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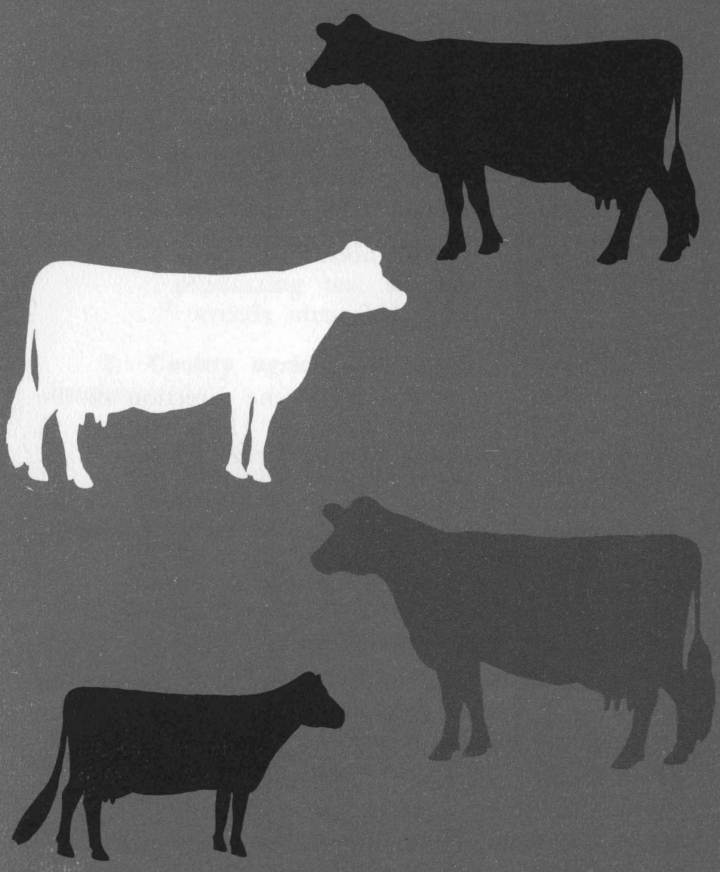
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TEXAS JUNIOR

DAIRY PRODUCTION

J.W. Davis

AWARDS PROGRAM



TEXAS A&M UNIVERSITY
TEXAS AGRICULTURAL EXTENSION SERVICE
J. E. Hutchison, Director, College Station, Texas

TEXAS JUNIOR DAIRY PRODUCTION AWARDS PROGRAM

THE TEXAS JUNIOR DAIRY PRODUCTION AWARDS PROGRAM offers a challenging and rewarding experience for Texas dairy youth. This program is sponsored by the following state purebred dairy cattle associations in cooperation with the Texas Agricultural Extension Service.

- *Texas Brown Swiss Association*
- *Texas Guernsey Breeders Association*
- *Holstein-Friesian Association of Texas*
- *Texas Jersey Cattle Club*

The purpose of the Texas Junior Dairy Production Awards Program is to teach the importance of production testing—a fundamental of good dairy husbandry—and to add strength to dairy project achievement records. A maximum of \$300 is awarded by each of the above state dairy breed organizations to owners of purebred animals representing their respective breed.*

GENERAL RULES

1. The program is under the direction of the Extension dairy specialist, Room 110C, Herman F. Heep building, College Station, Texas 77843.
2. Any bona fide 4-H or FFA member who is the owner of a registered Brown Swiss, Guernsey, Holstein or Jersey is eligible to participate.
3. Animals must be owned and registered in the name of the boy or girl at the time of freshening.
4. Each animal must be enrolled properly in the state Extension dairy office within 60 days after calving. Enrollment is made by form D-427, available through your local county Extension office, or state Extension dairy office.
5. A youngster may enroll as many animals as desired; however, only the top producing entry will be eligible for an award in a given contest year.
6. Each contest year begins September 1 and ends August 31. All 305-day records completed with-

*In case of Brown Swiss, the maximum total for awards will not exceed \$150.

in these dates are considered for the contest year concerned.

7. DHIA and DHIR records are acceptable. Also if the herd is not on DHIA test, Junior Dairy Production (JDP) records will be acceptable when obtained in accordance with the requirements of this program.

8. Records are limited to 305 consecutive days and begin the fourth day after calving, counting the day of calving as the first day. Lactation periods of less than 260 days are not considered.

9. All DHIA and DHIR records are reported by the appropriate DHIA supervisor at the end of 305 days. JDP records are reported by county Extension agent or vocational-agriculture teacher following each monthly test.

10. Award winners are determined by the pounds butterfat produced on a twice a day milking mature equivalent (2xME) basis.

