

Corn Virus No Threat In Pa., Says Penn State Pathologist

Maize dwarf mosaic virus, considered a potential threat to field corn yields when first observed in Pennsylvania three years ago, poses no serious problem, a plant pathologist from The Pennsylvania State University stated recently during annual meetings of the American Phytopathological Society in Washington, D.C.

"We have maize dwarf mosaic virus in most of Pennsylvania but it may never be as destructive of corn yields as predicted three years ago," declared David R. MacKenzie, graduate assistant working with Penn State's program to develop corn lines resistant to the virus.

MacKenzie based his comments on three years of work

● Tire & Battery

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than twenty other state Farm Bureaus are already making the "SAFEMARK" tires and batteries available to members.

All standard sizes in the premium safety grade of passenger car tires and first line premium truck and tractor tires, as well as a complete line of top grade passenger, commercial, and tractor batteries will be offered Lancaster County Farmers' Association members, Mr. Wenger said. The cost will be the factory price plus a very nominal distribution charge which will make them available to members "at a very substantial saving," the County Farmers' Association president declared.

"SAFEMARK" items may be purchased by any member of the Lancaster County Farmers' Association by presenting his T & B Service Identification Card, issued by the County Secretary. Also businesses handling tires and batteries to

Severity of the disease depends upon the strain or race of the virus, MacKenzie explained. So far two strains have been found. Strain A seems to be the most destructive but is seldom found in Pennsylvania. Strain B is found often in the State but only delays maturity of the corn.

The virus does remain a threat to yields of late maturing sweet corn, he pointed out. Such sweet corn stands a chance of being severely stunted with small and unfilled ears. The disease was first found in Pennsylvania in a field of late-planted sweet corn.

In their experiments, Dr. Wernham and associates have designed a mobile air blast machine capable of inoculating two acres of corn with the virus in a day. Air pressure from the machine actually forces virus particles into the leaves of corn plants.

be announced later. "SAFEMARK" items will be guaranteed by the Pennsylvania Farmers' Association Farm Supply Corp. and Service Agent will make necessary adjustments on the basis of the original cost of the item with no cost for mounting or installing replacement items.

"This is strictly a service-to-member program, instituted to help cut costs of production and thereby increase net income of our members," the county organization leader explained.

EPHRATA FAIR



LARRY HIGH, Bareville was the top showman at the Ephrata Steer Show.




SUSAN GRAYBILL, Stevens R1 had the best fitted steer at the Ephrata Show. L. F. Photo



GRAND AND RESERVE GRAND CHAMPIONS. At the Ephrata Fair Thursday evening is (left) the grand champion, a Hereford shown by Mike

Smucker, Ephrata R2. (right) Sheryl Weaver, New Holland R2 and her reserve grand champion Angus. L. F. Photo



WELCOME TO DEKALB'S TEST PLOT DAY

You are cordially invited to
attend the DeKalb Lancaster
Test Plot Day.

THURSDAY, OCT. 5

AT

NOAH ESBENSHADE FARM

1 mile south of Rt. 30 East on
Bowman Road.

10 A.M. to 2 P.M.

FREE REFRESHMENTS

Airborne 'Eye' Detects Forest Fires Thru Smog

USDA has developed an airborne electronic eye capable of pinpointing the smallest of forest fires, even when visibility is obscured by darkness, smog, haze, or dense drift from other fires. Secretary of Agriculture Orville L. Freeman announced last week. The new detection method, known as Fire Scan, was utilized to detect more than 150 forest fires in Montana, Idaho, Oregon, and Washington during the recent forest fire emergency in the Northwest.

Combinations of heat sensing and electro-optical techniques are employed in the system, which uses an infrared scanner mounted to the belly of a

ner is coupled with a display unit which permits almost instant viewing of fires on a screen within the aircraft after a rapid film processing unit records the imagery.

The project, being conducted in cooperation with the US Department of Defense, utilizes a Convair aircraft loaned by the U S Air Force. The flying laboratory is headquartered at the Forest Service's Northern Forest Fire Laboratory, Missoula, Mont. Scientific leader of the program is Forest Service Electronic Engineer Stanley N. Hirsch.

Demonstrate the safest way to lift a heavy object from the floor. Get close to it, bend the knees, keep the back straight, and put one foot slightly ahead of the other. Don't be afraid to ask for help with heavy objects. Bending from the waist may cause a strained back or rupture.

● Smucker & Weaver

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Graybill, Stevens R1, was first. A list of the placings follows:
Angus, 1, Sheryl Weaver, 2, Sharon Weaver, New Holland R1; 3, Galen Yoder, Elveison R2, 4, Donald Bollinger, Denver R2, 5, Herbert Hess, Mt Joy R1; 6, Larry High, 7, Marvin Nissley, Mt Joy R1, 8, Karen High, 346 E Main St., Bareville, 9, James Weaver, Ephrata R1, 10, Ann Nissley, Mt Joy
Herefords, 1, Mike Smucker; 2, Richard Yuninger, 3, Linda Nissley, Mt Joy R1. 4, Judy Drager, Marietta R1 5, Jerry Hess, Mt Joy R1 6, Marion Reiff, Lutz R1, 7, Dale Hershey, Lutz R4, 8, Clark Stauffer, Ephrata R1; 9, Susan Graybill, Stevens R1, 10, Charlotte Hoffines, Marietta R1
Shorthorns, 1, Eugene Bollinger, Denver R2, 2, Linda Hess, Mt. Joy R1, William Buchter, Ephrata R1; 4, Ron Landis, 827 East Main St., Ephrata.