

# PA All-American Opens Sept. 21 In Harrisburg

"Dairy Distinction" best describes the 24th Pennsylvania All-American Dairy Show scheduled for September 21-25 at the Farm Show Complex in Harrisburg.

The strength and vitality of the dairy industry is supported through competition and activities at the

All-American. Exhibitors from 26 states and Canada will vie for over \$84,000 in premiums and blue ribbons in six dairy divisions.

The caliber of competition is indicated by the fact that three national shows are scheduled for this year. Open and junior divisions will be held in the National

Guernsey Show, the Eastern National Brown Swiss Show and the Eastern National Holstein Show.

The show's coordinators have worked hard to bring the best of dairy industry to the PAADS. They have changed the schedule

this year to better accommodate exhibitors and improve the judging competition for all participants.

A new Junior Dairyman's Contest will honor individual state winners and top-placing 4-H and FFA teams who best combine their judging and management skills with knowledge of the dairy industry.

Opportunities to socialize in between the competition will be offered for members of the dairy industry at the Pennsylvania Dairy Princess Coronation on September 19 and the All-American Banquet on September 21.

Once again the Invitational Youth Judging Contest will offer college students the chance to match wits and dairy judging skills to earn prestige among their national peers. The Pennsylvania Junior Dairy Show and the Pennsylvania 4-H and FFA Dairy Judging Forum also offer our youth the opportunity to improve their judging and exhibiting abilities.

The entry deadline for PAADS competition is August 21. A \$10 late fee will be charged for entries postmarked between August 22 and September 3. Exhibitors' information is available from the livestock office at the Farm Show Complex by calling 717-787-2905.

Following is the schedule for activities, which are all free and open to the public.

- Monday, Sept. 21**  
 8 am- Invitational Youth Judging Contest  
 8 am- Pennsylvania Junior Dairy Show  
 7 pm- All-American Banquet, Sheraton East Harrisburg  
 7 pm- Invitational Brown Swiss Show
- Tuesday, Sept. 22**  
 9 am- National Guernsey Show  
 9 am- PAA Milking Shorthorn Show  
 10 am- Junior Dairyman Contest  
 10 am- Pennsylvania 4-H and FFA Judging Farm
- Wednesday, Sept. 23**  
 9 am- Eastern National Brown Swiss Show  
 1:30- Pennsylvania State Jersey Sale
- Thursday, Sept. 24**  
 9 am- PAA Jersey Show  
 Noon- Eastern National Holstein Show (dry cow, calf, heifer and bull classes)  
 1:30- Pennsylvania Elite Ayrshire Sale  
 7 pm- All-American Holstein Sale
- Friday, Sept. 25**  
 9 am- Eastern National Holstein Show (milking classes and groups)  
 9 am- PAA Ayrshire Show

## Industrial Uses For Corn Show Great Promise

MINNEAPOLIS — If you had bought a new Plymouth car in 1937, and CMA had been used as a deicer on all the roads during the succeeding 50 years, your car would only now be starting to show signs of rust, the crowd at the recent 1987 National Corn Growers Association Corn Classic in Minneapolis was told.

Dr. Lawrence Hudson, senior project manager, New York State Energy research and Development Authority, told corn growers how corn-based CMA and other new products made from corn grain and corn stover are emerging through the efforts of several research programs.

Among the most promising are biodegradable plastics, calcium magnesium acetate (CMA), petrochemicals from sugars, sugars from cellulose (cobs, husks and stalks), lignin chemistry, and corn cob-derived ignition improver for alcohol-diesel engines.

Hudson pointed out CMA is effective, non-corrosive and environmentally safe. The major drawback at this time is cost, but new estimates show even that problem could be overcome.

Currently, small-scale CMA production from commercial acetic acid and dolomitic lime costs 40 cents per pound. According to the SRI report, large-scale production would drop the cost to 27 cents per pound. Large-scale production from corn syrup fermentation and same-vessel reaction with dolomitic lime (with corn at \$2.40/bu.) would put the price at 19 cents per pound. The price would drop even further, according to SRI, with large-scale production from corn using halophiles, 14 cents per pound, or from corn stover using halophiles, to 13 cents per pound.

Hudson pointed out that at a cost of 13 cents per pound, corn-based CMA would be cost efficient for use by cities and states without raising taxes. This also takes into account the savings in time and expense for road and bridge repairs and maintenance which would have occurred with the use of salt. If CMA was adopted on a wide basis, about 10 to 20 million tons could be used each year which would require up to 700 million bushels of corn.

Hudson also asked corn growers if they would like to make pesti-

cides from their own product, noting that corn stover can be processed to make pesticides, pharmaceuticals, adhesives, cosmetics, plastics, fabrics, ethanol for fuel blending, nylon and castings.

A 10 percent ethanol-blended gasoline is available for cars, and now "every major diesel engine manufacturer is looking at ethanol to meet the new pollution standards by 1991," said Hudson. He told the group that Cummins Engine Company and Daimler-Benz have operated several hundred diesel vehicles in Brazil on ethanol with ignition improver.

"Corn growers may benefit through new demand for corn cobs as a feedstock for ignition improver," Hudson noted.

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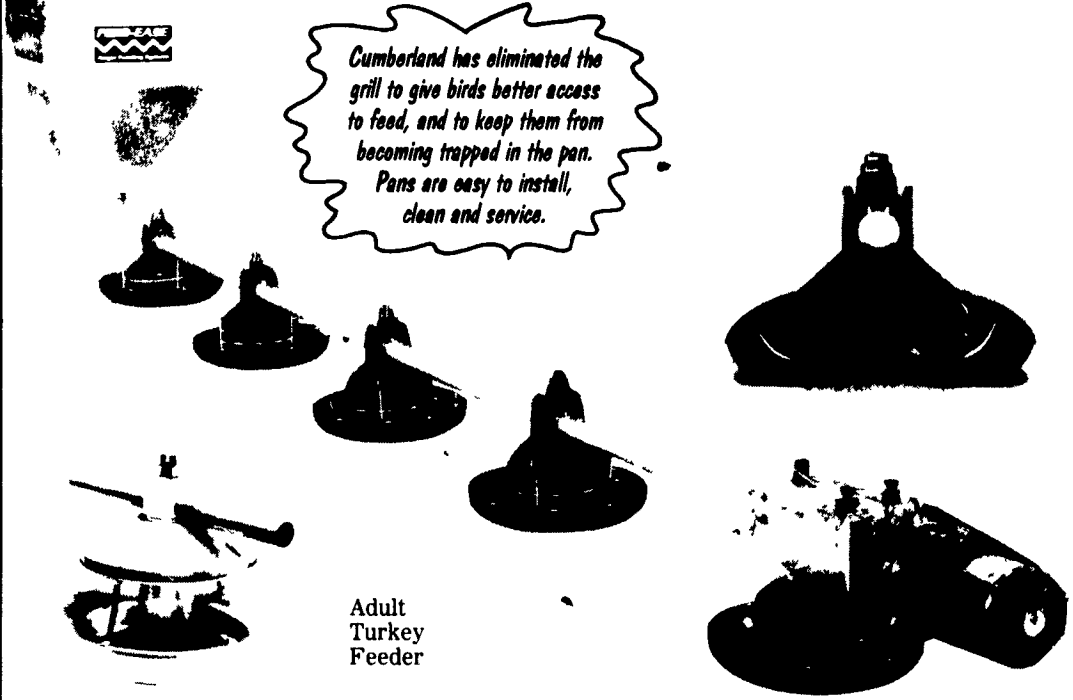
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