

Governor's School For Ag Sciences Marks 10th Year

UNIVERSITY PARK (Centre Co.)—The Pennsylvania Governor's School for the Agricultural Sciences at Penn State, held on the University Park Campus July 2 to August 5, celebrates its 10th anniversary this year.

Each summer, 64 of the state's leading high school juniors and seniors spend five weeks at Penn State, learning about the agricultural sciences. They conduct research with professors and have access to college facilities, including specialized libraries and laboratories.

Over the past 10 years, about 600 students have attended the school. Nearly all of them have gone on to college, and many have chosen to attend the College of Agricultural Sciences at Penn State.

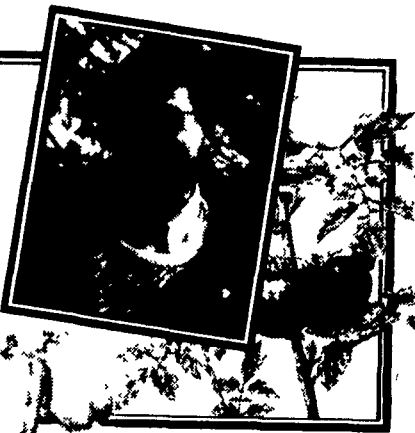
The school's 10th anniversary was recognized at the opening ceremony on Sunday, July 2, in the Agricultural Sciences and Industries Building.

Between 70 and 100 College of Agricultural Sciences faculty members are involved in the program each year, teaching subjects such as agricultural economics, food science and forestry. The scholars take core courses in 11 areas and elective courses in five areas, and can choose from more than 30 independent research projects.

They also take field trips to agricultural agencies and businesses and get hands-on experience

working in laboratories, greenhouses and farms. Planned activities include visits to Longwood Botanical Gardens, Hershey Foods, the New Bolton Center at the University of Pennsylvania, the Atlantic Breeders' Cooperative and Shaver's Creek Environmental Center.

All Gardens Great & Small by York Co. Horticultural Agent Tom Becker



LATE BLIGHT "ALERT"

This is the second in a series of articles on diagnosing and reducing pests in the garden. Serious disease and insect pests problems require quick identification and treatments.

During the growing season, check your garden weekly for diseases. On potatoes and tomatoes check weekly especially in wet weather.

Why? A disease known as late blight can affect the foliage, fruits and tubers of tomato and potato. The first occurrence of late blight in any area will be very important to other areas where late blight has not appeared. Please contact your County Extension Office, if you suspect the presence of late blight.

The "alert" is also for commercial growers of both potato and tomato. There is a strong chance that potato seed pieces in cull piles could be carrying the blight fungus (Phytophthora infestans).

Tomatoes and potatoes are susceptible to late blight at any time during the growing season. If the growing season continues wetter than the usual, late blight occurrence is likely.

If you find late blight, begin fungicide applications. Or intensify your fungicide applications by increasing application frequency or rate. Be sure to keep within the guidelines on the pesticide label.

The only fungicides now effective against late blight and available to home gardeners are protectant materials. These products protect foliage from infection but they cannot cure plants once they are infected. Continuous fungicide coverage is necessary to protect plants from infection.

Protectant fungicides available to manage the disease include mancozeb, maneb, chlorothalonil, and copper. See the label directions for specific information on application rates and frequency of application.

If late blight becomes severe, remove diseased plants by digging them up. Destroy these plants immediately by burying in an area away from the garden, or discarding in a plastic bag. Lastly, harvest all potato tubers in the garden. If late blight occurs when the tubers have already "sized up," harvest

the crop as soon as possible to avoid post-harvest tuber rot. Again, destroy diseased foliage and stems.

Watering practices that help reduce foliage diseases will help prevent late blight. On potatoes and tomatoes avoid wetting the leaves when you water. How?

Soak the ground around each plant instead of spraying the foliage with water. Consider using a trickle irrigation system or water your garden mid-day so that the foliage dries off quickly. Eliminate weeds around the garden so as to maximize air circulation around the plants. Additionally for potatoes, hill up the soil around the plants to provide a more substantial barrier against tuber infection from spores washing down through the soil.

Butterfly Weekends

UNIVERSITY PARK (Centre Co.) — Attend a Butterfly Weekend, sponsored by the entomology department in Penn State's College of Agricultural Sciences, to learn to identify butterflies.

The Butterfly Weekends are scheduled for July 22 and August 12. Each session begins at 9:30 a.m. in Headhouse 3 on Penn State's University Park Campus. At 11:30, participants will board a bus for a leisurely four- to five-

hour day in the field looking at some of Centre County's 100 species of butterflies. Trips with a series of stops are planned to other areas where butterflies congregate.

The cost is \$22 per session. Participants must be 10 years of age or older. For more information or to receive a registration brochure, write to the Office of Short Courses, 306 Agricultural Administration Building, University Park, PA 16802-2601 or call (814) 865-8301.

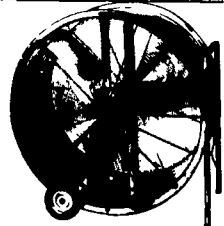
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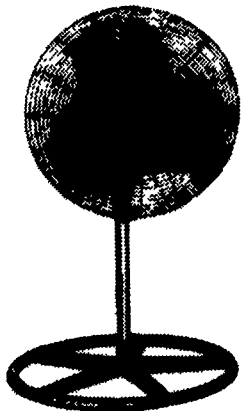
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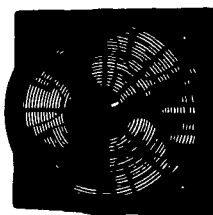
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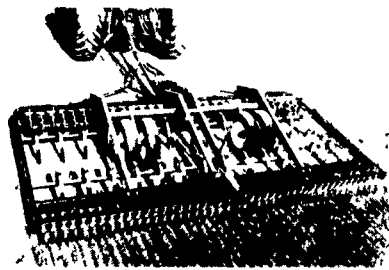
ROLLING ON...IN THE 90'S



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ROLLING ON...IN THE 90'S



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