

## Dela. farmers spoon-feed irrigated corn

NEWARK, Dela. — Boron and sulfur are as easily leached from soil in the corn root zone as nitrogen.

Soil tests on fields of farmers participating in the University of Delaware's irrigated corn project show low levels of boron. In most cases, they also show twice the sulfur in the subsoil as found in the topsoil where most of the roots are located.

In the silt loams of northern Delaware, there's more clay in the subsoil and sulfur accumulates there at levels 10 to 15 times higher than in the topsoil.

"Delaware research has not concentrated on the need for additional sulfur," says Extension agronomist William Mitchell. "But work in other southeastern states—notably Florida—has shown that multiple applications of sulfur as well as boron will pay off for irrigated corn."

He says that according to the Florida research, nitrogen and sulfur should be applied in a 10 to 1 ratio. If 20 pounds of N (as 30-percent nitrogen solution) is to be applied at each irrigation, 2 pounds of elemental sulfur should be added to the mix to achieve nutrient balance. This would require approximately 10 pounds of ammonium sulfate.

These materials and boron (Solubor) are compatible if a proper amount of water is used for dilution of the 30-percent nitrogen solution.

"Your fertilizer supplier can formulate the blend for you and will advise you concerning the need for agitation," says the agronomist.

Mitchell is suggesting Delaware farmers who are participating in the university's combined

research and extension irrigated corn project try this blend on a limited acreage this summer.

The level of nutrients in participating cornfields will be monitored through tissue analysis

so these spoon-feeding practices can be taken into account when yields are compared at harvest.

The recommended blend includes the following nutrients on a per-acre basis: 6 gallons 30-

percent N solution (18 pounds N); 10 pounds ammonium sulphate (2 pounds N, 2 pounds S); 2 pounds Solubor (0.4 pounds B); 4 gallons water.

Five applications of the above

will total 100 pounds N, 10 pounds S, and 2.0 pounds B per acre. The first application should go on when corn is two feet high. The last should coincide with tassel emergence.

## Brown Swiss breeders head for California

BELOIT, Wisc. — The 101st National Annual Convention of the Brown Swiss Cattle Breeders'

Association of the U.S.A. will be held July 15-18, 1981. Headquarters for the event will be the

Sacramento Inn, Sacramento, California. Activities begin with a

registration and a reception on Wednesday evening, July 15.

Thursday morning plans include a Women's Program and special seminars. Seminar topics include "Milk Marketing" and "Reproduction and Sterility Problems."

Allan Grant, former president of the American Farm Bureau Federation, will be the Annual Meeting luncheon speaker.

At 1:30 p.m. Thursday, July 16, the National Annual Meeting will be called to order.

Other activities include banquet, tours and a barbecue.

Special activities have been planned for the juniors attending the convention.

On Friday evening a National Heifer Sale will be held poolside at the Sacramento Inn. A percentage of the proceeds of this sale go to National Youth Fund.

The convention concludes with the California National Sale on Saturday, 11 a.m. with the Cal Expo Fairgrounds in Sacramento.

Further details are available at the National Brown Swiss Office, Box 1038, Beloit, Wisconsin 53511. Phone 608/365-4474.

## Open house June 21.

FLEMINGTON, N.J. — Kuster Farms will open its doors to the public on Sunday, June 21, from 1 to 5 p.m. for Hunterdon County's eleventh annual Dairy Farm Open House.

Cooperating with the host family will be a committee of the Hunterdon County Board of Agriculture, the Cooperative Extension Service and New Jersey Farm Bureau.

"Plans are well underway for what might be our best dairy farm open house ever," reports Henry Kuehn, Jr., Raritan Township activity chairman. "Highlighting the day will be wagon tours of the 250-acre home farm to observe the crops grown on the farm, and the feeding and milking of the 100-plus dairy cows.

There will be artificial insemination demonstrations on the half-hour, a gentle cow or two for the experience of milking a cow by hand, feed exhibits, and a new film on the production of milk, says Kuehn.


The farm is operated by Ernest Kuster, Jr., and family. It had been purchased in 1939 by his

father, Ernest, Sr., and has been operated as a family farm ever since. In addition to the 250 acre on the home farm, the Kusters rent considerable acreage for the production of corn, soybeans, wheat, barley, oats and hay.

Grain drying and storage

equipment and facilities will be on view. There will also be the Kusters' array of field equipment on display.

Fresh milk and cheese snacks will be served during the afternoon by Hunterdon's Dairy Princess and this year's contestants.



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