

# Penn State potato day July 27

LANDISVILLE — Potato research and updated potato production techniques will be featured during a field day to be held July 27 here at the Southeastern Field Research Laboratory of Penn State. The program will begin at 9 a.m.

The potato field day is open to the public and will be held rain or shine, according to Richard H. Cole. Opening tours will center around potato pest management research. Special emphasis will be given to control of the Colorado potato beetle.

Morning activities will also include new potato clones displayed from Penn State's potato breeding program. Plant breeding methods will likewise be described by the research staff the morning of July 27.

Crop rotations of interest to potato growers will be shown in the forenoon. At all events, Penn State staff members will be on hand to answer questions, Cole said.

Afternoon activities will include a demonstration of the potato bruise test kit to show how harvest

operations can be evaluated to identify the source of harvest bruising.

Methods of pesticides spray applications will be evaluated using a special black-light technique. In the afternoon, sprays of a black-light dye will be put on potatoes with a variety of spray equipment. An evening (after dark) visit to the fields should be revealing by demonstrating the effectiveness of spray cover by different spray machinery.

An all-day display of home computer systems suitable for farm business operations will be available for inspection and discussion with the staff. Use of computers will be demonstrated in the afternoon.

To reach the Landisville research farm from the Pennsylvania Turnpike to the north, get off the Turnpike at the Lebanon-Lancaster interchange and go south on Route 72 toward Lancaster. One-half mile south of Manheim turn right onto Auction Road immediately after passing the Manheim Auto Auction.

Auction Road leads directly to the Penn State field lab.

Coming to the farm from the direction of Harrisburg or Lancaster, take Route 283. Get off at


the Salunga-Landisville interchange (make sure it is the Salunga-Landisville interchange). Go northeast on Spooky Nook Road one-half mile. Turn left onto Shenk

Road and proceed to a red covered bridge. Turn left and go through the bridge. At this point, signs direct visitors to the Southeastern Field Research Laboratory.

**NORTHAMPTON  
FARM BUREAU  
CO-OPERATIVE  
ASSOCIATION**  
TATAMY, PA

★  
**FEED, SEED CHEMICALS**  
★  
**LIME AND FERTILIZER  
CUSTOM APPLICATION**  
★  
**TEXACO PETROLEUM PRODUCTS**  
★  
**SIMPLICITY  
LAWN & GARDEN EQUIPMENT**  
EASTON 215-258-2871

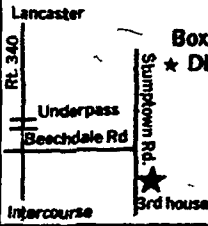
**PORCH or LAWN GLIDER**  
Wholesale or Retail



**Redwood, Yellow Pine & Outdoor Wood**  
**COMPLETE LINE OF REDWOOD LAWN FURNITURE**

- GLIDER
- PICNIC TABLE
- LAWN CHAIR & TABLE
- PORCH SWINGS
- DOUBLE BENCH LAWN SWING

**JONAS S. EBERSOL**  
1 1/2 MILES NORTH OF BIRD-IN-HAND ON  
2689 Stumptown Road  
Box 461, Bird-in-Hand, PA 17505  
★ DEALER INQUIRIES INVITED ★  
Authorized Dealer  
**GREEN ACRE GARDEN CENTER**  
2469 New Holland Pike  
Lancaster, PA 17601  
717-656-7374



## BEAT THE SUMMER HEAT... SPRINKLER COOLING SYSTEM (Not Fogger) FOR HOGS

### THE PROBLEM

When the temperature goes up, one of the first ways your body reacts is by breaking out in perspiration. That's nature's way of cooling off.

It's different with hogs. High temperatures cause them a great deal of stress because they can't sweat. When under this stress due to heat, hogs will lose their appetite, weight gains drop, there is poor feed conversion, conception rate is reduced and pens become a mess. All of this adds up to lost profits.

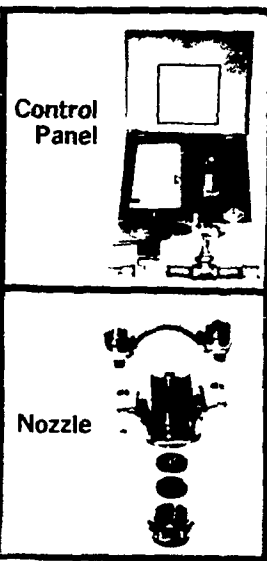
### THE SOLUTION

When the temperature is above 72° F even ventilation can't cure the stress that results. But a sprinkler cooling system can help your hogs where nature fell short, giving them a chance to cool off. It sprays them with coarse water droplets to reduce their body temperature. The idea is simple, but extremely effective.

### THE SYSTEM

The sprinkle cycle is turned on automatically whenever the barn temperature rises above a preset level 72° F. Throughout this "on" period the control functions to permit sprinkling to occur for a preset time period each hour (2 minutes/hour is recommended for best results). When the barn temperature drops below 72° F the cycle is automatically interrupted.

The nozzles are clamped to a plastic pipe strung over the gutter of slatted area at the rear of the pen. Each nozzle covers a 5-6 foot diameter area which usually means one nozzle per pen. The nozzle assures a coarse droplet spray pattern which is important for maximum cooling. A fine mist of fog is not desirable in geographical areas of generally high summer relative humidity.



### THE PROOF

	Control Hogs not sprayed	Hogs Sprayed 1 min per hr above 85°F	Hogs Sprayed 1 min per hr above 70°F	Hogs Sprayed 1 min per hr above 70°F
Average daily gain per hog	1.37	1.62	1.62	1.72
Average daily feed consumption per hog	5.84	6.77	6.72	6.67
Lbs feed per lb grain per day	4.38	4.18	4.16	3.89
Lbs feed save hog	0	22	22	49
Days earlier to market	0	1	11	15

Research done at Ridgetown College of Agricultural Technology in Ontario and at the University of California have shown these results. These figures are calculated on hogs from 100 lbs. up to 200 lbs.

