

-Curing
 (from page 1)
 also means, Mc-
 that bales must
 than in field cur-
 mit the air to
 gh them
 the barn-curing
 McCurdy added,
 barn doors open.

You are forcing air out through the hay and it must have some way of carrying moisture from the barn. Barn-curing can be expected to cost about \$1 - \$1.25 per ton, McCurdy told Landis. He pointed out that some difference in farm-to-farm costs can be expected

because of need to "seal" mow floors.

"Naturally, the mow floor must be air-tight to prevent the air from escaping without even starting through the hay above and around the duct," he added.

He reminded Landis to be sure and check barn wiring, before installing his fan and motor unit. Use at least No. 6 wire for a five horse-power motor.

Plan on curing each batch of hay from five to seven days. After about five days of curing, day and night, turn the fan off for a half day; Stand on top the hay and have the fan turned back on; then if you feel heat coming from the hay, you have to keep on. When no heat comes out, you're done.

Use of field conditioners to crush hay stems and speed the wilting process to 40 per cent moisture content is a valuable supplement to barn-drying equipment, McCurdy added.

Following their visit to the Landis farm, Smith stated, "By the time you figure land-use, fertilizer and lime costs, mowing, raking and baling expense — plus the hauling labor, hay represents a sizeable investment, even though it is the cheapest and one of the best winter feeds — IF quality is maintained."

"Rain on hay, field-cured to storing condition, can reduce the feed value by one-half. This is expensive, when compared with \$1.25 barn-curing costs. The ability to get a quality crop in the field to the manger as high-quality hay is becoming more important in Lancaster County farming and this system can be a great aid," he said.

The Extension Service has two special circulars on "artificial curing" of hay SC-43 is entitled, "Is Batch Hay Drying with Heated Air for

Penn State Researchers Study Fresh Milk Flavor

Dairy scientists at the Pennsylvania State University are studying the chemical nature of fresh milk flavor.

By identifying the chemical compounds responsible for the "fresh" flavor of milk, they hope to find means of preserving them in concentrated milk products, thus giving the latter the "fresh" taste of regular milk.

At present, it is explained, the concentrated milk products tend to lose some of the compounds that produce the fresh flavor.

To date, ten compounds have been isolated from distilled fresh milk and are being analyzed.

Noble Wong, of Baltimore, Md., a candidate for the doctor of philosophy degree in dairy science and a graduate of the University of Maryland, is working on the project, which is supported by a \$4,000 grant from the Carnation Milk Company.

You" and is written by McCurdy and W. J. Kjelgaard of Penn State.

McCurdy also has written SC-34 entitled, "Improve Your Hay Quality with Barn Hay Drying" Both are available through the county extension office and Penn State

A Swedish dairy engineer, Ernst-Gunnar Samuelsson, of the dairy department of Alnarp Institute, Alnarp, Sweden, who is spending the spring semester at Penn State, is studying the effects of light on flavor changes in fresh milk

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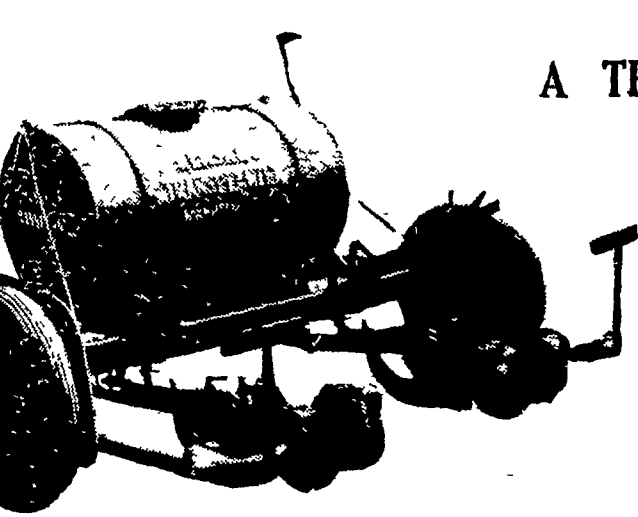
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