

Center Builds New Pesticide Facility

NEWARK, Del. — Under construction to be completed by mid-August is a new pesticide containment and storage building at the University of Delaware Research and Education Center in Georgetown.

The building, which represents state-of-the-art construction for such a facility, includes pesticide storage areas, a mixing area, locker room and a rinse pad for equipment used to apply pesticides.

Mark Isaacs, director of the center, explains that "new experimental compounds and environmental regulations required an up-to-date facility for handling agricultural pesticides," he said. "This facility will also allow our researchers and specialists to use compounds that are approved for experimental use only. EPA guidelines for restrictions and regulations must be followed carefully."

Isaacs said the containment area of the facility has received special attention. With the new structure, any leaks or spills will be contained in the room by a small curb around the perimeter. Cleanup will then be confined to a small area.

The three storage areas will be used for herbicides, insecticides and experimental herbicides. By separating the different compounds, scientists will have reduced exposure overall to chemicals. For example, an entomologist working with insecticides would work only in the insecticide-containment room and could avoid possible exposure to herbicides. Curbs were also installed in these rooms for secondary containment.

The mixing room and rinse pad have curbs as well as self-contained drainage systems to handle spills and leaks without contaminating the underlying ground or septic system. Rinse water runs through a pesticide detoxification treatment that absorbs the chemicals in replaceable activated carbon filters. This facility is also carefully ventilated to enhance occupational safety.

The rinse pad and treatment area is 36 by 20 feet, allowing trucks and other machinery to enter for cleaning. Spray equipment can also be filled and rinsed here.

The final design was drafted by Chuck Dobbs of the university's facilities planning and construction from preliminary designs by Dr. Jim Scarborough, extension engineer. Substantial financial support for the building was allocated by the State of Delaware Bond Bill in 1992 and 1993.

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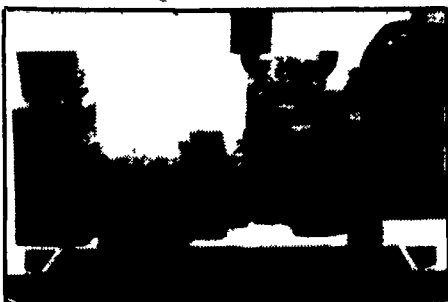
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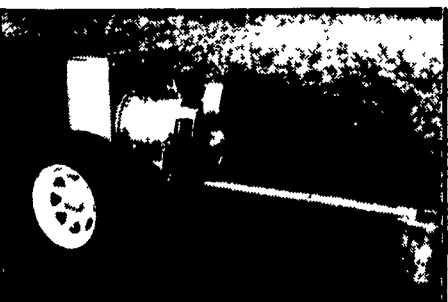
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Fun Night Offers Entertainment

HARRISBURG (Dauphin Co.) — Pennsylvania's Farm Show is just around the corner and residents can enter several "Dairy Fun Night" contests to win cash prizes. The "Ice Cream Churn-Off" and "Dairy Obstacle Contest" are activities at the annual "Fun Night," held Tuesday, Jan. 11, at the PA Farm Show Complex.

The "Churn-Off" requires contestants to create their own flavors of homemade ice cream. The winner of this contest will take home a top prize of \$300. Second and third place recipes will receive \$150 and \$125, respectively. Previous contests have featured simple recipes, like Raspberry, and more creative ice creams, such as "Hawaiian Delight."

Eight qualified entries will compete in the "Churn-Off" contest. All entries must use Real dairy products. Only original, unpublished recipes will compete in the contest. Judges will use the following criteria to select the winner: effective use of dairy products (30%); taste and visual appeal (30%); recipe originality

and creativity (30%); and ease of preparation (10%).

For a second year, "Dairy Fun Night" will include a "Dairy Obstacle Contest." This contest allows competitors to experience activities that typically occur on a dairy farm. Teams must consist of three people. Each team member will participate in a different activity - stacking hay/straw bales; dodging "cowpies;" or pouring milk from a large milk can into small bottles.

Three age categories are available for the "Obstacle Contest." The categories include: 12 years and under; 13 to 19 years; and adults (19 years and above). Two awards will be made in each category; first, \$75 and second, \$50. The first four entries in each category will be selected to compete in the contest.

These contests are open to all Pennsylvania residents, except those that have an affiliation with the Pennsylvania Dairy Promotion Program. Persons with professional-status cannot enter the "Churn-Off" contest. The

"Churn-Off" contest is limited to one entry per family, FFA chapter, 4-H club, or other organization. The same rule applies per category for the "Obstacle Contest."

Entries for both contests must be received in the Pennsylvania Dairy Promotion Program office by December 17, 1993. Entries must include the names of all contest participants and be mailed to: "Dairy Fun Night Ice Cream Churn-Off" or Dairy Fun Night Obstacle Contest."

Pennsylvania Dairy Promotion Program, 2301 North Cameron Street, Harrisburg, PA, 17110-9408. For the "Obstacle Contest," team category must be specified. Recipes for the "Churn-Off" contest must be submitted as well. All entries should include a complete address and telephone number for each participant.

"Dairy Fun Night" is jointly sponsored by the Pennsylvania Department of Agriculture and the Pennsylvania Dairy Promotion Program. Further information about "Dairy Fun Night" is available by calling (717) 787-6903.

Export Demand Fuels Increase

(Continued from Page A20)

The virus is shed in the feather follicle epithelium and through oral and respiratory secretions, according to Dunn. Morbidity and mortality depend on the form of clinical disease.

Symptoms include the classic split leg stance, and the nerve cells are affected (impulses cannot be conducted). In more severe cases, tumors develop on the spleen, liver, and many other vital organs.

Veterinarians treat the disease through a vaccine that provides resistance to disease after infection. Infection with a mild strain of the virus provides immunity against the effects of later infection

with the pathogenic virus.

Selection of the vaccine is important, as is procedure, in preventing loss because of MD. Veterinarians select the most avirulent strain to provide adequate protection, according to Dunn. Those administering the vaccine should pay strict attention to handling, mixing, application, and monitoring.

"The vaccine is only as good as what you do with it after you get it," she said. "Treat it with a lot of respect."

Dunn traced the progression of vaccine types, and said a new type, CVI988/Rispin, used successfully

in Europe, should be available to veterinarians in this country in a few years.

Producers should remember that immunity is not the sole solution to MD control, however, and that overall bird health management and selection of genetics resistant to the virus are important.

She said that producers, particularly in the Delmarva region, are seeing the incidence of Marek's Disease increasing and are taking steps to control it. She said there is "evidence of problem farms out there that need to get ahead of Marek's Disease before it gets ahead of them."

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