 | 277<br>351<br>345 | 7541<br>13279<br>Incomplete  | 298<br>443<br>Lactation | 7428<br>11885        |         | No record. Sold             |
| 13 "     | 92B9342 "            | 8-16-52<br>6-27-53              | 2-7<br>3-6          | 252<br>291        | 6213<br>7110            | 3.5<br>3.2        | 215<br>225        | 7847<br>Incomplete           | 272<br>Lactation        | 7258                 |         | Still milking               |
| 18 "     | 92B9333 "            | 6-29-52<br>8- 8-53              | 2-8<br>3-9          | 340<br>300        | 10052<br>10466          | 3.6<br>3.9        | 359<br>408        | 10052<br>10466               | 449<br>408              | 9448<br>10309        |         | Sold 5/54.                  |
| 23 " "   | 92B9344 " "          | 7-28-52<br>6-25-53<br>5- 1-54   | 2-5<br>3-4<br>4-2   | 220<br>242<br>64  | 9667<br>10707<br>3141   | 3.3<br>3.8<br>4.2 | 323<br>406<br>133 | 12490<br>12367<br>Incomplete | 417<br>469<br>Lactation | 11179<br>11996       |         | Dry. Did not freshen.       |
| 30A "    | 92B9346 "            | 9- 5-52<br>7-26-53              | 2-6<br>3-4          | 261<br>343        | 9482<br>8859            | 3.4<br>3.6        | 326<br>318        | 12090<br>10232               | 416<br>367              | 11002<br>9618        |         | Still milking.              |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO.  | DATE CALVED        | AGE YR. MO.  | DAYS IN MILK |        | RECORD-305 DAYS OR LESS |            | A. M. L. F.C. |                               | REMARKS                     |                |                       |
|----------|--------------|--------------------|--------------|--------------|--------|-------------------------|------------|---------------|-------------------------------|-----------------------------|----------------|-----------------------|
|          |              |                    |              | MILK         | % B.F. | # MILK                  | % FAT      | MILK          | % FAT                         |                             | MILK           | % FAT                 |
| 33 "     | 92B9341<br>" | 7-10-52<br>7-20-53 | 2-6<br>3-6   | 318<br>319   |        | 8438<br>12687           | 4.4<br>3.6 | 368<br>451    | 10758<br>14349                | 469<br>510                  | 11103<br>13488 | Dry. Did not freshen. |
| 36 "     | 92B9328<br>" | 1-30-52<br>2-6-53  | 2-5<br>3-5   | 323<br>210   |        | 10066<br>4263           | 4.2<br>3.7 | 423<br>158    | 13005<br>4873                 | 547<br>181                  | 13395<br>4654  | Still milking         |
| " "      | " "          | 2-3-54             | 4-5          | 151          |        | 5475                    | 3.8        | 208           | Incomplete Lactation          |                             |                |                       |
| 44 "     | 92B9338<br>" | 7-12-52<br>8-10-53 | 2-6<br>3-7   | 327<br>86    |        | 6003                    | 4.3        | 291           | 8674<br>Incomplete Lactation  | 371<br>Incomplete Lactation | 9064           | Sold 11/53. Low prod. |
| 47 "     | 92B9316<br>" | 1-23-52<br>1-17-53 | 2-11<br>3-11 | 286<br>291   |        | 10482<br>9145           | 3.6<br>3.6 | 373<br>325    | 12736<br>10209                | 453<br>363                  | 11972<br>9596  | Still milking         |
| " "      | " "          | 1-8-54             | 4-10         | 177          |        | 7615                    | 3.5        | 264           | Incomplete Lactation          |                             |                |                       |
| 48 "     | 92B9334<br>" | 2-5-52<br>1-31-53  | 2-3<br>3-3   | 289<br>277   |        | 10348<br>10149          | 3.6<br>3.4 | 370<br>344    | 13721<br>11844                | 491<br>401                  | 12898<br>10778 | Still milking         |
| " "      | " "          | 1-13-54            | 4-3          | 172          |        | 6780                    | 3.4        | 228           | Incomplete Lactation          |                             |                |                       |
| 60 "     | 92B9343<br>" | 7-16-52<br>10-7-53 | 2-5<br>3-8   | 353<br>270   |        | 8958<br>9007            | 3.5<br>4.0 | 312<br>356    | 11574<br>Incomplete Lactation | 403<br>Incomplete Lactation | 10706          | Still milking         |
| 77 "     | 92B9340<br>" | 7-19-52<br>9-19-53 | 2-6<br>3-8   | 362<br>283   |        | 11032<br>9044           | 4.4<br>3.5 | 487<br>319    | 14066<br>Incomplete Lactation | 621<br>Incomplete Lactation | 14910          | Still milking         |
| 82 "     | 92B9327<br>" | 7-24-52<br>9-12-53 | 3-0<br>4-1   | 315<br>213   |        | 11543<br>8763           | 3.5<br>3.6 | 406<br>314    | 13886<br>9376                 | 488<br>336                  | 12845<br>8813  | Dry. Did not freshen. |
| 88 "     | 92B9332<br>" | 7-25-52<br>10-4-53 | 2-11<br>4-1  | 375<br>273   |        | 9935<br>8146            | 4.2<br>4.2 | 420<br>346    | 11425<br>Incomplete Lactation | 483<br>Incomplete Lactation | 11768          | Still milking         |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        |       | A. L. E. ** |       | 45 P.C. MILK** | REMARKS                     |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|-------|-------------|-------|----------------|-----------------------------|
|          |             |             |             |              | # MILK                  | % B.F. | # FAT | # MILK      | # FAT |                |                             |
| 16       | B164486     | 2-26-49     | 2-11*       | 402          | 10712                   | 3.2    | 340   | 13015       | 413   | 11453          | Inc. Lact. Sold             |
| "        | "           | 5-15-50     | 4-2         | 309          | 12138                   | 3.4    | 409   | 12903       | 435   | 11742          |                             |
| "        | "           | 5-22-51     | 5-2         | 318          | 15538                   | 3.4    | 530   | 15740       | 537   | 14323          |                             |
| "        | "           | 6- 1-52     | 6-3         | 307          | 12936                   | 3.0    | 392   | 12936       | 392   | 10996          |                             |
| 67       | 92B9175     | 9- 7-51     | 2-10        | 373          | 11382                   | 3.8    | 432   | 13966       | 530   | 13547          | Sold. Low production.       |
| "        | "           | 11-18-52    | 4-0         | 137          | 3681                    | 3.8    | 139   |             |       |                |                             |
| 28       | 92B9336     | 3-22-52     | 2-4         | 347          | 7992                    | 4.3    | 347   | 10462       | 454   | 10933          | Sold. Low prod. Non-Breeder |
| 50       | B164482     | 1- 7-49     | 2-11*       | 331          | 11384                   | 3.4    | 389   | 13832       | 473   | 12587          |                             |
| "        | "           | 2- 7-50     | 4-0         | 362          | 14267                   | 3.5    | 498   | 15366       | 536   | 14214          |                             |
| "        | "           | 3-25-51     | 5-1         | 320          | 13069                   | 3.6    | 473   | 13265       | 480   | 12469          |                             |
| "        | "           | 4-13-52     | 6-2         | 323          | 13240                   | 3.8    | 506   | 13240       | 506   | 12843          | Fresh. Milk fever-died.     |
| 10       | Z589196     | 7-31-50     | 2-9         | 308          | 10374                   | 4.2    | 434   | 12117       | 507   | 12481          |                             |
| "        | "           | 8-15-51     | 3-9         | 433          | 13551                   | 3.9    | 529   | 14960       | 584   | 14736          |                             |
| "        | "           | 1-28-53     | 5-2         | 66           | 2602                    | 3.8    | 100   |             |       |                | Sold                        |
| 74       | Z595213     | 2-13-49     | 2-2*        | 294          | 9455                    | 4.7    | 449   | 11715       | 556   | 12945          |                             |
| "        | "           | 3-28-50     | 3-3         | 372          | 10313                   | 5.1    | 529   | 11551       | 592   | 13457          |                             |
| "        | "           | 6- 6-51     | 4-6         | 342          | 9498                    | 4.8    | 454   | 9849        | 471   | 11031          | Sold                        |
| "        | "           | 7-11-52     | 5-7         | 267          | 9728                    | 4.7    | 456   |             |       |                |                             |
| 34       | B164480     | 5- 2-49     | 3-5*        | 520          | 10666                   | 3.8    | 402   | 11797       | 445   | 11443          | Sold                        |
| "        | "           | 12- 8-50    | 5-0         | 380          | 14211                   | 3.9    | 556   | 14495       | 567   | 14278          |                             |
| "        | "           | 1- 2-52     | 6-1         | 292          | 8170                    | 3.8    | 308   | 8170        | 308   | 7925           |                             |
| "        | "           | 1-24-53     | 7-1         | 70           | 2352                    | 4.5    | 106   |             |       |                |                             |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED          | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |            |            | A.L.I. **                     |       | L3 P.C. MILK** | REMARKS                |
|----------|-------------|----------------------|-------------|--------------|-------------------------|------------|------------|-------------------------------|-------|----------------|------------------------|
|          |             |                      |             |              | # MILK                  | % B.F.     | # FAT      | # MILK                        | # FAT |                |                        |
| 5 "      | 92B9378 "   | 9-23-52<br>1- 8-54   | 2-8<br>3-11 | 409<br>177   | 8984<br>7746            | 4.0<br>3.9 | 362<br>301 | 10574<br>Incomplete Lactation | 426   | 10574          | Still milking          |
| 6 "      | 92B9937 "   | 12-25-52<br>12-23-53 | 2-6*<br>3-6 | 325<br>194   | 9409<br>5559            | 3.9<br>4.6 | 369<br>257 | 11244<br>Incomplete Lactation | 441   | 11075          | Still milking          |
| 12       | 92B9329     | 6-20-52              | 2-9         | 349          | 6626                    | 3.0        | 202        | 8210                          | 250   | 6979           | Dry. Sold (3 quarters) |
| 58 "     | 92B9331 "   | 7-14-52              | 2-10        | 314          | 8902                    | 4.1        | 367        | 10923                         | 450   | 11087          |                        |
| " "      | " "         | 6-27-53              | 3-10        | 281          | 6906                    | 3.8        | 264        | 7650                          | 289   | 7421           |                        |
|          |             | 6- 2-54              | 4-9         | 32           | 1962                    | 3.9        | 77         | Incomplete Lactation          |       |                | Still milking          |
| 59A "    | 92B9901 "   | 11-14-52             | 2-2         | 416          | 7225                    | 4.3        | 309        | 9703                          | 415   | 10140          |                        |
| " "      | " "         | 3- 6-54              | 3-5         | 120          | 4280                    | 3.9        | 165        | Incomplete Lactation          |       |                | Still milking          |
| 69 "     | 92B9345 "   | 7-17-52              | 2-4         | 332          | 7435                    | 3.6        | 268        | 9732                          | 351   | 9148           | Sold 4/54. Low Prod.   |
| " "      | " "         | 8-10-53              | 3-4         | 237          |                         |            |            | Incomplete Lactation          |       |                |                        |
| 2A "     | 92B9996 "   | 12-12-52             | 2-1         | 388          | 7137                    | 4.2        | 298        | 9706                          | 405   | 9997           |                        |
| " "      | " "         | 1-15-54              | 3-2         | 170          | 5542                    | 3.8        | 209        | Incomplete Lactation          |       |                | Still milking          |
| 12A "    | 92B9995 "   | 6-23-53              | 2-7         | 244          | 6778                    | 3.7        | 254        | 8561                          | 321   | 8167           |                        |
| " "      | " "         | 5-11-54              | 3-6         | 54           | 2661                    | 3.6        | 95         | Incomplete Lactation          |       |                | Still milking          |
| 16A      | 92B9376     | 6- 7-53              | 2-5         | 275          | 8087                    | 3.8        | 311        | 10448                         | 402   | 10135          | Dry. Did not freshen.  |
| 28A      | 92B9377     | 6- 9-53              | 2-5*        | 360          | 4854                    | 4.9        | 238        | 5854                          | 287   | 6644           | Still milking          |
| 49       | 92B9993     | 6-19-53              | 2-7         | 319          | 9917                    | 4.3        | 431        | 12525                         | 544   | 13089          | Dry. Did not freshen.  |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS # MILK | % B.F. | # FAT | A. I. # MILK         | E. # FAT | 43 F.C. # MILK | REMARKS               |
|----------|-------------|-------------|-------------|--------------|--------------------------------|--------|-------|----------------------|----------|----------------|-----------------------|
| 50A      | 92B9984     | 6-12-53     | 2-6         | 326          | 8347                           | 3.6    | 302   | 10642                | 385      | 10003          | Dry. Did not freshen. |
| 65A      | 92B9959     | 1-19-53     | 2-2         | 289          | 9734                           | 3.9    | 376   | 13073                | 505      | 12377          | Still milking.        |
| "        | "           | 1-8-54      | 3-2         | 177          | 4970                           | 3.6    | 181   | Incomplete Lactation |          |                |                       |
| 67       | 92B9388     | 6-18-53     | 2-0         | 290          | 7960                           | 4.2    | 338   | 10961                | 465      | 11290          | Still milking.        |
| "        | "           | 6-12-54     | 3-0         | 22           | 1093                           | 3.0    | 33    | Incomplete Lactation |          |                |                       |
| 74       | 92B9383     | 6-19-53     | 2-4         | 380          | 10579                          | 3.5    | 371   | 13848                | 486      | 12809          | Still milking.        |
| 84       | 92B9968     | 7-12-53     | 2-10        | 347          | 10674                          | 3.7    | 396   | 13097                | 486      | 12508          | Dry. Did not freshen. |
| 92       | 92B9385     | 6-12-53     | 2-2         | 326          | 9787                           | 3.8    | 369   | 13144                | 496      | 12750          | Dry. Did not freshen. |
| 93A      | 92B9381     | 6-20-53     | 2-6         | 256          | 9352                           | 3.6    | 338   | 11924                | 431      | 11209          | Still milking.        |
| "        | "           | 5-14-54     | 3-5         | 51           | 2969                           | 3.4    | 100   | Incomplete Lactation |          |                |                       |
| 94       | 92B9330     | 6-26-53     | 3-10        | 282          | 7185                           | 4.5    | 325   | 7724                 | 349      | 8303           | Dry. Did not freshen. |
| 95       | 92B9379     | 6-28-53     | 2-6         | 309          | 6834                           | 5.3    | 362   | 8167                 | 433      | 9760           | Dry. Did not freshen. |
| 34A      | 92B9382     | 6-11-53     | 2-5         | 300          | 7359                           | 3.7    | 271   | 9508                 | 350      | 9080           | Still milking.        |
| "        | "           | 5-12-54     | 3-4         | 53           | 2418                           | 3.3    | 80    | Incomplete Lactation |          |                |                       |
| 91       | 92B9930     | 1-26-53     | 2-6*        | 282          | 7543                           | 4.3    | 321   | 9014                 | 384      | 9420           | Still milking.        |
| "        | "           | 12-22-53    | 3-5         | 194          | 5405                           | 3.9    | 213   | Incomplete Lactation |          |                |                       |
| 26       | 92B9973     | 11-8-52     | 2-4*        | 525          | 9525                           | 3.7    | 349   | 12468                | 457      | 11907          | Still milking.        |
| "        | "           | 6-14-54     | 3-11        | 20           | 1168                           | 4.0    | 47    | Incomplete Lactation |          |                |                       |

