

Dairy Quality Team Says Flavor Improves

UNIVERSITY PARK (Centre Co.) — For the second consecutive year, the incidence of pronounced flavor defects declined sharply in four of six dairy products evaluated by the Penn State Dairy Product Evaluation Team.

"Between July and October 1993, we evaluated more than 100 samples each of cottage cheese, cheddar cheese, butter, vanilla ice cream and strawberry yogurt," said Sidney Barnard, professor of food science in Penn State's College of Agricultural Sciences.

The samples were purchased from stores in Pennsylvania and other Middle Atlantic and Northeastern states and were evaluated by two or more trained students and faculty members, using procedures established by the American Dairy Science Association and the American Cultured Dairy Products Institute.

"For the most part, this year's samples improved dramatically," Barnard said recently.

"For instance, last year 55 per-

cent of the cheddar cheese samples had pronounced flavor defects. This year, only 14.6 percent had those defects, an improvement of 73 percent."

In 1992, 37 percent of the strawberry yogurt samples had defects. This year, only 8.2 percent did, an improvement of 87 percent. Twenty-nine percent of last year's vanilla ice cream samples had defects, compared to 17.8 percent this year.

Cottage cheese samples improved by 47 percent, with 20.2 percent having flavor defects in 1993 compared to 38 percent in 1992. Butter samples improved 23 percent, with 39.8 percent having defects in 1993 compared to 52 percent in 1992.

Barnard said he believes the decline in pronounced flavor defects of all products except butter stems in part from a Penn State educational program conducted by mail and occasional responses to questions by telephone.

"We have sent evaluations of

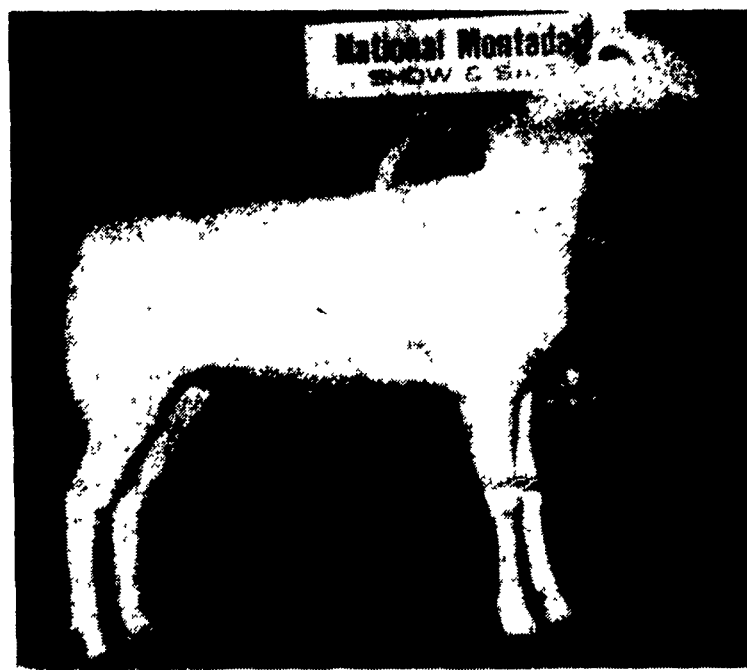
appearance, color, body, texture and flavor attributes to product manufacturers for several years," Barnard said. "For the past two years, we've sent printed materials describing the attributes, causes, correction of defects and prevention to each manufacturing plant."

"Most dairy product manufacturers have taken action to correct many pronounced flavor defects. As a result, samples evaluated in 1993 show a high level of improvement over those evaluated in 1992."

"However, considerable improvement could be made by butter and cottage cheese manufacturers in the cream and milk they accept," he said. "The flavor improvement would result in greater consumer acceptance of their products."

Barnard said that similar challenges remain for nonfat ice cream and frozen dessert and for nonfat yogurt.

Maryland Ewe Record \$4100



The top-selling Montadale ewe for 1993 was bred by Weston Farm, Glen Arm, Maryland, owned by Kathy and Alfred Tyler. The ewe was purchased by Turnabout Farm, Mira Loma, California, in the 1993 National Montadale Sale held in Springfield, Illinois, for \$4100. The record-priced ewe later went on to take championship honors at the California State Fair. The new high-selling price eclipsed the old record of \$4,000 set in 1989.

The top-selling Montadale ram for 1993 also sold in the national sale for \$3,500. This ram, consigned by the Keith Crome family of Paris, Illinois, was purchased by the Wild Apple Hill Farm of Maureen Hess, Hudson, New York.