11. To be eligible for an award, an animal must produce at least 375 pounds butterfat—2xME. This is approximately 1 pound of butterfat per day (actual production) for Junior 2-year-olds.

12. Each breed association contributes \$30 for each junior submitting an acceptable record. However, the total awards for each breed are not to exceed the maximum of \$300. (\$150 for Brown Swiss.)

JUNIOR DAIRY PRODUCTION RECORDS

Junior Dairy Production (JDP) records may be used by 4-H and FFA members when the herd is not on DHIA test. This type of record must be obtained from regular monthly test conducted in the following manner:

1. **Monthly test.** A 24-hour test covering two consecutive milkings shall be made on each animal between the tenth and twentieth (inclusive) of each month. The test must be conducted by a competent person other than the owner of the animal or members of his immediate family. The Junior shall not

be told in advance the exact date his animal is to be tested.

2. **Weighing.** Accurate scales or meters approved for DHIA work should be used in weighing the milk. Read the milk weight at eye level and record to the nearest tenth (0.1) of a pound. In the case of meters report $\frac{1}{4}$ pound reading as .3 and $\frac{3}{4}$ pound reading as .8.

3. **Sampling milk.** When scales are used, the milk should be mixed thoroughly by pouring it from one container to another at least three times. Take the sample immediately after mixing. Approximately $\frac{1}{4}$ cup of milk from each milking is sufficient for a sample. Mix the evening and morning samples into a composite sample. Greater accuracy is obtained by using proportionate quantities from each milking to make the composite sample.

4. **Testing for butterfat.** The percentage of fat is determined by testing the composite sample of the evening and morning milk. Butterfat test should be made by an experienced person at the milk plant or DHIA lab.

5. **Monthly Test Reports.** The Monthly Test Report is mailed to the Extension dairy specialist, Room 110C, Herman F. Heep building, College Station, Texas 77843 by not later than the 25th of each month. Each report must be signed by the person(s) conducting the test and approved by the county agent or vocational agriculture teacher.

6. **Lactation records.** Lactation records are calculated by the state Extension dairy specialist and mailed to the supervising county agent or vocational agriculture teacher. The computation of production credits is based on test day milk weights and butterfat test. When milk weights and butterfat test appear abnormal adjustment of credits are made as follows.

- a. **Milk weights.** When test day milk weights vary more than 25 percent from an average of the preceding and succeeding month, the milk weight will be disregarded and the average will be used to compute the credits for the month.
- b. **Percent butterfat.** When after the first monthly test the percentage of butterfat varies more than 1.5 percent (*i.e.* 3.5 to 5.0) above or

below the average of the preceding month's test, the average of the 2 months will be used.

RESPONSIBILITIES

The success of the Texas Junior Dairy Production Awards Program is dependent upon each individual doing his job promptly and completely. A list of responsibilities of those concerned with the program follows:

1. *The Junior owner.*

- Study and understand all rules and requirements of the Texas Junior Dairy Production Awards Program.
- Fill out entry form D-427 and submit to county agent or vocational agriculture teacher immediately after each animal freshens.
- Provide accurate scales or meters for weighing milk.
- Make registration papers available to person conducting test so that animal can be correctly identified.

2. *County agricultural agent or vocational teacher.*

- Provide information on the program and distribute necessary record forms and material.
- Be sure that each animal is properly enrolled and that entry form D-427 is mailed to Extension dairy specialist, College Station, Texas 77843, within 60 days after animal freshens.
- If herd is not on DHIA, arrange for qualified person(s) to conduct monthly JDP test. Remember this person(s) cannot be a member of the Junior's immediate family. Be sure that such person understands the correct procedure of *weighing milk, taking samples and conducting butterfat test.*
- Approve JDP test reports (DS-5, Monthly Test Reports JDP Record) and mail to Extension dairy specialist not later than the 25th of each calendar month.

3. *Person(s) conducting test (JDP).*

- Conduct monthly test between the 10th and 20th (inclusive) of each month.
- Identify animal being tested by checking tattoo and color markings against registration papers.
- Weigh milk, take samples and conduct butterfat test in accordance with approved procedures.
- Fill out test report (DS-5, Monthly Test Report—JDP Record) and submit to county agent or vocational agriculture teacher immediately after each test is made.

4. *Extension dairy specialist.*

- Give guidance to the program in the state.
- Develop informational material and report forms needed.
- Obtain completed records (305 days or less) from DHIA Supervisor for cows on DHIA and DHIR test.
- Compute 305 Production credits on animals completing JDP records and report these credits to county agents and vocational agriculture teachers concerned.
- Announce results of the Texas Junior Dairy Production Awards Program as soon after the close of each test year as possible.