# PRODUCTION RECORDS OF HERD #6

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.M.O. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        |       | A. M. E.** |           | 43 F.C. MILK*** | REMARKS               |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|-------|------------|-----------|-----------------|-----------------------|
|          |             |             |             |              | # MILK                  | % D.F. | # FAT | # MILK     | # FAT     |                 |                       |
| 62 "     | 0981884 "   | 12- 8-52    | 2-6*        | 331          | 9544                    | 4.4    | 423   | 11405      | 505       | 12089           | Still milking.        |
|          |             | 1- 4-54     | 3-7         | 181          | 7331                    | 3.9    | 283   | Incomplete | Lactation |                 |                       |
| 10A      | 92F5721     | 5-25-53     | 2-6*        | 344          | 7669                    | 3.9    | 299   | 9778       | 381       | 9631            | Dry. Did not freshen. |
| 44A      | 92B9399     | 1-11-54     | 2-4         | 174          | 6105                    | 3.7    | 225   | Incomplete | Lactation |                 | Still milking.        |
| 46A      | 92B9390     | 1- 7-54     | 2-6         | 178          | 6134                    | 3.3    | 204   | Incomplete | Lactation |                 | Still milking.        |
| 96       | ---         | 8-19-53     | 2-4*        | 132          | 4055                    | 4.4    | 179   | Incomplete | Lactation |                 | Still milking.        |

# PRODUCTION RECORDS OF HERD #7

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. | AGE MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS # MILK | % B.F. | # FAT | A. M. E. # MILK      | E. # FAT | L% F.C. MILK*** | REMARKS               |
|----------|-------------|-------------|---------|---------|--------------|--------------------------------|--------|-------|----------------------|----------|-----------------|-----------------------|
| JK152    | "           | 2-26-50     | 3-3     |         | 228          | 2615                           | 5.9    | 153   | 2955                 | 173      | 3797            | Still milking.        |
|          |             | 11-29-51    | 5-0     |         | 395          | 9715                           | 5.7    | 549   | 9909                 | 403      | 12436           |                       |
|          |             | 4-5-53      | 6-5     |         | 268          | 9020                           | 5.6    | 501   | Incomplete Lactation |          |                 |                       |
| JK117    | "           | 2-28-50     | 4-4     |         | 261          | 7220                           | 5.8    | 419   | 7581                 | 440      | 9628            | Dry. Did not freshen. |
|          |             | 2-12-51     | 5-4     |         | 221          | 6953                           | 6.4    | 447   | 7023                 | 451      | 9551            |                       |
|          |             | 2-26-52     | 6-5     |         | 307          | 9732                           | 5.9    | 576   | 9732                 | 576      | 12506           |                       |
|          |             | 2-26-53     | 7-5     |         | 275          | 8155                           | 6.5    | 528   | 8203                 | 531      | 11279           |                       |
| JK164    | "           | 6-3-50      | 3-2     |         | 305          | 6610                           | 6.0    | 397   | 7469                 | 449      | 9710            | No record. Sold 8/52  |
|          |             |             |         |         |              |                                |        |       |                      |          |                 |                       |
| JK508    | "           | 6-18-50     | 2-2     |         | 292          | 6796                           | 5.3    | 363   | 8563                 | 457      | 10233           | Dry. Did not freshen. |
|          |             | 5-16-51     | 3-1     |         | 241          | 5857                           | 5.5    | 325   | 6618                 | 367      | 8107            |                       |
|          |             | 3-22-52     | 3-11    |         | 463          | 11567                          | 5.4    | 628   | 12365                | 671      | 14962           |                       |
| JK161    | "           | 4-2-50      | 3-1     |         | 287          | 6007                           | 5.6    | 338   | 6788                 | 382      | 8417            | Dry. Did not freshen. |
|          |             | 2-2-52      | 4-11    |         | 282          | 7422                           | 5.7    | 422   | 7585                 | 431      | 9519            |                       |
|          |             | 2-7-53      | 5-11    |         | 141          | 3403                           | 5.3    | 180   | Incomplete Lactation |          |                 |                       |
| JK145    | "           | 2-28-50     | 3-4     |         | 305          | 5380                           | 5.0    | 269   | 6079                 | 304      | 7538            | Still milking.        |
|          |             | 4-8-51      | 4-5     |         | 305          | 6644                           | 5.6    | 371   | 6910                 | 386      | 8568            |                       |
|          |             | 5-30-52     | 5-7     |         | 333          | 10743                          | 5.3    | 570   | 10979                | 583      | 13120           |                       |
|          |             | 5-19-53     | 6-6     |         | 193          | 5111                           | 5.0    | 250   | Incomplete Lactation |          |                 |                       |
| JK174    | "           | 4-9-50      | 3-6     |         | 305          | 8718                           | 6.2    | 541   | 9415                 | 584      | 12522           | Still milking.        |
|          |             | 3-15-51     | 4-5     |         | 294          | 4912                           | 6.0    | 294   | 5158                 | 309      | 6705            |                       |
|          |             | 7-1-52      | 5-9     |         | 332          | 9716                           | 5.9    | 578   | 9745                 | 580      | 12522           |                       |
|          |             | 8-13-53     | 6-10    |         | 107          | 2056                           | 5.5    | 113   | Incomplete Lactation |          |                 |                       |

\* Age Estimated  
 \*\* Average Mature Equivalent  
 \*\*\* L% Fat Corrected

PRODUCTION RECORDS OF HERD #7

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | # MILK | % B.P.               | A. L. F. ** |       | LBS F.C.                  | REMARKS |
|----------|-------------|-------------|------------|--------------|-------------------------|--------|--------|----------------------|-------------|-------|---------------------------|---------|
|          |             |             |            |              | # MILK                  | # B.P. |        |                      | # MILK      | # FAT |                           |         |
|          | JK460       | 6- 2-50     | 3-3        | 304          | 4984                    | 5.5    | 271    | 5591                 | 306         | 6849  | Dry. Did not freshen.     |         |
|          | "           | 9-19-52     | 5-7        | 384          | 8162                    | 5.6    | 461    | 8211                 | 464         | 10182 |                           |         |
|          | JK440       | 7-21-50     | 3-10       | 305          | 9186                    | 5.6    | 510    | 9921                 | 551         | 12302 | Sold 6/52                 |         |
|          | "           | 1-21-53     | 6-4        | 220          | 9242                    | 5.5    | 506    | Incomplete Lactation |             |       |                           |         |
|          | JK441       | 5- 3-50     | 3-7        | 305          | 7302                    | 5.9    | 431    | 7886                 | 465         | 10134 | Still milking.            |         |
|          | JK450       | 12- 1-50    | 4-1        | 294          | 6975                    | 5.3    | 369    | 7324                 | 387         | 8752  |                           |         |
|          | "           | 4-23-52     | 5-6        | 493          | 10597                   | 5.2    | 555    | 10682                | 559         | 12605 | Sold 9/52. Dairy purposes |         |
|          | "           | 11- 7-53    | 7-1        | 52           | 1680                    | 5.1    | 85     | Incomplete Lactation |             |       |                           |         |
|          | JK315       | 4-10-50     | 7-9        | 305          | 9791                    | 5.1    | 495    | 9889                 | 500         | 11521 | Still milking.            |         |
|          | "           | 4-17-51     | 8-9        | 290          | 8344                    | 4.8    | 400    | 8678                 | 416         | 9719  |                           |         |
|          | "           | 4-28-52     | 9-9        | 123          | 6609                    | 4.6    | 304    |                      |             |       | Dry. Did not freshen.     |         |
|          | JK421       | 6- 7-50     | 4-8        | 210          | 5509                    | 6.4    | 353    | 5674                 | 364         | 7717  |                           |         |
|          | "           | 5-18-51     | 5-8        | 239          | 6671                    | 5.9    | 392    | 6738                 | 396         | 8658  | Did not freshen.          |         |
|          | "           | 4- 2-52     | 6-6        | 271          | 8549                    | 6.0    | 511    | 8549                 | 511         | 11114 |                           |         |
|          | "           | 3-29-53     | 7-6        | 275          | 8560                    | 5.7    | 491    | Incomplete Lactation |             |       | Dry. Did not freshen.     |         |
|          | JK382       | 6-16-50     | 6-5        | 305          | 6771                    | 6.0    | 408    | 6771                 | 408         | 8802  |                           |         |
|          | "           | 6-16-51     | 7-5        | 278          | 6851                    | 5.8    | 396    | 6920                 | 400         | 8788  | Did not freshen.          |         |
|          | "           | 1-20-53     | 9-0        | 261          | 6341                    | 5.6    | 355    | 6493                 | 364         | 8051  |                           |         |
|          | JK451       | 8- 7-50     | 3-9        | 305          | 4293                    | 5.4    | 233    | 4636                 | 252         | 5610  | Dry. Did not freshen.     |         |
|          | "           | 8- 5-52     | 5-9        | 186          | 5316                    | 5.6    | 297    | Incomplete Lactation |             |       |                           |         |
|          | 351JK       | 2-13-51     | 8-0        | 275          | 6846                    | 5.5    | 379    | 7120                 | 394         | 8722  | Dry. Did not freshen.     |         |
|          | "           | 5- 1-52     | 9-3        | 332          | 7533                    | 5.4    | 410    | 7751                 | 422         | 9379  |                           |         |