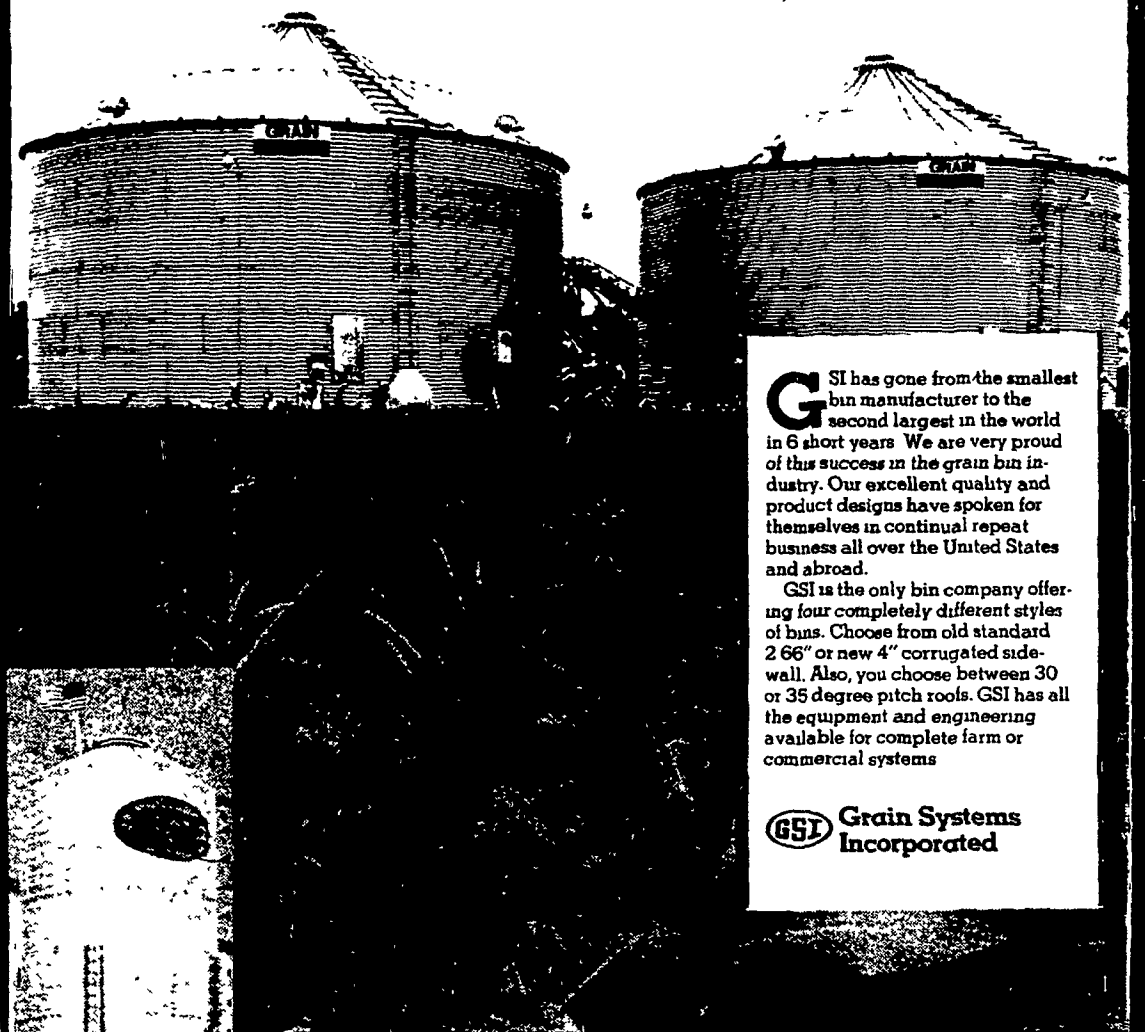
SWINE & POULTRY SYSTEMS SPECIALISTS

## FARMER BOY AG. INC.

457 E. MAIN AVE MYERSTOWN, PA 17067 PH 717-866-7565

**BEST IN DESIGN, PRICE AND EXPERIENCE**

## More Bin For The Dollar at GSI!



**G**SI has gone from the smallest bin manufacturer to the second largest in the world in 6 short years. We are very proud of this success in the grain bin industry. Our excellent quality and product designs have spoken for themselves in continual repeat business all over the United States and abroad.

GSI is the only bin company offering four completely different styles of bins. Choose from old standard 2'66" or new 4" corrugated sidewall. Also, you choose between 30 or 35 degree pitch roofs. GSI has all the equipment and engineering available for complete farm or commercial systems.

**GSI Grain Systems Incorporated**

### THE FOLLOWING METHODS OF DRYING GRAIN ARE AVAILABLE HERE:

- Natural Air Drying
- Low Temperature Drying
- High Temperature Drying
- High Temperature Stir-Drying
- Batch In Bin Drying
- Layer Drying
- High-Low Temperature Drying
- Continuous Flow Drying
- Dryeration

2.7 Ton to 58 Ton Capacity

Available with 30° corrugated roof or a 35° roof

★ FULL LINE PARTS DEPARTMENT ★ WE SELL, SERVICE & INSTALL

## EMHERR

**EQUIPMENT, INC.**  
RD 1, Rt. 272 S., Herrville Rd.,  
Willow Street, PA

Serving The Industry For Over 20 Years

Phone: 717-464-3321 or  
Toll Free 1-800-732-0053