PENN JERSEY CROP MANAGEMENT MEETING

"Creative Opportunities To Increase Farm Profitability"

FEBRUARY 23, 1994 — 9:30 A.M. to 3 P.M.
Holiday Inn, Routes 22 & 512, Bethlehem, PA

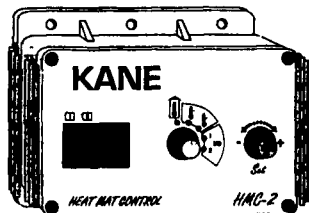
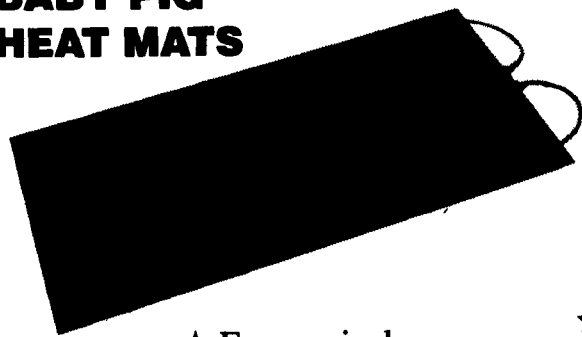
SPONSORED BY: Penn State Cooperative Extension; Rutgers Cooperative Extension Soil Conservation Districts and Service; Agricultural Stabilization and Conservation Service; Pennsylvania Association for Sustainable Agriculture

The conference is designed to present practical, new and creative ideas to help you turn these challenges into opportunities. Our expert speakers and exhibitors will assist in improving profitability and viability, and expanding markets.

KANE'S

BABY PIG HEAT MATS

VARIABLE HEAT MAT CONTROL



- ★ Economical
- ★ Uniform Warmth
- ★ Comfortable Heating
- ★ "Piling" Reduced
- ★ Fiberglass Construction
- ★ Easy Installation

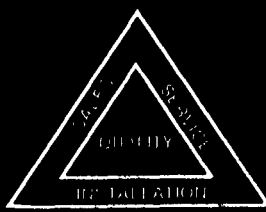
- ★ SAVES Energy Costs
- ★ Optimum Piglet Comfort
- ★ Mat Temperature Regulated Automatically Based On Room Temperature
- ★ Easy To Set
- ★ 1 Controller Can Control 2 Groups Of Mats

TRI-COUNTY

Confinement Systems Inc.

608 E. Evergreen Rd., Lebanon, PA 17042

(717) 264-3488



YOU'RE INVITED TO A POWERFUL SHOW OF GRATITUDE.

ANNOUNCING CASE IH CUSTOMER APPRECIATION DAYS.

We know what's most important to our dealership. You. That's why we're inviting you to see the MAGNUM™ encore—the debut of the new 7200 Series MAGNUM tractors. Plus, there will be an entertaining video presentation, lots of other Case International equipment, and dozens of door prizes, including

- A Deluxe Weber® Gas Grill • Case IH Jackets • Case IH Sweatshirts • MAGNUM Caps • And much, much more

Be sure to register for a chance

to win one of five Regional Grand Prizes—

Use Of A New MAGNUM Tractor For 50 Hours!

Check below for the time, date and location
 And find out how it feels to be appreciated

Zimmerman Farm Service
 ½ Mile West off Rt. 501 on School Road, Bethel, PA
OPEN HOUSE February 7 thru 11
 See Our Ad On Page D-33



©1993 Case. *Encore Performance Customer Appreciation Days will be held at participating dealerships from 1/6/94 through 3/31/94. No purchase or viewing of video presentation is necessary to enter or win. Subject to Official Rules. Rules and entry forms available at participating dealerships or send a self-addressed stamped #10 business size envelope by 3/15/94 to Case IH Appreciation Days Sweepstakes Rules, P.O. Box 1415, Northbrook, IL 60065-1415. Enter only at your local Case dealership on their Customer Appreciation Day only during Customer Appreciation Day hours. Use Official Form from dealer (or 3x5 card if Official Forms unavailable). To enter you must be a U.S. resident 18 years or older. Only one entry per person. Each dealership drawing for free tractor use will be forwarded to an independent judging firm for the final drawing. Free use of five (5) tractors to be awarded with a each of nine (9) Case sales regions in the United States. Each winner to receive 50 hours use of a 7200 Series MAGNUM tractor. Specific model of tractor for each free use to be determined subject to dealer availability. Value of 50-hour use approximately \$1,170.00 (U.S.). Tractor use must be completed by 12/31/94. See your local participating dealership for exact time, date and location of its Customer Appreciation Day. Void where prohibited.