# PRODUCTION RECORDS OF HERD #7

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. | DAYS IN MILK | RECORD-305 DAYS OF LACTATION |        |       | A. H. B. % |            | 43 F.C. MILK*** | REMARKS               |
|----------|-------------|-------------|---------|--------------|------------------------------|--------|-------|------------|------------|-----------------|-----------------------|
|          |             |             |         |              | # MILK                       | # B.F. | # FAT | # MILK     | # FAT      |                 |                       |
| JK337    | "           | 2- 4-51     | 8-1     | 284          | 8927                         | 4.9    | 440   | 9284       | 458        | 10537           | Still milking.        |
|          |             | 1-18-52     | 9-0     | 410          | 8309                         | 5.1    | 425   | 8508       | 435        | 9912            |                       |
|          |             | 7-14-53     | 10-6    | 168          | 6003                         | 5.0    | 298   | Incomplete | Incomplete | Lactation       |                       |
| JK463    | "           | 4-30-51     | 4-1     | 199          | 3296                         | 5.9    | 193   | 3461       | 203        | 4447            | Still milking.        |
|          |             | 4- 6-52     | 5-1     | 420          | 10354                        | 5.6    | 582   | 10540      | 592        | 13070           |                       |
|          |             | 7- 5-53     | 6-4     | 177          | 6479                         | 5.3    | 345   | Incomplete | Incomplete | Lactation       |                       |
| B30      | "           | 1- 9-51     | 6-0     | 255          | 5863                         | 6.0    | 352   | 5863       | 352        | 7622            | Dry. Did not freshen. |
|          |             | 10-22-52    | 7-10    | 311          | 7949                         | 5.5    | 437   | 8028       | 441        | 9834            |                       |
| JK284    | "           | 2-12-51     | 10-1    | 305          | 9182                         | 4.8    | 441   | 10284      | 494        | 11518           | Dry. Did not freshen. |
|          |             | 4-25-52     | 11-3    | 368          | 10405                        | 4.7    | 492   | 11352      | 537        | 12544           |                       |
| JK346    | "           | 7-26-51     | 8-10    | 216          | 5571                         | 5.7    | 317   | 5794       | 330        | 7271            | Still milking.        |
|          |             | 3-15-53     | 10-6    | 228          | 5644                         | 5.7    | 324   | Incomplete | Incomplete | Lactation       |                       |
| JK502    | "           | 3- 9-51     | 3-3     | 305          | 5185                         | 5.2    | 269   | 5859       | 304        | 6914            | Still milking.        |
|          |             | 3- 8-52     | 4-3     | 355          | 9526                         | 5.6    | 532   | 9983       | 558        | 12379           |                       |
|          |             | 6-25-53     | 5-6     | 187          | 5072                         | 5.1    | 260   | Incomplete | Incomplete | Lactation       |                       |
| JK471    | "           | 3- 5-51     | 3-6     | 305          | 8540                         | 5.3    | 452   | 9223       | 488        | 11021           | Still milking.        |
|          |             | 8-12-52     | 5-0     | 382          | 13531                        | 5.1    | 692   | 13802      | 706        | 16079           |                       |
|          |             | 11- 3-53    | 6-2     | 56           | 1940                         | 4.9    | 95    | Incomplete | Incomplete | Lactation       |                       |
| 184      | "           | 5-23-52     | 4-8     | 237          | 7916                         | 5.9    | 464   | 8153       | 478        | 10477           | Still milking.        |
|          |             | 4-30-53     | 5-7     | 161          | 2985                         | 5.2    | 156   | Incomplete | Incomplete | Lactation       |                       |
| K525     | "           | 3- 1-52     | 3-4     | 299          | 7983                         | 5.9    | 472   | 8901       | 526        | 11438           | Still milking.        |
|          |             | 7-28-53     | 4-8     | 154          | 5166                         | 5.3    | 274   | Incomplete | Incomplete | Lactation       |                       |

# PRODUCTION RECORDS OF HERD #7

| HERD NO. | EAR TAG NO. | DATE CALVED                   | AGE YR. MO.       | DAYS IN MILK     |                      | RECORD-305 DAYS OR LESS |                  | A. L. E. **                |                         | Lact F.C.     | REMARKS               |
|----------|-------------|-------------------------------|-------------------|------------------|----------------------|-------------------------|------------------|----------------------------|-------------------------|---------------|-----------------------|
|          |             |                               |                   | MILK             | % B.F.               | MILK                    | % FAT            | MILK                       | % FAT                   |               |                       |
| JK402    | "           | 5-18-52<br>11-29-53           | 7-7<br>9-1        | 468              | 11134                | 5.6                     | 625              | 11268                      | 632                     | 13972         | No record.            |
| JK486    | "           | 4-21-52<br>3-30-53            | 4-7<br>5-6        | 252<br>243       | 6843<br>6555         | 5.6<br>5.3              | 380<br>345       | 7069<br>6607               | 392<br>348              | 8766<br>7895  | Dry. Did not freshen. |
| JK501    | "           | 5-13-52<br>6-2-53             | 4-5<br>5-5        | 320<br>210       | 10183<br>6122        | 5.6<br>5.3              | 570<br>322       | 10590<br>Incomplete        | 592<br>Lactation        | 13132         | Still milking.        |
| JK465    | "           | 1-17-51<br>5-7-52<br>11-11-53 | 4-0<br>5-3<br>6-9 | 303<br>356<br>48 | 7614<br>9492<br>1380 | 5.8<br>5.4<br>5.0       | 444<br>513<br>69 | 7614<br>9634<br>Incomplete | 444<br>520<br>Lactation | 8094<br>11657 | Still milking.        |
| JK423    | "           | 1-7-52<br>3-4-53              | 6-3<br>7-5        | 326<br>239       | 10766<br>7572        | 5.2<br>4.5              | 557<br>339       | 10766<br>7617              | 557<br>341              | 12704<br>8188 | Dry. Did not freshen. |
| JK426    |             | 6-19-52                       | 6-10              | 476              | 9596                 | 5.4                     | 517              | 9596                       | 517                     | 11611         | Dry. Did not freshen. |
| K550     | "           | 9-29-52<br>9-14-53            | 2-11<br>3-10      | 303<br>137       | 7356<br>2960         | 5.2<br>5.3              | 380<br>158       | 8459<br>Incomplete         | 437<br>Lactation        | 9982          | Still milking.        |
| K545     |             | 10-26-52                      | 3-4               | 291              | 6374                 | 5.9                     | 373              | 394                        | 415                     | 9116          | Dry. Did not freshen. |
| K535     |             | 10-8-52                       | 3-8               | 294              | 6516                 | 5.9                     | 385              | 7083                       | 418                     | 9102          | Dry. Did not freshen. |
| K523     |             | 2-26-52                       | 3-4               | 378              | 10221                | 5.2                     | 536              | 11376                      | 597                     | 13424         | Dry. Did not freshen. |
| K517     | "           | 3-3-52<br>3-9-53              | 3-10<br>4-10      | 311<br>295       | 8609<br>6127         | 6.4<br>6.3              | 553<br>384       | 9255<br>Incomplete         | 594<br>Lactation        | 12587         | Still milking.        |
| JK488    |             | 4-27-52                       | 4-6               | 457              | 9707                 | 6.1                     | 588              | 10066                      | 610                     | 13237         | Dry. Did not freshen. |

# PRODUCTION RECORDS OF HERD #7

| HERD NO.   | EAR TAG NO. | DATE CALVED | AGE YR. | DAYS IN MILK | RECORD-305 DAYS OR LESS |              | A. L. E. **<br># MILK # FAT | 4% F.C.<br>HIK**     | REMARKS        |
|------------|-------------|-------------|---------|--------------|-------------------------|--------------|-----------------------------|----------------------|----------------|
|            |             |             |         |              | # MILK                  | % B.F. # FAT |                             |                      |                |
| JK478<br>" |             | 8-6-52      | 4-10    | 265          | 5384                    | 5.9          | 318                         | 5519                 | 7092           |
|            |             | 8-29-53     | 5-10    | 138          | 4090                    | 5.6          | 230                         | Incomplete lactation | Still milking. |
| K582       |             | 11-6-52     | 2-0*    | 280          | 5720                    | 5.8          | 333                         | 7219                 | 9168           |
| L16        |             | 10-10-52    | 2-3     | 384          | 7717                    | 5.4          | 417                         | 9476                 | 11466          |
| K126       |             | 10-23-52    | 1-11    | 311          | 5191                    | 5.2          | 268                         | 6619                 | 7810           |
| H821       |             | 9-11-52     | 7-0     | 257          | 5086                    | 5.5          | 281                         | 5086                 | 6230           |
| K562       |             | 8-27-52     | 2-6     | 428          | 10429                   | 5.6          | 581                         | 12463                | 15454          |
| K580       |             | 9-5-52      | 2-0*    | 312          | 5689                    | 5.6          | 318                         | 7180                 | 9011           |
| "          |             | 11-19-53    | 3-2     | 40           | 1576                    | 4.8          | 75                          | Incomplete lactation | Still milking  |
| K577       |             | 8-23-52     | 2-1     | 355          | 4158                    | 5.9          | 244                         | 5198                 | 6679           |
| K563       |             | 8-29-52     | 2-5     | 303          | 6522                    | 5.7          | 370                         | 7866                 | 9872           |
| "          |             | 8-16-53     | 3-4     | 135          | 3142                    | 4.6          | 146                         | Incomplete lactation | Still milking. |
| K529       |             | 7-7-52      | 3-6     | 305          | 7986                    | 5.8          | 460                         | 8777                 | 11147          |
| "          |             | 7-15-53     | 4-6     | 198          | 4602                    | 5.2          | 238                         | Incomplete lactation | Still milking. |
| K558       |             | 6-20-52     | 2-4     | 496          | 8780                    | 5.8          | 509                         | 10685                | 13570          |
| K557       |             | 8-21-52     | 2-6     | 523          | 8379                    | 4.9          | 411                         | 10013                | 11365          |
| K566       |             | 8-16-52     | 2-4     | 408          | 7138                    | 5.3          | 380                         | 8687                 | 10381          |
| "          |             | 1-9-54      | 3-8     | 20           | 556                     | 4.9          | 27                          | Incomplete lactation | Still milking. |

# PRODUCTION RECORDS OF HERD #7

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A. M. E. # |                      | LBS F.C. MILK | REMARKS |                       |
|----------|-------------|-------------|------------|--------------|-------------------------|--------|------------|----------------------|---------------|---------|-----------------------|
|          |             |             |            |              | # MILK                  | % B.F. | # MILK     | # FAT                |               |         |                       |
| JK320    |             | 10-23-52    | 10-0*      | 330          | 7619                    | 5.7    | 438        | 7977                 | 459           | 10011   | Dry. Did not freshen. |
| K491     |             | 7- 1-52     | 4-8        | 424          | 11335                   | 4.7    | 536        | 11686                | 553           | 13088   | Dry. Did not freshen. |
| K530     |             | 7-17-52     | 3-6        | 469          | 9387                    | 5.0    | 468        | 10316                | 514           | 11863   | Dry. Did not freshen. |
| K526     |             | 10-17-52    | 4-0        | 377          | 7588                    | 5.9    | 450        | 8066                 | 478           | 10365   | Dry. Did not freshen. |
| JK442    |             | 11-24-51    | 5-2        | 311          | 9277                    | 5.1    | 469        | 9425                 | 477           | 10980   | Dry. Did not freshen. |
| "        |             | 12-28-52    | 6-3        | 283          | 5702                    | 4.9    | 282        | 5702                 | 282           | 6472    |                       |
| K551     |             | 12-29-52    | 3-2        | 304          | 6535                    | 5.2    | 342        | 7365                 | 385           | 8691    | Dry. Did not freshen. |
| K541     |             | 11-20-52    | 3-6        | 435          | 8475                    | 5.6    | 475        | 9424                 | 522           | 11686   | Dry. Did not freshen. |
| K626     |             | 3- 2-52     | 2-1        | 271          | 6681                    | 5.9    | 395        | Incomplete Lactation | 325           | 7411    | Dry. Did not freshen. |
| "        |             | 3- 7-53     | 3-1        | 205          | 5758                    | 4.9    | 285        |                      |               |         |                       |
| JK340    |             | 2-27-53     | 10-9       | 274          | 7514                    | 6.8    | 509        | 8130                 | 551           | 11545   | Dry. Did not freshen. |
| JK379    |             | 2-25-53     | 9-2        | 225          | 6979                    | 4.7    | 326        | 7146                 | 334           | 7896    | Dry. Did not freshen. |
| JK425    |             | 2- 7-53     | 7-3        | 294          | 8201                    | 5.2    | 403        | Incomplete Lactation |               |         | Still milking.        |
| JK317    |             | 10-30-52    | 9-11       | 344          | 8809                    | 6.0    | 525        |                      |               |         |                       |
| K555     |             | 11- 8-52    | 2-10       | 355          | 7042                    | 6.4    | 451        | 8162                 | 523           | 11100   | Dry. Did not freshen. |
| K589     |             | 11-15-52    | 1-9        | 297          | 5403                    | 5.1    | 278        | 7029                 | 362           | 8189    | Still milking.        |
| "        |             | 10-29-53    | 2-8        | 61           | 2170                    | 4.7    | 102        | Incomplete Lactation |               |         |                       |

# PRODUCTION RECORDS OF HERD #7

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN LITK | RECORD-305 DAYS OR LESS |        | A. L. E. ** |           | L3 F.C. MILK | REMARKS               |
|----------|-------------|-------------|------------|--------------|-------------------------|--------|-------------|-----------|--------------|-----------------------|
|          |             |             |            |              | # MILK                  | # B.F. | # MILK      | # FAT     |              |                       |
| K588     |             | 1-20-53     | 2-1        | 221          | 3502                    | 5.3    | 4378        | 231       | 5232         | Dry. Did not freshen. |
| K583     |             | 1-19-53     | 2-0        | 222          | 5518                    | 5.5    | Incomplete  | Lactation |              |                       |
| K560     |             | 2-7-53      | 3-0        | 294          | 7611                    | 5.0    | 8718        | 432       | 10026        | Dry. Did not freshen. |
| K579     |             | 3-11-53     | 2-7        | 290          | 6477                    | 5.8    | Incomplete  | Lactation |              | Still milking.        |
| K587     |             | 2-25-53     | 2-0        | 246          | 5857                    | 5.1    | Incomplete  | Lactation |              | Still milking.        |
| K537     |             | 5-13-53     | 4-2        | 230          | 7310                    | 5.9    | Incomplete  | Lactation |              | Still milking.        |
| K521     |             | 4-16-53     | 4-6*       | 257          | 6800                    | 5.2    | Incomplete  | Lactation |              | Still milking.        |
| 160      |             | 7-15-53     | 6-0*       | 188          | 3598                    | 4.8    | Incomplete  | Lactation |              | Still milking.        |

