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conducted at Penn State is transformed into programs that reach all citizens of the commonwealth.

"We'll also give them the opportunity to talk with people in agribusiness, watch some of the latest farm machinery in operation, tour several research and conservation demonstration areas and have a great experience in a family-oriented atmosphere," Hood said.

Ag Progress Days is one of the largest outdoor showcases of agriculture research and technology in the East. More than 250 commercial exhibitors will show and demonstrate approximately \$20 million worth of agricultural equipment. The event also features tours of research farms and conservation education areas; exhibits and presentations by Penn State faculty on topics such as water quality, food safety, waste management and biotechnology; a game show with prizes; a working computer classroom; a museum

full of antique home and farm implements; exhibits and demonstrations of Pennsylvania's heritage crafts with information on how to start a home-based business; and more.

College of Agriculture faculty and staff have continued their emphasis on exhibits and demonstrations that are exciting and fun to watch, as well as educational.

Animal welfare will be a major focus in the College Exhibits building, with a live animal display that will show different housing options for sows.

"We hope to demonstrate that producers must review a wealth of variables affecting animal welfare before deciding what facilities are appropriate for their enterprise," said Dr. Kenneth Kephart, assistant professor of animal science and coordinator of the exhibit.

Visitors can also learn more about the risk and prevention of respiratory diseases at the Protect Your Lungs exhibit. College of Agriculture faculty will be avail-

able to discuss air contaminants both on the farm and in the home. Different types of respirators will be demonstrated and MediQ Healthcare will be on hand to provide free lung-capacity tests.

Biological control of gypsy moths will be the focus of another exhibit. Information highlighting control methods for homeowners will be distributed throughout the event and visitors will be able to view gypsy moths at various stages of growth and observe moths treated with different bio-control methods.

The College Exhibits building will also feature exhibits on food safety, waste management, agricultural biotechnology and turf-grass and the environment.

At the Home-Based Businesses and Pennsylvania Heritage Crafts Tent, the emphasis will be on helping prospective entrepreneurs get a head start on success. In addition to professional craftspeople exhibiting their work and demonstrating how crafts are made, Ag

Progress Days visitors will be able to talk with the artisans and with Penn State faculty and staff about establishing home-based and small-scale businesses themselves.

Visitors also can get timely advice when they "Ask the Experts" in the areas of landscape, lawn and garden; crop and soil science; and dairy and livestock production. College of Agriculture faculty members and cooperative extension agents will be available to answer general questions and deal with specific problems.

Bus tours to the research farms always have been a highlight of Ag Progress Days. A popular new addition two years ago — the special topics research tours — will return. Tuesday's tour will focus on Integrated Crop Management. On Wednesday's Water Quality tour, visitors will travel to the University Park Campus for a tour of the Landscape Management Research Center and the horticulture department's greenhouses. Thurs-

day's tour will highlight research relating to disease and insect control on agricultural crops. While the general research tours run all day long, the special topics tours will run twice a day at 10 a.m. and 1:45 p.m.

Conservation education also will play a major role at Ag Progress Days. The popular soil and water conservation tours will return this year with a regular schedule throughout the day. There also will be special tours and workshops on intensive livestock grazing, integrated pest management, wetland construction, streambank crossings and plant materials.

Young people will enjoy the computer classroom located in the Youth Building, with introductory lessons on the Apple Macintosh computer running throughout the day. The Youth Building also will feature information on career planning, college admission, the 4-H program and the Pennsylvania Governor's School for the Agricultural Sciences. Nearby will be the wildlife exhibit from the Shaver's Creek Environmental Center, with some of Pennsylvania's many animal species.

Machinery demonstrations will have a full schedule and a new emphasis. Five demonstrations each day will feature mowing, pesticide application, conservation planting, hay crop silage chopping and bagging and hay crop silage baling and wrapping.

The Meating Place is back, too. Faculty and staff from Penn State's College of Agriculture will give meat cutting and cooking demonstrations, explaining which cuts are low in fat and preparing the meat three different ways. Visitors can sample the results.

There also is plenty of food to eat, served by many agricultural and community service organizations. Visitors who bring their appetites to Ag Progress Days won't leave hungry.

Penn State's Ag Progress Days features over 500 acres of educational and commercial exhibits, tours and machinery demonstrations. It is held at the Russell E. Larson Agricultural Research Center at Rock Springs, nine miles southwest of State College on Route 45, August 14-16. Hours are 9 a.m. to 5 p.m. Tuesday and Thursday, with extended hours of 9 a.m. to 8 p.m. on Wednesday. Admission and parking are free.

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