

University trials show teat dipping effectiveness

ST. PAUL, Minn. — Three recent trials at Louisiana State University lend further support to the effectiveness of a non-iodine teat dip in reducing new cases of bovine mastitis.

Results from two experimental challenge trials showed that a non-iodine teat dip, Blu-Gard* from Klenzade Division of Economics

Laboratory, Inc., reduced new Staphylococcus aureus and Streptococcus agalactiae infections by 82.5 percent and 56.9 percent, respectively.

In the third trial, held under natural infection conditions, dipping with Blu-Gard reduced new Staph. aureus infections by 68.1 percent.

The LSU Hill Farm Research Station herd, consisting of 105 to 117 Jerseys, was used for the two challenge trials. Teats from both treated cows and untreated controls were dipped into concentrated solution of Staph. aureus and Strep. ag. immediately after milking. Cows in the treated group were then dipped with the non-iodine dip.

Control cows developed 23 new Staph. aureus and 14 new Strep. ag. infections during the four week trial, compared to just four Staph. aureus and six Strep. ag. infections for the dipped group.

A 75-cow commercial Jersey herd formed the experimental base for the six-month natural infection trial. The herd was divided into two groups, balanced as closely as possible on the basis of number of lactations, stage of lactation, milk production and other factors.

Milk samples were collected twice a month just prior to a regular milking. Teats of the treated cows were dipped full-length immediately after each milking.

Twelve new Staph. aureus infections were detected in the control animals, while only four treated cows developed new infections.

Staph. aureus and Strep. ag. are the two most common causes of bovine mastitis in the United States. A previous natural infection supervised by a University of California extension dairy advisor also showed Blu-Gard to be more effective than a 1.0 percent

iodine dip in preventing new coliform mastitis infections.

For more information on the trials mentioned in this article, contact Klenzade Division, Economics Laboratory Inc., Osborn Building, St. Paul, Minnesota 55102 - Phone: 612/293-2233.

Reagan at corn session

INDIANAPOLIS, Ind. — An International Corn Conference on July 31, keynoted by President Ronald W. Reagan and featuring experts from major corn consuming and producing nations, will highlight the annual meeting of the National Corn Growers Association (NCGA) here, July 29-August 1.

According to NCGA President John Stevenson of Ohio, the conference, which is sponsored by Ciba-Geigy Corp., will focus on the short- and long-term outlook for corn production and consumption, particularly supply and demand in the export market.

His Excellency Yoshio Okawara, ambassador extraordinary and plenipotentiary of Japan to the United States of America, and Albert V. Melnikov, acting trade representative of the Union of

Soviet Socialist Republics to the United States of America, will present the demand side of the export equation during the morning session.

President Reagan is scheduled to deliver the conference keynote address at lunch.

During the afternoon session, David Lacroze, former chairman of the Argentine Grain Board, and Sir Roy Denman, head of the Delegation of the Commission of the European Communities to the United States of America will provide overviews of corn production in their respective areas.

William E. Brock, U.S. special trade representative, is scheduled to provide a conference summary from the perspective of U.S. agricultural exports and trade policies.

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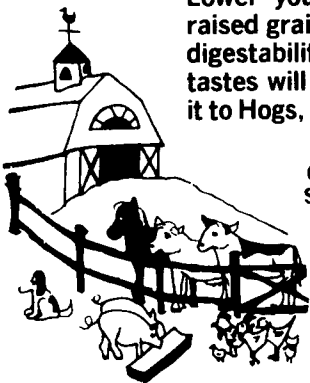
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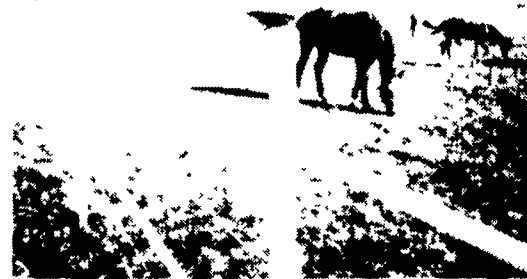
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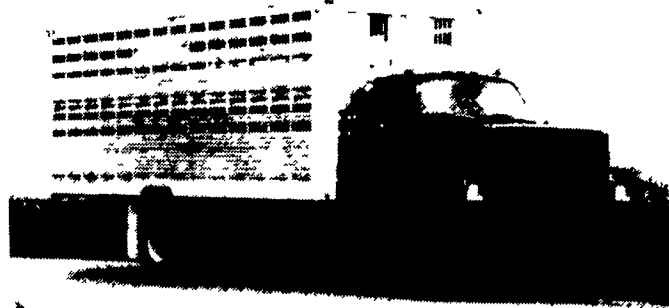
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