# PRODUCTION RECORDS OF HERD #14

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.NO. | DAYS IN MILK | RECORD-305 DAYS OR LESS | A. L. E. ** | 1/2 F.C. | REMARKS               |
|----------|-------------|-------------|------------|--------------|-------------------------|-------------|----------|-----------------------|
| 15       | R5          | 12-30-45    | 2-4        | 380          | 5772                    | 5.1         | 293      |                       |
| "        | "           | 3-5-47      | 3-6        | 246          | 7494                    | 4.6         | 341      |                       |
| "        | "           | 8-23-49     | 5-11       | 405          | 8444                    | 4.9         | 411      |                       |
| "        | "           | 12-12-50    | 7-3        | 343          | 8581                    | 4.7         | 405      |                       |
| "        | "           | 1-19-52     | 8-4        | 291          | 8773                    | 4.7         | 412      |                       |
| "        | "           | 1-30-53     | 9-5        | 309          | 10155                   | 4.9         | 498      |                       |
| "        | "           | 2-10-54     | 10-5       | 144          | 6197                    | 4.6         | 287      | Still milking.        |
| 19       | 4983920     | 5-8-46      | 8-3        | 284          | 7454                    | 5.0         | 375      |                       |
| "        | "           | 4-12-47     | 9-2        | 328          | 12144                   | 4.6         | 563      |                       |
| "        | "           | 8-15-49     | 11-6       | 428          | 12133                   | 4.4         | 538      |                       |
| "        | "           | 1-21-50     | 11-11      | 387          | 12256                   | 4.8         | 594      |                       |
| "        | "           | 4-22-52     | 14-2       | 382          | 14917                   | 4.3         | 639      |                       |
| "        | "           | 7-17-53     | 15-5       | 353          | 12063                   | 4.6         | 554      | Still milking         |
| 22       | 1980830     | 5-29-46     | 2-3        | 249          | 4833                    | 5.4         | 263      |                       |
| "        | "           | 5-27-47     | 3-4        | 344          | 7784                    | 5.7         | 441      |                       |
| "        | "           | 1-24-49     | 5-0        | 332          | 8133                    | 5.6         | 454      |                       |
| "        | "           | 2-15-50     | 6-0        | 293          | 9042                    | 5.5         | 496      |                       |
| "        | "           | 2-9-51      | 7-0        | 269          | 6992                    | 5.2         | 367      |                       |
| "        | "           | 1-4-52      | 7-11       | 306          | 9189                    | 5.7         | 526      |                       |
| "        | "           | 1-17-53     | 8-11       | 305          | 9080                    | 5.5         | 498      | Dry. Did not freshen. |
| 24       | R14         | 11-13-46    | 2-1        | 328          | 6764                    | 5.1         | 342      |                       |
| "        | "           | 4-22-49     | 4-7        | 289          | 7630                    | 5.3         | 401      |                       |
| "        | "           | 3-12-50     | 5-5        | 366          | 7563                    | 5.2         | 391      |                       |
| "        | "           | 5-3-51      | 6-7        | 400          | 7322                    | 5.0         | 369      |                       |
| "        | "           | 8-2-52      | 7-10       | 311          | 9126                    | 5.3         | 486      |                       |
| "        | "           | 8-18-53     | 8-10       | 314          | 9042                    | 5.1         | 407      | Still milking.        |

\* Age Estimated  
 \*\* Average Mature Equivalent  
 \*\*\* 1/2 Fat Corrected

# PRODUCTION RECORDS OF HERD #714

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.NO. | DAYS IN MILK | RECORD-305 DAYS OR LESS # MILK | 3 B.F. | # FAT | A. I. # MILK         | F. # FAT | 143 F.C. # MILK | REMARKS              |
|----------|-------------|-------------|------------|--------------|--------------------------------|--------|-------|----------------------|----------|-----------------|----------------------|
| 5        | 1968591     | 3-17-46     | 3-5        | 353          | 4762                           | 6.0    | 284   | 5267                 | 314      | 6847            |                      |
| "        | "           | 4- 1-47     | 4-6        | 291          | 7254                           | 5.0    | 364   | 7522                 | 377      | 8650            |                      |
| 20       | T515941     | 5-26-47     | 2-11       | 345          | 7240                           | 4.8    | 349   | 8326                 | 401      | 9325            |                      |
| "        | "           | 10-20-49    | 5-4        | 334          | 9075                           | 4.7    | 425   | 9184                 | 430      | 10148           |                      |
| "        | "           | 11-24-50    | 6-5        | 289          | 8607                           | 4.5    | 390   | 8607                 | 390      | 9253            |                      |
| "        | "           | 11-13-51    | 7-5        | 300          | 8959                           | 5.1    | 453   | 9004                 | 455      | 10490           |                      |
| "        | "           | 11- 3-52    | 8-4        | 299          | 7957                           | 4.8    | 384   | 8084                 | 390      | 9054            |                      |
| "        | "           | 10-25-53    | 9-3        | 246          | 7006                           | 4.8    | 335   | Incomplete lactation |          |                 | Still milking        |
| 23       | R13         | 10- 4-46    | 2-0        | 274          | 5386                           | 5.2    | 280   | 6797                 | 353      | 8020            |                      |
| "        | "           | 8- 1-47     | 2-10       | 278          | 5916                           | 4.6    | 274   | 6857                 | 318      | 7474            |                      |
| "        | "           | 1-27-49     | 4-4        | 312          | 6909                           | 4.7    | 328   | 7220                 | 343      | 7978            |                      |
| "        | "           | 1-24-50     | 5-4        | 315          | 8121                           | 4.5    | 366   | 8218                 | 370      | 8834            |                      |
| "        | "           | 1-30-51     | 6-4        | 269          | 8421                           | 4.6    | 390   | 8421                 | 390      | 9179            |                      |
| "        | "           | 12-21-51    | 7-3        | 363          | 8500                           | 4.7    | 396   | 8526                 | 397      | 9421            |                      |
| "        | "           | 2-11-53     | 8-4        | 340          | 8059                           | 5.0    | 406   | 8188                 | 412      | 9416            |                      |
| "        | "           | 3- 9-54     | 9-5        | 118          | 4558                           | 4.5    | 204   | Incomplete lactation |          |                 | Still milking.       |
| 29       | R19         | 2- 9-49     | 3-3        | 383          | 6725                           | 5.3    | 354   | 7149                 | 376      | 8543            |                      |
| "        | T595231     | 4-10-50     | 4-5        | 301          | 7621                           | 5.5    | 420   | 7933                 | 437      | 9718            |                      |
| "        | "           | 3-17-51     | 5-4        | 282          | 7700                           | 5.2    | 398   | 8147                 | 421      | 9613            |                      |
| "        | "           | 2-27-52     | 6-4        | 403          | 8470                           | 5.8    | 492   | 8470                 | 492      | 10757           |                      |
| "        | "           | 6-14-53     | 7-7        | 386          | 8194                           | 5.3    | 438   | 8251                 | 441      | 9860            | Dry. Did not freshen |
| 30       | T515273     | 1-12-50     | 4-7        | 389          | 7626                           | 5.0    | 385   | 7885                 | 398      | 9068            |                      |
| "        | "           | 3-15-51     | 4-9        | 311          | 9235                           | 5.1    | 474   | 9494                 | 487      | 11061           | Sold 10/52.          |
| 32       | Z595284     | 11-10-49    | 3-8        | 373          | 7452                           | 6.2    | 461   | 8100                 | 501      | 10773           |                      |
| "        | "           | 12-31-50    | 4-10       | 306          | 5576                           | 6.1    | 339   | 5715                 | 347      | 7515            |                      |
| "        | "           | 1- 1-52     | 5-10       | 401          | 6934                           | 6.2    | 428   | 6948                 | 429      | 9241            |                      |
| "        | "           | 4- 6-53     | 7-1        | 318          | 7244                           | 6.1    | 440   | 7251                 | 440      | 9535            |                      |
| "        | "           | 4-13-54     | 8-1        | 83           | 3247                           | 5.6    | 182   | Incomplete lactation |          |                 | Still milking.       |

# PRODUCTION RECORDS OF HEED #11

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. | DAYS IN MILK | RECORD-305 DAYS OR LESS. # MILK | 3 B.F. # | A. M. E. # MILK | E. # FAT   | 1/2 F.C. MILK*** | REMARKS        |
|----------|-------------|-------------|---------|--------------|---------------------------------|----------|-----------------|------------|------------------|----------------|
| 45       | K447460     | 4-1-49      | 2-4     | 300          | 6163                            | 5.9      | 361             | 7500       | 439              | 9638           |
| "        | "           | 4-4-50      | 3-4     | 307          | 8941                            | 5.1      | 542             | 9951       | 603              | 13086          |
| "        | "           | 4-5-51      | 4-4     | 269          | 8560                            | 6.1      | 525             | 8945       | 549              | 11763          |
| "        | "           | 3-2-52      | 5-3     | 326          | 10108                           | 6.2      | 624             | 10250      | 633              | 13633          |
| "        | "           | 4-1-53      | 6-4     | 332          | 9425                            | 6.1      | 571             | 9425       | 571              | 12394          |
| "        | "           | 4-26-54     | 7-4     | 70           | 3372                            | 5.9      | 200             | Incomplete | Lactation        | Still milking. |
| 46       | R28         | 4-10-49     | 2-1     | 295          | 4917                            | 6.0      | 294             | 6146       | 368              | 7990           |
| "        | "           | 3-15-50     | 3-0     | 327          | 5682                            | 5.8      | 328             | 6483       | 374              | 8233           |
| "        | "           | 4-3-51      | 4-1     | 253          | 7311                            | 5.4      | 395             | 7735       | 418              | 9359           |
| "        | "           | 2-2-52      | 4-11    | 320          | 6871                            | 5.8      | 399             | 7022       | 408              | 8918           |
| "        | "           | 2-8-53      | 5-11    | 293          | 7747                            | 5.7      | 442             | 7755       | 442              | 9733           |
| "        | "           | 1-27-54     | 6-10    | 159          | 4800                            | 5.4      | 258             | Incomplete | Lactation        | Still milking. |
| 47       | Z595528     | 3-25-49     | 2-3     | 349          | 5078                            | 5.9      | 302             | 6236       | 371              | 8013           |
| "        | "           | 4-5-50      | 3-3     | 420          | 6038                            | 6.2      | 376             | 6763       | 421              | 8995           |
| "        | "           | 7-22-51     | 4-7     | 326          | 3902                            | 6.2      | 241             | 4035       | 249              | 5367           |
| 33       | Z595286     | 10-13-49    | 3-5     | 388          | 7575                            | 6.1      | 460             | 8378       | 509              | 11017          |
| "        | "           | 1-1-51      | 4-7     | 277          | 8422                            | 5.7      | 481             | 8708       | 497              | 10929          |
| 36       | R21         | 2-16-50     | 3-9     | 302          | 6909                            | 4.8      | 334             | 7469       | 361              | 8365           |
| "        | "           | 2-14-51     | 4-9     | 274          | 7918                            | 4.7      | 372             | 8140       | 382              | 8995           |
| "        | "           | 1-10-52     | 5-8     | 315          | 9099                            | 4.5      | 408             | 9135       | 410              | 9820           |
| "        | "           | 1-8-53      | 6-8     | 301          | 8295                            | 4.6      | 380             | 8295       | 380              | 9042           |
| "        | "           | 1-14-54     | 7-8     | 172          | 6263                            | 4.5      | 279             | Incomplete | Lactation        | Still milking. |
| 48       | R33         | 8-31-50     | 2-10    | 317          | 6345                            | 5.2      | 331             | 7354       | 384              | 8678           |
| "        | "           | 9-17-51     | 3-10    | 323          | 6784                            | 5.9      | 397             | 7293       | 427              | 9372           |
| "        | "           | 10-14-52    | 4-11    | 278          | 8734                            | 5.5      | 482             | 8926       | 493              | 10934          |
| "        | "           | 9-21-53     | 5-10    | 287          | 7675                            | 5.7      | 439             | Incomplete | Lactation        | Still milking. |

