

KEEPING RECORDS OF DAIRY COWS

(For Use In Giving A Demonstration)

By
Extension Dairy Husbandmen
Texas A. & M. College System

Equipment Needed: Babcock tester, including milk testing bottles, pipette, acid measure, commercial sulphuric acid, dairy thermometer, hot water, blackboard and dairy milk record sheet.

A Talks and Demonstrates
A, the better speaker, leads by giving usual introduction.

B Helps

B joins in giving introduction.

A. talks:

1. Why the keeping of records on dairy cows is essential
2. The purpose of the demonstration
3. Gives the necessary steps in testing milk for butterfat
4. Prepares samples for testing and explains processes by:

B prepares equipment and supplies for the tester.

Bringing milk and acid to temperature 65 to 70 degrees F.

Mixes milk sample by pouring from one bottle or another

Sampling and measuring milk with pipette, transferring into test bottles

B assists A in sampling milk and measuring acid

Measures out acids and adds to milk samples, shaking samples until casein is dissolved and then puts them into machine

A Helps

A turns tester for five minutes

After hot water is added, turns machine two minutes more.

A turns machine one more minute.

A totals milk record sheet.

A talks and demonstrates

Summarizes briefly the points made in the demonstration. Asks for questions.

A stands at attention. Concludes demonstration and thanks audience.

B Talks and Demonstrates

B explains use of the Babcock tester.

Explains the centrifugal process while A is turning, the solids being dissolved by the acid with the exception of fat.

At the end of five minutes adds hot water up to the neck of the bottle.

B explains action of the acid and purpose of adding water.

Adds enough hot water to a little more than half fill neck of bottles.

B prepares a hot water bath (135 degrees F) and puts the samples in it for five minutes.

Explains the milk record sheet for the month after which he asks A to summarize the demonstration.

B helps

B collects equipment

B stands at attention. Answers questions referred to him on his part of the demonstration.

B joins in conclusion of demonstration.

Issued by
The Agricultural Extension Service
The Texas A. & M. College System and
The United States Department of Agriculture
G. G. Gibson, Director, College Station, Texas