# PRODUCTION RECORDS OF HERD #114

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |       | % B.F. | A. L. E.**           |       | 43 F.C. | REMARKS               |
|----------|-------------|-------------|------------|--------------|-------------------------|-------|--------|----------------------|-------|---------|-----------------------|
|          |             |             |            |              | # MILK                  | # FAT |        | # MILK               | # FAT |         |                       |
| 49       | R30         | 9- 5-50     | 3-1        | 372          | 5576                    | 6.1   | 340    | 6323                 | 386   | 8315    | Still milking.        |
| "        | "           | 11-14-51    | 4-3        | 300          | 6960                    | 6.2   | 433    | 7301                 | 454   | 9710    |                       |
| "        | "           | 11-27-52    | 5-3        | 313          | 7698                    | 6.1   | 470    | 7806                 | 477   | 10123   |                       |
| "        | "           | 12- 9-53    | 6-3        | 204          | 4600                    | 6.7   | 306    | Incomplete Lactation |       |         |                       |
| 50       | R31         | 9-12-50     | 3-0        | 415          | 7546                    | 4.8   | 364    | 8610                 | 415   | 9643    | Still milking.        |
| "        | "           | 1- 5-52     | 4-4        | 335          | 8366                    | 5.5   | 461    | 8742                 | 482   | 10709   |                       |
| "        | "           | 1-28-53     | 5-5        | 401          | 8306                    | 5.2   | 433    | 8389                 | 437   | 9899    |                       |
| "        | "           | 5- 5-54     | 6-9        | 61           | 2557                    | 5.4   | 139    | Incomplete Lactation |       |         |                       |
| 47       | R35         | 3-10-50     | 2-2        | 315          | 5749                    | 6.3   | 362    | 7123                 | 449   | 9580    | Sold 7/53.            |
| "        | "           | 3-20-51     | 3-3        | 261          | 4723                    | 6.0   | 282    | 5290                 | 316   | 6877    |                       |
| "        | "           | 2-10-52     | 4-1        | 312          | 5983                    | 6.2   | 370    | 6330                 | 391   | 8419    |                       |
| "        | "           | 2-14-53     | 5-1        | 170          | 3999                    | 6.2   | 248    | Incomplete Lactation |       |         |                       |
| 37       | R22         | 3-17-50     | 3-10       | 272          | 6193                    | 5.1   | 317    | 6657                 | 341   | 7755    | No record. Sold 1953. |
| "        | "           | 2- 4-51     | 4-9        | 274          | 6530                    | 4.9   | 323    | 6713                 | 332   | 7619    |                       |
| "        | "           | 1-13-52     | 5-8        | 312          | 7941                    | 5.4   | 425    | 7973                 | 427   | 9647    |                       |
| 52       | R37         | 11-15-50    | 2-8        | 302          | 6644                    | 6.2   | 415    | 7820                 | 488   | 10401   | Sold 1953. Aborted.   |
| "        | "           | 11-13-51    | 3-8        | 416          | 6782                    | 6.1   | 413    | 7372                 | 449   | 9694    |                       |
| 53       | 92B9650     | 11-16-50    | 2-1        | 323          | 5862                    | 5.2   | 306    | 7328                 | 383   | 8647    | Sold 9/52. Low prod.  |
| 56       | Z589348     | 9-25-51     | 2-8        | 297          | 5775                    | 6.2   | 358    | 6797                 | 421   | 9040    | Still milking.        |
| "        | "           | 9-11-52     | 3-7        | 311          | 6930                    | 6.3   | 435    | 7574                 | 475   | 10187   |                       |
| "        | "           | 9-17-53     | 4-7        | 281          | 6479                    | 6.4   | 412    | Incomplete Lactation |       |         |                       |

# PRODUCTION RECORDS OF HERD #714

| HERD NO. | EAR TAG NO.      | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK # B.F. | # MILK # F.C.        | REMARKS               |
|----------|------------------|-------------|-------------|--------------|------------------------------------------|----------------------|-----------------------|
| 54       | R40              | 1-6-51      | 2-2         | 293          | 6317                                     | 7827                 | Sold 8/53.            |
| "        | "                | 12-21-51    | 3-1         | 350          | 6090                                     | 6906                 |                       |
| "        | "                | 1-21-53     | 4-2         | 196          | 4467                                     | Incomplete Lactation |                       |
| 62       | 53R<br>(92E9506) | 9-18-52     | 2-7         | 313          | 5960                                     | 7069                 | Still milking.        |
| "        | "                | 9-29-53     | 3-7         | 280          | 5999                                     | Incomplete Lactation |                       |
| 64       | R54              | 10-10-52    | 2-7         | 299          | 6610                                     | 7839                 | Still milking.        |
| "        | "                | 10-4-53     | 3-7         | 273          | 6117                                     | Incomplete Lactation |                       |
| 65       | R60              | 11-22-52    | 2-2         | 297          | 7796                                     | 9659                 | Still milking.        |
| "        | "                | 11-6-53     | 3-2         | 237          | 5477                                     | Incomplete Lactation |                       |
| 66       | 61R              | 12-1-52     | 2-0         | 308          | 5827                                     | 7354                 | Still milking.        |
| "        | "                | 3-3-54      | 3-4         | 124          | 3460                                     | Incomplete Lactation |                       |
| 67       | R62              | 12-3-52     | 2-0         | 306          | 6393                                     | 8068                 | Still milking.        |
| "        | "                | 12-10-53    | 3-0         | 207          | 6121                                     | Incomplete Lactation |                       |
| 68       | R59              | 12-4-52     | 2-3         | 305          | 6345                                     | 7792                 | Still milking.        |
| "        | "                | 11-29-53    | 3-3         | 212          | 6303                                     | Incomplete Lactation |                       |
| 61       | R55              | 4-21-52     | 2-1         | 310          | 5928                                     | 7410                 | Still milking.        |
| "        | "                | 4-25-53     | 3-1         | 255          | 5280                                     | Incomplete Lactation |                       |
| 60       | Z589346          | 3-14-52     | 3-2         | 313          | 7038                                     | 7932                 | Sold 10/53. Low Prod. |
| "        | "                | 3-23-53     | 4-2         | 196          | 5920                                     | Incomplete Lactation |                       |
| "        | R73              | 10-31-53    | 2-0         | 63           | 1098                                     | Incomplete Lactation | Sold. Low production. |

# PRODUCTION RECORDS OF HERD #11

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        | A. L. B. **          |       | L% F.C. | REMARKS                    |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|----------------------|-------|---------|----------------------------|
|          |             |             |             |              | # MILK                  | % B.F. | # MILK               | # FAT |         |                            |
|          | R64         | 7-23-53     | 2-6         | 293          | 6024                    | 5.3    | 7199                 | 381   | 8603    | Dry. Did not freshen.      |
|          | R65         | 8-23-53     | 2-5         | 301          | 6211                    | 4.9    | 7490                 | 370   | 8501    | Dry. Did not freshen.      |
|          | R70         | 7-29-53     | 2-5         | 338          | 4739                    | 5.6    | 5715                 | 321   | 7087    | Still milking.             |
|          | R67         | 8-24-53     | 2-5         | 290          | 6552                    | 5.6    | 7902                 | 446   | 9798    | Dry. Did not freshen.      |
|          | R66         | 4-1-53      | 3-1         | 338          | 6826                    | 5.5    | 7741                 | 426   | 9483    | Still milking.             |
|          | "           | 5-8-54      | 4-2         | 58           | 2522                    | 5.0    | Incomplete Lactation |       |         | Still milking.             |
|          | R72         | 9-3-53      | 1-11        | 277          | 4764                    | 5.6    | Incomplete Lactation |       |         | Still milking.             |
|          | R68         | 9-5-53      | 2-5         | 303          | 3880                    | 4.9    | 4679                 | 229   | 5311    | Dry. Did not freshen.      |
|          | R71         | 7-29-53     | 1-10        | 31           | 738                     | 3.3    | Incomplete Lactation |       |         | Sold 9/53. Low production. |

# PRODUCTION RECORDS OF HEED #20

| HEED NO. | EAR TAG NO. | DATE CALVED         | AGE YR. MO.   | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % B.F. # FAT | A. L. E. **<br># MILK # FAT | 4% F.C. MILK ***              | REMARKS                      |
|----------|-------------|---------------------|---------------|--------------|------------------------------------------------|-----------------------------|-------------------------------|------------------------------|
| 1 "      | T561932     | 9- 4-52<br>10-20-53 | 3-2*<br>4-3   | 268<br>201   | 8069<br>6742                                   | 310<br>283                  | 9513<br>Incomplete Lactation  | Still milking                |
| 5 "      | Z595582     | 9-24-52<br>8-18-53  | 7-5*<br>8-3   | 287<br>264   | 11179<br>7877                                  | 392<br>294                  | 11302<br>Incomplete Lactation | Still milking                |
| 7 "      | 1081        | 9-22-52<br>8-21-53  | 4-0*<br>4-11  | 289<br>261   | 9177<br>9293                                   | 310<br>328                  | 9884<br>Incomplete Lactation  | Still milking                |
| 9 "      | Z589338     | 8-19-52<br>9- 1-53  | 3-11*<br>4-11 | 308<br>249   | 9494<br>8108                                   | 359<br>304                  | 10310<br>Incomplete Lactation | Still milking                |
| 10 "     | 92B9530     | 9- 9-52<br>9- 7-53  | 3-11<br>4-11  | 286<br>211   | 7634<br>6710                                   | 276<br>274                  | 8069<br>6844                  | Did not freshen              |
| 12       | C2676       | 8- 3-52             | 3-5*          | 107          | 2351                                           | 95                          |                               | Sold 12/3 Low Prod.          |
| 19 "     | Z595234     | 8-18-52<br>7- 4-53  | 7-6*<br>8-3   | 269<br>281   | 9706<br>8243                                   | 347<br>284                  | 9822<br>8466                  | Did not freshen              |
| 20 "     | K190516     | 9-11-52<br>9- 7-53  | 3-2*<br>4-1   | 287<br>244   | 10378<br>7615                                  | 351<br>260                  | 12236<br>Incomplete Lactation | Still milking                |
| 24       | T515612     | 12-23-52            | 9-4*          | 229          | 7096                                           | 239                         |                               | Sold 8/5. Mastitis. Pregnant |
| 29 "     | 1448        | 11- 3-52<br>9-28-53 | 7-8*<br>8-6   | 273<br>223   | 12401<br>8623                                  | 478<br>317                  | 12475<br>Incomplete Lactation | Still milking                |
| 31 "     | Z589337     | 8-10-52<br>6-10-53  | 2-10*<br>3-8  | 303<br>221   | 9788<br>5528                                   | 438<br>250                  | 12010<br>6153                 | Did not freshen              |

\* Age Estimated

\*\* Average Mature Equivalent

\*\*\* 10% Fat Content Basis

PRODUCTION RECORDS OF HERD #20

| HERD NO. | EAR TAG NO.  | DATE CALVED          | AGE YR. MO.   | DAYS IN MILK | RECORD-305 DAYS OR LESS |            |            | A. L. E. **                   |              | L2 F. C. MILK*** | REMARKS              |
|----------|--------------|----------------------|---------------|--------------|-------------------------|------------|------------|-------------------------------|--------------|------------------|----------------------|
|          |              |                      |               |              | # MILK                  | % B.F.     | # FAT      | # MILK                        | # FAT        |                  |                      |
| 35 "     | K490548<br>" | 9- 2-52<br>8-24-53   | 3-11*<br>4-10 | 309<br>258   | 10457<br>10595          | 3.5<br>3.6 | 361<br>380 | 11356<br>Incomplete Lactation | 392<br>10413 |                  | Still milking        |
| 36 "     | K490545<br>" | 8-25-52<br>7- 2-53   | 2-6*<br>3-4   | 277<br>281   | 8780<br>5247            | 3.4<br>3.7 | 302<br>193 | 11195<br>6060                 | 385<br>223   | 10187<br>5787    | Did not freshen      |
| 38 "     | K447967<br>" | 10- 9-52<br>10-20-53 | 8-0*<br>9-0   | 263          | 10016                   | 3.2        | 322        | 11218                         | 361          | 9872             | Sold. Low production |
| 39 "     | K490278<br>" | 9-18-52<br>12-10-53  | 3-7*<br>4-9   | 324<br>150   | 8041<br>5630            | 3.6<br>3.4 | 290<br>194 | 9022<br>Incomplete Lactation  | 325<br>8481  |                  | Still milking        |
| 41 "     | 44641<br>"   | 8-30-52<br>7- 1-53   | 3-6*<br>4-4   | 282<br>251   | 7192<br>5434            | 2.9<br>3.4 | 209<br>184 | 8134<br>5700                  | 236<br>193   | 6792<br>5187     | Did not freshen      |
| 42 "     | K490550<br>" | 10-17-52<br>8-18-53  | 3-1*<br>3-11  | 254<br>273   | 9130<br>5262            | 3.6<br>3.5 | 326<br>179 | 10874<br>5715                 | 388<br>194   | 10222<br>5286    | Did not freshen      |
| 2        | Z595585      | 4-20-53              | 8-2*          | 323          | 8852                    | 3.2        | 285        | 9064                          | 292          | 7976             | Did not freshen      |
| 6 "      | 48-822<br>"  | 1-11-53<br>12-15-53  | 5-1*<br>6-0   | 210<br>141   | 5688<br>3372            | 4.5<br>4.7 | 256<br>160 | 5790<br>Incomplete Lactation  | 260<br>6224  |                  | Still milking        |
| 11A "    | C969428<br>" | 1-11-53<br>11-12-53  | 2-1<br>2-11   | 227<br>178   | 5676<br>3397            | 4.3<br>4.1 | 243<br>138 | 7095<br>Incomplete Lactation  | 304<br>7414  |                  | Still milking        |
| 13       | 92A8575      | 6- 9-53              | 6-3*          | 245          | 5600                    | 5.4        | 302        | 5600                          | 302          | 6776             | Did not freshen      |
| 14 "     | T443267<br>" | 12-1-52<br>10-31-53  | 10-2*<br>11-1 | 282<br>191   | 6821<br>4543            | 4.7<br>3.6 | 320<br>162 | 7183<br>Incomplete Lactation  | 337<br>7937  |                  | Still milking        |

PRODUCTION RECORDS OF HERD #20

| HERD NO. | EAR TAG NO.  | DATE CALVED          | AGE YR.MO.    | DAYS IN MILK | RECORD-305 DAYS OR LESS |            | % B.F.     | A. I. E. **                   |            | L% F. C.      | REMARKS         |
|----------|--------------|----------------------|---------------|--------------|-------------------------|------------|------------|-------------------------------|------------|---------------|-----------------|
|          |              |                      |               |              | # MILK                  | # FAT      |            | # MILK                        | # FAT      |               |                 |
| 15 "     | G2677<br>"   | 3-22-53<br>2-19-54   | 4-1*<br>4-11  | 317<br>79    | 8688<br>3371            | 389<br>134 | 4.5<br>4.1 | 9296<br>Incomplete Lactation  | 416        | 9993          | Still milking   |
| 21 "     | Z595583<br>" | 1-10-53<br>1- 6-54   | 7-3*<br>8-2   | 242<br>124   | 10666<br>6624           | 368<br>214 | 3.5<br>4.5 | 10762<br>Incomplete Lactation | 371        | 9955          | Still milking   |
| 22 "     | 92B9538<br>" | 10- 9-52<br>9- 2-53  | 3-7*<br>4-6   | 304<br>239   | 10539<br>6307           | 328<br>216 | 3.1<br>3.4 | 11825<br>Incomplete Lactation | 368        | 10229         | Still milking   |
| 23       | Z595232      | 2- 8-53              | 7-1*          | 335          | 12685                   | 487        | 3.8        | 12812                         | 492        | 12428         | Did not freshen |
| 25       | K490543      | 7- 3-53              | 3-9*          | 294          | 7164                    | 264        | 3.7        | 7228                          | 266        | 6903          | Did not freshen |
| 26 "     | C979559<br>" | 1- 7-53<br>12-18-53  | 9-10*<br>10-9 | 245<br>138   | 8386<br>4901            | 279<br>165 | 3.3<br>3.4 | 9090<br>Incomplete Lactation  | 302        | 8136          | Still milking   |
| 27 "     | Z589336<br>" | 8- 8-52<br>6-11-53   | 2-10*<br>3-8  | 279<br>271   | 9542<br>6611            | 355<br>251 | 3.7<br>3.8 | 11708<br>7358                 | 436<br>279 | 11181<br>7137 | Did not freshen |
| 28 "     | BP40848<br>" | 1-17-53<br>1- 3-54   | 8-4*<br>9-3   | 265<br>127   | 6858<br>4028            | 292<br>190 | 4.3<br>4.7 | 6968<br>Incomplete Lactation  | 297        | 7282          | Still milking   |
| 30 "     | 11108<br>"   | 2- 9-53<br>1-21-54   | 9-8*<br>10-7  | 242<br>108   | 6882<br>5404            | 232<br>189 | 3.4<br>3.5 | 7419<br>Incomplete Lactation  | 250        | 6751          | Still milking   |
| 33 "     | BT71192<br>" | 12- 4-52<br>11-14-53 | 5-5*<br>6-4   | 279<br>178   | 10633<br>7577           | 388<br>290 | 3.7<br>3.8 | 10707<br>Incomplete Lactation | 391        | 10225         | Still milking   |
| 34 "     | T515330<br>" | 2- 6-53<br>2-18-54   | 8-7*<br>9-7   | 315<br>80    | 9601<br>3498            | 321<br>133 | 3.3<br>3.8 | 9975<br>Incomplete Lactation  | 334        | 8928          | Still milking   |

# PRODUCTION RECORDS OF HERD #20

| HERD NO. | EAR TAG NO. | DATE CALVED         | AGE YR.NO.   | DAYS IN MILK | RECORD-305 DAYS OR LESS |            |            | A. H. E.***                   |       | 4 1/2 F. C. MILK*** | REMARKS                     |
|----------|-------------|---------------------|--------------|--------------|-------------------------|------------|------------|-------------------------------|-------|---------------------|-----------------------------|
|          |             |                     |              |              | # MILK                  | % B.F.     | # FAT      | # MILK                        | # FAT |                     |                             |
| 37 "     | Z595534     | 10-8-52<br>10-13-53 | 3-3*<br>4-3  | 304<br>208   | 9201<br>8181            | 3.7<br>3.8 | 341<br>312 | 10738<br>Incomplete lactation | 398   | 10255               | Still milking               |
| 43 "     | B256099     | 4-28-53<br>4-14-54  | 6-0*<br>6-11 | 256<br>25    | 4630<br>1243            | 4.1<br>3.6 | 188<br>45  | 4630<br>Incomplete lactation  | 188   | 4699                | Still milking               |
| 44 "     | K500156     | 5-11-53<br>4-17-54  | 2-10*<br>3-9 | 308<br>28    | 9532<br>1560            | 3.4<br>3.3 | 326<br>51  | 11696<br>Incomplete lactation | 400   | 10643               | Still milking               |
| 46       | K500287     | 5-7-53              | 2-2*         | 281          | 4599                    | 3.8        | 176        | 6176                          | 236   | 5991                | Did not freshen             |
| 47       | K500200     | 6-16-53             | 2-4*         | 305          | 7862                    | 3.7        | 289        | 10291                         | 378   | 9828                | Did not freshen             |
| 49       | K500155     | 6-21-53             | 2-4*         | 297          | 7959                    | 3.9        | 310        | 10418                         | 406   | 10262               | Did not freshen             |
| 3        | K447959     | 8-30-53             | 8-5*         | 240          | 5159                    | 4.0        | 207        | Incomplete lactation          |       |                     | Still milking               |
| 8        | T376219     | 6-8-53              | 9-2*         | 245          | 9255                    | 2.9        | 264        | Incomplete lactation          |       |                     | Sold 2/54                   |
| 11       | Z595235     | 11-24-52            | 8-2*         |              |                         |            |            |                               |       |                     | Died after calving 11/24-52 |
| 16       | Z589268     | 12-18-52            | 8-3*         | 234          | 5754                    | 3.5        | 200        | No record                     |       |                     | Sold 8/5/53. Low Prod.      |
| 17       | Z595236     |                     |              |              |                         |            |            |                               |       |                     | Sold 12/3/52. Low Prod.     |
| 18       | T51506      | 9-13-53             | 11-6*        | 227          | 7953                    | 3.8        | 299        | Incomplete lactation          |       |                     | Still milking               |
| 32       | K490549     | 8-29-53             | 4-0*         | 153          | 3400                    | 4.0        | 138        |                               |       |                     | Sold 2/54. Low Prod.        |
| 40       | K490547     | 9-22-52             | 2-2*         | 108          | 3275                    | 4.1        | 134        |                               |       |                     | Sold 1/21/53. Low Prod.     |

PRODUCTION RECORDS OF HERD #20

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS |        |       | A. M. E. ** |           | L% F.C. MILK*** | REMARKS                      |
|----------|-------------|-------------|-------------|--------------|-------------------------|--------|-------|-------------|-----------|-----------------|------------------------------|
|          |             |             |             |              | # MILK                  | % B.F. | # FAT | # MILK      | # FAT     |                 |                              |
| 6A       | 4A639       | 10- 4-52    | 1-8*        | 62           | 1194                    | 3.2    | 38    |             |           |                 | Sold 1/21/53 Infected kidney |
| 45       | K447962     | 7- 4-52     | 6-10*       |              |                         |        |       | No record   |           |                 | Sold 12/3/52. Low prod.      |
|          | B256100     | 4-12-54     | 6-9*        |              |                         |        |       | No record   |           |                 | Purchased 5/30/53            |
| 48       | K500197     | 6-25-53     | 2-0*        | 76           | 2086                    | 4.1    | 86    | Incomplete  | Lactation |                 | No record                    |

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS # MILK % B.F. | A.M.L. # MILK # FAT | % F.C. MILK          | REMARKS                     |
|----------|-------------|-------------|-------------|--------------|---------------------------------------|---------------------|----------------------|-----------------------------|
| 2        | 5C8528      | 10-7-51     | 5-0*        | 283          | 10683                                 | 423                 | 10865                | 10865                       |
| "        | "           | 9-22-52     | 5-11        | 294          | 10847                                 | 442                 | 10847                | 11010                       |
| "        | "           | 8-20-53     | 6-10        | 101          | 3776                                  | 183                 | Incomplete Lactation | Sold. Low Prod. Non Breeder |
| 10       | Z589292     | 12-11-51    | 3-6*        | 298          | 13195                                 | 475                 | 14924                | 14029                       |
| "        | "           | 3-22-53     | 4-9         | 340          | 13811                                 | 524                 | 15247                | 14790                       |
| "        | "           | 5-12-54     | 5-11        | 56           | 3728                                  | 156                 | Incomplete Lactation | Still milking               |
| 11       | Z589158     | 5-22-51     | 3-8         | 375          | 13427                                 | 439                 | 14944                | 13375                       |
| "        | "           | 8-25-52     | 4-11        | 347          | 14312                                 | 485                 | 14598                | 13284                       |
| "        | "           | 9-18-53     | 5-11        | 292          | 13333                                 | 419                 | Incomplete Lactation | Still milking               |
| 12A      | C979002     | 8-2-51      | 2-4*        | 306          | 8751                                  | 336                 | 11455                | 11102                       |
| "        | "           | 8-26-52     | 3-4         | 291          | 11174                                 | 406                 | 12906                | 12132                       |
| "        | "           | 8-12-53     | 4-4         | 299          | 8636                                  | 279                 | 9059                 | 7972                        |
| 13       | C9746       | 4-11-51     | 10-6*       | 415          | 12080                                 | 427                 | 13457                | 12448                       |
| "        | "           | 7-30-52     | 11-9        | 373          | 9807                                  | 320                 | 11543                | 10331                       |
| 14       | 92B9856     | 9-16-51     | 6-6*        | 525          | 113287                                | 573                 | 13287                | 13885                       |
| "        | "           | 5-19-53     | 8-2         | 400          | 16735                                 | 561                 | 17137                | 15595                       |
| 16       | 92D9842     | 12-16-50    | 4-11        | 514          | 17561                                 | 564                 | 17912                | 15763                       |
| "        | "           | 7-4-52      | 6-7         | 291          | 15709                                 | 536                 | 15725                | 14310                       |
| "        | "           | 6-12-53     | 7-6         | 360          | 14681                                 | 478                 | 14857                | 13297                       |
| 17       | 92D9886     | 8-2-51      | 4-4*        | 321          | 7911                                  | 306                 | 8299                 | 8175                        |
| "        | "           | 9-20-52     | 5-5         | 296          | 8554                                  | 325                 | 8614                 | 8356                        |
| "        | "           | 9-5-53      | 6-5         | 279          | 8092                                  | 279                 | 8092                 | 7364                        |

\* Age Estimated  
 \*\* Average Mature Equivalent  
 \*\*\* 1/2 Fat Corrected Milk

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED                   | AGE YR. MO.          | DAYS IN MILK      | RECORD-305 DAYS OR LESS |                   |                   | A. H. V. S.                            |                   |                         | L3 F.C. | REMARKS               |
|----------|-------------|-------------------------------|----------------------|-------------------|-------------------------|-------------------|-------------------|----------------------------------------|-------------------|-------------------------|---------|-----------------------|
|          |             |                               |                      |                   | # MILK                  | 3 B.F.            | # FAT             | # MILK                                 | # FAT             | # MILK                  |         |                       |
| 18 "     | BL76395 "   | 10-30-51<br>1-7-53            | 3-7*<br>4-9          | 404<br>365        | 10770<br>8991           | 3.8<br>3.6        | 414<br>328        | 12084<br>9225                          | 465<br>337        | 11721<br>8672           |         | Dry. Did not freshen. |
| 19 " "   | BL79819 " " | 2-7-51<br>4-19-52<br>4-5-53   | 12-3<br>13-6<br>14-5 | 390<br>278<br>397 | 15826<br>12981<br>11925 | 3.7<br>3.7<br>3.7 | 591<br>478<br>440 | 19102<br>16668<br>15783                | 713<br>614<br>582 | 18242<br>15918<br>15073 |         | Dry. Did not freshen. |
| 20 " "   | 64 " "      | 11-5-51<br>12-1-52<br>3-18-54 | 4-0*<br>5-2<br>6-5   | 337<br>341<br>96  | 14042<br>13078<br>5736  | 3.9<br>3.8<br>3.6 | 530<br>477<br>207 | 15985<br>13248<br>Incomplete Lactation | 625<br>503        | 15745<br>12851          |         | Still MILKING         |
| 23 " "   | Z589295 " " | 8-2-51<br>7-14-52<br>1-27-54  | 4-3*<br>5-2<br>6-8   | 311<br>501<br>161 | 10033<br>11722<br>8023  | 4.2<br>4.2<br>4.0 | 425<br>436<br>318 | 10595<br>11874<br>Incomplete Lactation | 449<br>492        | 10913<br>12302          |         | Still MILKING         |
| 25A " "  | Z589290 " " | 9-3-51<br>8-23-52<br>11-5-53  | 2-0*<br>3-0<br>4-2   | 308<br>380<br>245 | 12332<br>13854<br>12833 | 3.6<br>3.7<br>3.5 | 444<br>513<br>143 | 16981<br>16666<br>Incomplete Lactation | 611<br>617        | 15962<br>15916          |         | Still MILKING         |
| 26 " "   | 605280 " "  | 5-16-51<br>6-16-52<br>8-27-53 | 5-8<br>6-9<br>8-1    | 327<br>392<br>315 | 16109<br>14954<br>12210 | 3.6<br>3.4<br>3.5 | 586<br>509<br>128 | 16173<br>14999<br>12466                | 588<br>511<br>437 | 15203<br>13649<br>11531 |         | Still MILKING         |
| 31 " "   | 90 " "      | 2-22-51<br>2-5-52<br>9-13-53  | 3-11*<br>4-11<br>6-3 | 273<br>457<br>288 | 5757<br>14133<br>12164  | 3.9<br>3.8<br>3.8 | 125<br>130<br>151 | 6252<br>14416<br>Incomplete Lactation  | 244<br>541        | 6158<br>13904           |         | Aborted. No increase. |
| 33A " "  | Z589391 " " | 8-14-51<br>7-29-52<br>7-10-53 | 2-0*<br>3-0<br>3-11  | 304<br>313<br>314 | 8746<br>9906<br>10612   | 4.2<br>4.1<br>3.4 | 367<br>103<br>59  | 12043<br>11917<br>11525                | 505<br>485<br>390 | 12104<br>12096<br>10488 |         | Dry. Did not freshen. |

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.NO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK % B.F. # FAT | A. H. E. **<br># MILK # FAT | 1st F.C.<br># MILK | REMARKS               |
|----------|-------------|-------------|------------|--------------|------------------------------------------------|-----------------------------|--------------------|-----------------------|
| 34       | 65          | 8-11-51     | 4-4        | 281          | 13735 3.9 533                                  | 14408 559                   | 14192              | Still milking         |
| "        | "           | 7-11-52     | 5-3        | 331          | 14211 3.5 503                                  | 14367 509                   | 13289              |                       |
| "        | "           | 7-21-53     | 6-4        | 351          | 13811 3.4 466                                  | 13811 466                   | 12568              |                       |
| 35       | 1502        | 2- 3-51     | 5-5        | 375          | 10126 4.1 418                                  | 10197 378                   | 10350              | Aborted. No increase. |
| "        | "           | 4- 3-52     | 6-7        | 310          | 11059 4.0 444                                  | 11070 444                   | 11070              |                       |
| "        | "           | 2-19-53     | 7-6        | 261          | 18467 3.9 722                                  | 18689 731                   | 18409              |                       |
| 36       | TH43997     | 5-17-51     | 7-7*       | 319          | 10378 4.0 410                                  | 10523 416                   | 10523              | Sold.                 |
| "        | "           | 5-17-52     | 8-7        | 294          | 10276 3.8 391                                  | 10677 406                   | 10357              |                       |
| "        | "           | 4-21-53     | 9-6        | 260          | 9129 3.9 353                                   | Incomplete lactation        |                    |                       |
| 37       | 5B2038      | 8-17-51     | 5-11       | 333          | 17803 3.2 564                                  | 17821 565                   | 15415              | No record             |
| "        | "           | 8-31-52     | 6-11       | 280          | 14896 2.9 432                                  | 14970 434                   | 12500              |                       |
| "        | "           | 7- 2-53     | 7-10       | 279          | 15561 3.0 467                                  | 15810 474                   | 13439              |                       |
| 39A      | B129466     | 6- 7-51     | 5-2*       | 245          | 8613 2.9 247                                   | 8725 250                    | 7285               | Still milking         |
| "        | "           | 3- 8-52     | 5-11       | 355          | 20079 2.7 544                                  | 20099 545                   | 16108              |                       |
| "        | "           | 4- 8-53     | 7-0        | 305          | 18518 2.9 540                                  | 18648 544                   | 15571              |                       |
| 40A      | B129476     | 3-26-54     | 7-11       | 103          | 10457 2.7 286                                  | Incomplete lactation        |                    | Dry. Did not freshen. |
| "        | "           | 7- 1-51     | 4-8*       | 320          | 9331 3.4 321                                   | 9602 330                    | 8738               |                       |
| "        | "           | 7- 4-52     | 5-8        | 338          | 13185 3.5 463                                  | 13238 465                   | 12245              |                       |
| 44       | Z589160     | 8- 3-53     | 6-9        | 299          | 11890 3.1 370                                  | 11926 371                   | 10316              | Dry. Did not freshen. |
| "        | "           | 5-16-51     | 3-8        | 318          | 12135 2.9 351                                  | 13506 391                   | 11278              |                       |
| "        | "           | 6-13-52     | 4-9        | 284          | 11754 3.5 415                                  | 12060 426                   | 11156              |                       |
| "        | "           | 7-9-53      | 5-10       | 302          | 10390 3.3 342                                  | 10411 343                   | 9318               |                       |

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK | % B.F. | # FAT | A. L. E. **<br># MILK | # FAT | 4% F.C.<br>MILK | REMARKS              |
|----------|-------------|-------------|------------|--------------|-----------------------------------|--------|-------|-----------------------|-------|-----------------|----------------------|
| 46       | 2589159     | 8-10-51     | 4-0*       | 308          | 10698                             | 4.0    | 424   | 11522                 | 457   | 11522           | Still milking        |
| "        | "           | 7-22-52     | 5-0        | 381          | 10265                             | 3.7    | 384   | 10440                 | 391   | 9970            |                      |
| "        | "           | 11-10-53    | 6-4        | 238          | 12108                             | 3.5    | 424   | Incomplete Lactation  |       |                 |                      |
| 47       | 912         | 10-28-51    | 3-0*       | 319          | 11113                             | 3.9    | 433   | 13369                 | 521   | 13168           |                      |
| "        | "           | 10-31-52    | 4-1        | 311          | 9058                              | 3.7    | 332   | 9692                  | 355   | 9256            | Sold                 |
| 48       | 96          | 8-8-51      | 4-2        | 309          | 14756                             | 3.6    | 531   | 15686                 | 564   | 14745           |                      |
| "        | "           | 9-3-52      | 5-3        | 399          | 13424                             | 3.8    | 514   | 13572                 | 520   | 13165           |                      |
| "        | "           | 12-15-53    | 6-6        | 205          | 11509                             | 3.3    | 379   | Incomplete Lactation  |       |                 | Still milking        |
| 50       | K490635     | 9-27-51     | 4-1*       | 385          | 14788                             | 4.0    | 588   | 15823                 | 629   | 15823           |                      |
| "        | "           | 11-20-52    | 5-3        | 413          | 14174                             | 4.3    | 605   | 14330                 | 612   | 14975           |                      |
| "        | "           | 1-31-54     | 6-5        | 156          | 8771                              | 3.6    | 314   | Incomplete Lactation  |       |                 | Still milking        |
| 53       | T561913     | 12-15-50    | 5-0*       | 404          | 13622                             | 3.7    | 501   | 13854                 | 510   | 13231           |                      |
| "        | "           | 2-26-52     | 6-2        | 341          | 15789                             | 3.4    | 535   | 15789                 | 535   | 14368           |                      |
| "        | "           | 4-3-53      | 7-3        | 430          | 12451                             | 3.5    | 433   | 12501                 | 435   | 11563           | Sold 6/54. Low Prod. |
| 54       | 2589289     | 11-11-51    | 3-7        | 311          | 11661                             | 3.8    | 437   | 13084                 | 490   | 12691           |                      |
| "        | "           | 10-26-52    | 4-7        | 346          | 11560                             | 3.5    | 399   | 11930                 | 412   | 11035           |                      |
| "        | "           | 12-27-53    | 5-9        | 193          | 10263                             | 3.3    | 334   | Incomplete Lactation  |       |                 | Still milking        |
| 56       | B93059      | 12-16-50    | 5-2*       | 295          | 15019                             | 3.6    | 544   | 15214                 | 551   | 14301           |                      |
| "        | "           | 11-26-51    | 6-1        | 414          | 13773                             | 4.0    | 546   | 13773                 | 546   | 13773           |                      |
| "        | "           | 3-2-53      | 7-4        | 311          | 14217                             | 3.7    | 521   | 14359                 | 526   | 13713           |                      |
| "        | "           | 2-13-54     | 8-3        | 114          | 6496                              | 3.6    | 235   | Incomplete Lactation  |       |                 | Still milking        |
| 58       | 910         | 10-27-51    | 3-0*       | 343          | 7995                              | 3.6    | 284   | 9618                  | 342   | 8752            |                      |
| "        | "           | 11-2-52     | 4-0        | 339          | 9545                              | 3.4    | 322   | 10280                 | 347   | 9355            |                      |
| "        | "           | 12-24-53    | 5-1        | 196          | 9856                              | 3.2    | 311   | Incomplete Lactation  |       |                 | Still milking        |

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO. | DAYS IN MILK | RECORD-305 DAYS OR LESS<br># MILK | % B.F. | # FAT | A.M. E.**<br># MILK | 153 F.C.<br># FAT | REMARKS                       |
|----------|-------------|-------------|------------|--------------|-----------------------------------|--------|-------|---------------------|-------------------|-------------------------------|
| 60       | 508232      | 5-9-51      | 3-11*      | 345          | 10034                             | 3.4    | 340   | 10897               | 369               | 9916                          |
| "        | "           | 7-27-52     | 5-1        | 345          | 13877                             | 3.7    | 508   | 11085               | 516               | 13451                         |
| "        | "           | 10-1-53     | 6-3        | 280          | 12293                             | 3.4    | 415   | Incomplete          | Lactation         | Still milking                 |
| 8        | C981135     | 6-21-51     | 4-0        | 327          | 11701                             | 3.4    | 400   | 12602               | 431               | 11468                         |
| "        | "           | 7-13-52     | 5-1        | 359          | 11074                             | 3.9    | 542   | 11285               | 550               | 11071                         |
| 41       | 92B9826     | 9-11-51     | 2-1        | 293          | 9110                              | 3.8    | 350   | 12390               | 476               | 12018                         |
| "        | "           | 8-13-52     | 3-0        | 237          | 9384                              | 3.5    | 329   | Incomplete          | Lactation         | Sold 7/53 - Dairy use.        |
| 42       | Z589243     | 11-28-51    | 3-3*       | 314          | 11526                             | 4.0    | 463   | 13451               | 540               | 13451                         |
| "        | "           | 12-4-52     | 4-3        | 154          | 5703                              | 4.0    | 226   | Incomplete          | Lactation         | Sold 5/53. Infected foot.     |
| 7        | Z589390     | 10-18-51    | 2-5        | 298          | 8129                              | 4.0    | 321   | 10503               | 415               | 10503                         |
| "        | "           | 10-9-52     | 3-5        | 210          | 5792                              | 3.6    | 206   | Incomplete          | Lactation         | Sold 5/53. Low Production.    |
| 5        | 605279      | 6-5-51      | 4-2*       | 462          | 11614                             | 3.4    | 394   | 12346               | 419               | 11235                         |
| "        | "           | 10-23-52    | 5-4        | 107          | 2024                              | 3.6    | 73    | Incomplete          | Lactation         | Sold 3/53. Non Breeder.       |
| 27       | 48-4261     | 5-30-51     | 3-0*       | 312          | 11726                             | 2.9    | 340   | 11106               | 409               | 11779                         |
| "        | "           | 5-23-52     | 4-0        | 229          | 11537                             | 2.9    | 339   | Incomplete          | Lactation         | Sold 1/53.                    |
| 1        | T524145     | 10-1-51     | 9-0*       | 372          | 9230                              | 4.7    | 435   | 9728                | 458               | 10749                         |
| 55       | B93054      | 10-15-51    | 5-2*       | 327          | 9492                              | 3.5    | 328   | 9615                | 332               | 8894                          |
| 28       | B3          | 6-13-51     | 7-3        | 452          | 15234                             | 3.4    | 516   | 15371               | 521               | 13988                         |
| 3        | K490637     | 7-24-51     | 4-2*       | 313          | 12371                             | 3.1    | 380   | 13150               | 404               | 11375                         |
| "        | "           | 8-15-52     | 5-2        | 23           | 1477                              | 4.0    | 59    | Incomplete          | Lactation         | Sold 9/52. Sick. Non Breeder. |
|          |             |             |            |              |                                   |        |       |                     |                   | Sold 9/52. Infected Udder.    |

# PRODUCTION RECORDS OF HERD #33

| HTRD NO. | EAR TAG NO. | DATE CALVED                   | AGE YR.MO.         | DAYS IN MILK     | RECORD-305 DAYS OR LESS |                   |                   | A. L. E.**                             |                                    | L3 F.C. MILK** | REMARKS                       |
|----------|-------------|-------------------------------|--------------------|------------------|-------------------------|-------------------|-------------------|----------------------------------------|------------------------------------|----------------|-------------------------------|
|          |             |                               |                    |                  | # MILK                  | % B.F.            | # FAT             | # MILK                                 | # FAT                              |                |                               |
| 19 "     | Z589155 "   | 1- 7-51<br>12-31-51           | 3-1<br>4-0         | 304<br>220       | 9270<br>10258           | 3.3<br>3.3        | 307<br>335        | 11041<br>11048                         | 366<br>361                         | 8297<br>9888   | Sold 8/12/52. Abscessed Liver |
| 14 "     | K190483 "   | 4-24-52<br>4- 1-53            | 2-0*<br>3-0        | 317<br>189       | 9692<br>5876            | 3.3<br>3.5        | 316<br>208        | 13346<br>Incomplete Lactation          | 435<br>Incomplete Lactation        | 11945          | Sold 9/53. Non Breeder        |
| 9 "      | 92B9749 "   | 6-28-52<br>10- 7-53           | 2-6<br>3-9         | 405<br>273       | 10821<br>10783          | 3.4<br>3.5        | 368<br>375        | 13797<br>Incomplete Lactation          | 469<br>Incomplete Lactation        | 12555          | Still MILKING                 |
| 15 "     | 48-337 "    | 8-25-52<br>1-20-54            | 5-2*<br>6-6        | 408<br>168       | 14489<br>9437           | 3.7<br>3.6        | 536<br>336        | 14677<br>Incomplete Lactation          | 543<br>Incomplete Lactation        | 14017          | Still MILKING                 |
| 22 "     | 0981170 "   | 1-13-52<br>5- 3-53            | 4-2*<br>5-7        | 419<br>430       | 14120<br>15040          | 3.7<br>3.7        | 526<br>560        | 15010<br>15115                         | 559<br>563                         | 14335<br>14435 | Still MILKING                 |
| 24A "    | BM61345 "   | 3-12-52<br>1-27-53            | 6-2*<br>6-11       | 250<br>253       | 12019<br>10680          | 3.3<br>3.4        | 400<br>365        | 12019<br>Incomplete Lactation          | 400<br>Incomplete Lactation        | 10757          | Sold                          |
| 29 "     | B159667 "   | 3-25-52<br>6-15-53<br>5-15-54 | 6-4<br>7-7<br>8-6  | 390<br>296<br>53 | 16396<br>13883<br>4053  | 3.4<br>3.5<br>3.2 | 555<br>482<br>129 | 16396<br>14063<br>Incomplete Lactation | 555<br>488<br>Incomplete Lactation | 14674<br>13008 | Still MILKING                 |
| 30 "     | 1803591 "   | 7-26-52<br>7- 2-53<br>6-17-54 | 2-8*<br>3-9<br>4-8 | 291<br>309<br>20 | 10084<br>10392<br>954   | 3.8<br>3.5<br>4.0 | 386<br>368<br>38  | 12615<br>11473<br>Incomplete Lactation | 483<br>406<br>Incomplete Lactation | 12237<br>10613 | Still MILKING                 |
| 45A "    | B587770 "   | 5- 6-52<br>6- 8-53            | 4-8*<br>3-9        | 322<br>152       | 11359<br>5773           | 4.1<br>3.3        | 462<br>192        | 11688<br>Incomplete Lactation          | 475<br>Incomplete Lactation        | 11863          | Sold                          |
| 51 "     | B93053 "    | 1-26-52<br>3- 1-53            | 5-2*<br>6-3        | 347<br>220       | 15736                   | 3.5               | 551               | 15941<br>Incomplete Lactation          | 558<br>Incomplete Lactation        | 11745          | Sold. Non Breeder             |

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.NO. | DAYS IN MILK | RECORD-305 DAYS OR LESS | A. M. E. ** | 1/2 F.C.             | REMARKS                       |
|----------|-------------|-------------|------------|--------------|-------------------------|-------------|----------------------|-------------------------------|
|          |             |             |            | # MILK       | % B.F.                  | # MILK      | # FAT                |                               |
| 52       | B587768     | 4-26-52     | 4-5*       | 279          | 3.6                     | 12009       | 12513                | 11762                         |
| "        | "           | 3-14-53     | 5-3        | 358          | 3.8                     | 9750        | 9857                 | 9561                          |
| "        | "           | 5-25-54     | 6-5        | 43           | 3.9                     | 2004        | Incomplete Lactation | Still MILKING                 |
| 62       | 92B9750     | 7-20-52     | 2-5        | 414          | 3.5                     | 13028       | 16832                | 15570                         |
| "        | "           | 10- 5-53    | 3-8        | 274          | 3.5                     | 11279       | Incomplete Lactation | Still MILKING                 |
| 63       | 2106        | 8- 1-52     | 2-3*       | 340          | 3.7                     | 9469        | 12556                | 11991                         |
| "        | "           | 7-11-53     | 3-2        | 358          | 3.4                     | 8052        | 9493                 | 8639                          |
| 21       | T545293     | 2-18-52     | 7-4*       | 354          | 3.5                     | 11796       | 11974                | 11020                         |
| "        | "           | 4- 5-53     | 8-5        | 32           | 3.5                     | 1776        | 62                   |                               |
| 43       | Z589294     | 4- 5-52     | 3-3*       | 246          | 3.2                     | 8688        | 10139                | 8922                          |
| 6        | 92B9192     | 4-24-52     | 2-0        | 289          | 3.2                     | 8200        | 11291                | 9936                          |
| 57       | 808456      | 12-31-51    | 4-3        | 281          | 3.4                     | 9727        | 10272                | 9348                          |
| 38       | A98130      | 4-25-52     | 7-4*       | 164          | 2.9                     | 8639        | Incomplete Lactation | Sold 1/21/53. Wire            |
| 61       | 92B9741     | 12-10-51    | 2-4        | 302          | 4.4                     | 7583        | Incomplete Lactation | Sold 10/52. Low prod. Non-Br. |
| 32       | (Lost)      | 1-28-52     | 2-7        | 253          | 4.0                     | 10384       | Incomplete Lactation | Sold 10/52. Non-Breeder       |
| 1A       | 92B9733     | 11-17-52    | 2-2        | 294          | 3.3                     | 10802       | 14507                | 12984                         |
| "        | "           | 10-13-53    | 3-1        | 267          | 3.5                     | 12623       | Incomplete Lactation | Still MILKING                 |
| 3A       | 2429        | 11- 5-52    | 2-9*       | 488          | 3.3                     | 11839       | 14669                | 13129                         |
|          |             |             |            |              |                         |             | 486                  | Dry. Did not freshen.         |

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR.MO.         | DAYS IN MILK | RECORD-305 DAYS OR LESS |        |       | A.M.E.**<br># MILK   | L% F.C.<br>MILK*** | REMARKS               |
|----------|-------------|-------------|--------------------|--------------|-------------------------|--------|-------|----------------------|--------------------|-----------------------|
|          |             |             |                    |              | # MILK                  | % D.F. | # FAT |                      |                    |                       |
| 5A       | 92F0356     | 2- 7-53     | 2-10*              | 515          | 10438                   | 3.7    | 391   | 12807                | 480                | Still milking         |
| 28       | 92B9916     | 11-10-52    | 2-1*               | 330          | 8858                    | 4.1    | 367   | 12047                | 499                | Still milking         |
| "        | "           | 12- 2-53    | 3-0                | 218          | 7510                    | 3.6    | 271   | Incomplete lactation |                    |                       |
| 32       | 92B9746     | 11-21-52    | 2-9                | 320          | 9038                    | 3.8    | 345   | 11198                | 427                | Still milking         |
| "        | "           | 11-26-53    | 3-9                | 223          | 8663                    | 3.2    | 281   | Incomplete lactation |                    |                       |
| 49A      | 92B9743     | 12-24-52    | 2-11               | 458          | 10690                   | 3.6    | 382   | 12988                | 464                | Dry. Did not freshen. |
| 57A      | 92B9747     | 2- 1-53     | 3-0                | 340          | 12044                   | 3.5    | 418   | 11489                | 503                | Still milking         |
| "        | "           | 2-20-54     | 4-1                | 137          | 7604                    | 3.2    | 244   | Incomplete lactation |                    |                       |
| 59       | 5C8945      | 12-16-52    | 5-9                | 316          | 11858                   | 3.1    | 366   | 11894                | 367                | Still milking         |
| "        | "           | 1-25-54     | 6-10               | 163          | 8815                    | 3.3    | 288   | Incomplete lactation |                    |                       |
| 7A       | 92B9827     | 6-24-53     | 2-5                | 350          | 11417                   | 3.9    | 441   | 14751                | 570                | Dry. Did not freshen. |
| 6A       | 980046      | 3-19-53     | 3-0*               | 325          | 8741                    | 4.3    | 315   | 10515                | 451                | Still milking         |
| "        | "           | 3-27-54     | 4-0                | 102          | 5288                    | 4.2    | 222   | Incomplete lactation |                    |                       |
| 21A      | 92B9740     | 6-26- 53    | 2-0*               | 376          | 9486                    | 3.4    | 318   | 13062                | 438                | Still milking         |
| 27A      | 92B9737     | 7- 3-53     | 2-3*               | 369          | 13222                   | 3.2    | 427   | 17532                | 566                | Still milking         |
| 38A      | 980045      | 5- 2-53     | 2-1*               | 401          | 12090                   | 3.5    | 429   | 16442                | 583                | Dry. Did not freshen. |
| 41A      | 92B9735     | 7- 5-53     | 3-5                | 319          | 10828                   | 3.6    | 388   | 12376                | 443                | Dry. Did not freshen. |
| 42A      | 92B9828     | 7- 6-53     | 2-5                | 336          | 8216                    | 3.4    | 276   | 10615                | 357                | Dry. Did not freshen. |
| 47       | 92B9843     | 8- 8-53     | 1st calf<br>Heifer | 300          | 8037                    | 3.5    | 284   |                      |                    | Dry. Did not freshen. |

# PRODUCTION RECORDS OF HERD #33

| HERD NO. | EAR TAG NO. | DATE CALVED | AGE YR. | DAYS IN MILK | RECORD-305 DAYS OR LESS # MILK | % B.F. | # FAT | A. L. E. # MILK      | % FAT | 1/2 F.C. MILK*** | REMARKS               |
|----------|-------------|-------------|---------|--------------|--------------------------------|--------|-------|----------------------|-------|------------------|-----------------------|
| 434      | 92B97144    | 4-5-53      | 2-9     | 458          | 13404                          | 3.3    | 437   | 16608                | 541   | 14864            | Still milking         |
| 7        | 92B9827     | 6-24-53     | 2-5     | 350          | 11384                          | 3.9    | 440   | 11452                | 443   | 11280            | Dry. Did not freshen. |
| 55       |             | 8-7-53      |         | 308          | 10573                          | 3.6    | 385   |                      |       |                  | Dry. Did not freshen. |
| 61       | 92B9738     | 9-19-53     |         | 292          | 7172                           | 3.9    | 277   | Incomplete Lactation |       |                  | Still milking         |
| 64       | 92B9832     | 9-20-53     |         | 291          | 9749                           | 3.2    | 314   | Incomplete Lactation |       |                  | Still milking         |
| 65       | 92B9799     | 10-1-53     |         | 279          | 8707                           | 3.4    | 294   | Incomplete Lactation |       |                  | Still milking         |
| 66       | 92B9833     | 10-16-53    |         | 264          | 7394                           | 4.0    | 295   | Incomplete Lactation |       |                  | Still milking         |
| 4A       | 92B9814     | 10-1-53     |         | 280          | 5771                           | 4.5    | 259   | Incomplete Lactation |       |                  | Still milking         |
| 8A       | 92B9831     | 11-20-53    |         | 229          | 7988                           | 3.0    | 236   | Incomplete Lactation |       |                  | Still milking         |
| 24       | 92F0362     | 11-5-53     |         | 244          | 5968                           | 3.6    | 217   | Incomplete Lactation |       |                  | Still milking         |
| 51       |             | 10-24-53    |         | 257          | 9228                           | 3.1    | 287   | Incomplete Lactation |       |                  | Still milking         |