

## Growers face new soybean disease

GEORGETOWN, Del. — Powdery mildew, a relatively new disease on soybeans, has been identified for the first time on plants growing in Delaware.

The disease was found the third week of September on soybeans in research plots in the Georgetown area by a University of Delaware graduate student, Steve Leath. He recognized the symptoms and consulted his advisor, plant pathologist Robert Carroll for confirmation.

Laboratory analysis supported their diagnosis and the specific form of the fungus causing the outbreak was identified as *Microspheara diffusa*. Carroll says that in nine years of work in the state, this is the first time he's seen the disease on Delaware soybeans. Since the mid 1970's when it was first reported on U.S. grown soybeans, the disease has been found in four mid-western states Georgia and, very recently Virginia.

A check of varieties growing in Leath's research plots plus 38 lines in variety trials near Georgetown, Felton and Newark suggests that the outbreak is presently limited to lower Sussex County.

Leath says nine out of 38

lines checked were infected. In some cases, over 75 percent of the leaves of some varieties were covered with the white, talc-like growth which is the most obvious sign of powdery mildew.

Both Essex and Ware varieties were infected, as well as the green-seeded variety, Emerald. This is the first time that the disease has been found on Essex, a variety of considerable economic importance in Delaware.

It is also the first time powdery mildew has been identified on a vegetable soybean.

Carroll considers the presence of the disease to be the result of a naturally occurring infection. He says it is quite possible that it was introduced by windborne spores.

Powdery mildew is generally a late-season disease which is fostered by cool temperatures (below 70 degrees F). Its effect on yield depends on when it occurs. If plants are infected early, before podfill is complete, yields may be reduced. But if infection occurs late in the season after the crop is made, growers don't need to be concerned.

Because it does pose a potential threat to area

soybean production, Carroll advises growers to be on the lookout for powdery mildew on their beans next summer as early as late August. The condition is easily recognized because infected leaves appear to have been dusted with talcum powder.

In a related form, the

powdery mildew fungus infects many ornamentals, including lilacs.

Some soybean lines are definitely resistant to the fungus. If control becomes necessary, it is most effective through varietal selection, he says. Chemical controls are also available,

but should be used only if absolutely necessary.

The plant pathologist urges farmers to report to their county agent or ex-

tension plant pathologist Bob Mulrooney any incidence of the disease on soybeans next season, so that its presence can be monitored.

### JOHN P. HALPIN AND SONS INC. FARM MACHINERY AUCTION SATURDAY, NOVEMBER 22

11:00 A.M. - HENRIETTA, NEW YORK  
Sale to be held at the John Deere Dealership on Rt. 15, 4 miles south of Rochester, N.Y. at Thruway Exit 46.

To reduce inventory will sell:

#### TRACTORS

JD 8440D, JD 8640D, JD 8630D, JD 4440D, JD 4230D, JD 1020, 2-JD4020D, JD 4020G, JD 40G, JD 60G, 2 Case 1070D, IHC 706G, IHC 756D, IHC 300G, IHC Super MD, IHC HG, IHC BN G, IHC Cub G, Ford 3400 with loader G, MF 175D, 4 White 4 wheel drive D, Oliver 1465D, John Blue new G.

#### PLANTERS

1 JD 7000 6 row, 4 JD 1280 8 row, 2 JD 1250 6 row, 1 JD 1260 6 row W, 3 JD 494A 4 row, 1 JD No Till 6 row, 1 IHC 400 8 row, 1 IHC 58 8 row, 3 IHC 56 6 row, 1 IHC 400 4 row, 2 IHC plate 4 row, 2 AC 4 row, 1 Ford 4 row.

#### FORAGE HARVESTERS & CHOPPERS

3 JD Model 38, 2 JD 3800, 1 JD 35, 1 JD 34, 1 JD 16A, 1 JD Model 6, 1 JD Model 8, 3 Fox self-propelled choppers, 1 Fox 2 row pull type, 1 NH 818 2 row, 2 NH, 2 NH flail choppers, 1 MF 2 row chopper, 2 Papec 2 row choppers, 4 Papec 1 row choppers, 2 IHC 650 2 row choppers, 1 IHC flail chopper.

#### PLOWS

JD 2500 5 bottom, JD 2500 6 bottom, JD 2500 7 bottom, JD 380 8 bottom, JD 360 6 bottom, JD 350 5 bottom, JD 350 7 bottom, JD 2450 5 bottom, JD F145 5 bottom, JD F145 4 bottom, JD 1450 5 bottom 18 in., IHC 5 bottom spring reset, IHC 6 bottom spring reset; IHC 3 bottom fast hitch, MF 6 bottom 880 hyd. reset, MF 8 bottom 880 hyd. reset, AC 5 bottom semi-mounted, Ford 4 bottom semi-mounted, 2 Oliver 5 bottom hyd. reset.

#### BALERS

1 JD 346W, 1 JD 336W, 1 JD 216W, 2 JD 224 WS, 1 JD 214W, 6 JD 24T, 1 NH 275, 2 NH 78W, 1 Ford 532.

#### WINDROWERS & CONDITIONERS

1 JD 880 self propelled, 2 JD 800 self propelled; 1 JD 780 self propelled, 1 JD 1209 pull type, 1 Hesston PT 10, 1 Lamco forage wagon, 1 JD 214 forage wagon, 1 Farm Hand dump wagon, 1 NH blower, 2 NH 357 grinder mixers.

#### DISC HARROWS

1 JD 20 ft. 220, 2 JD AW wheel disc, 2 IHC wheel discs.

#### BEAN COMBINES

1 Model 44 Bidwell, 1 Lilliston bean combine, 2 Old Bidwells.

#### COMBINES

1-7700 D 4 wheel drive, 2 7700D, 2, 6600 G, 2, 4400G, 1-4400D, 2 - 40, 2 - 45, 3 - 55, 1 - 95, 1 - 105, 1 AC self propelled 3 row corn head, Model E-111, 1 NH 975 corn head and grain head, 1 Case 600, 1 Case 660, 1 MF-72 and 1 MF 26 parts machines, 1 JD 653 row crop head, 1 JD 453 row crop head, 1 JD 454 New row crop head, 2 JD 244 corn heads, 1 JD 343 corn head, 1 JD 334 corn head, 2 JD 335 corn heads, 1 JD 643 corn head.

#### CULTIVATORS

3 JD 4 row 3 point, 1 White 6 row 3 point, 1 JD 6 row 3 point.

#### DRILLS

1 JD FBB, 1 JD FB, 2 Ontario 16x8, 1 Case 15x8, 1 IHC 20x7.

#### HARROWS

2 JD 15 ft. roller, 4 JD spring tooth, 3 IHC spring tooth, 1 IHC 315 roller, 1 Dunham roller, 1 Brillion roller.

#### CORN PICKERS

1 IHC 234 2 row mounted, 1 Moline 2 row mounted, 1 NI 2 row picker sheller, 1 NI 702 uni-harvester, 4 row corn head sheller unit and combine. And other equipment.

Everything sells to highest bidder. No minimum prices. List of machinery is subject to additions and deletions.

TERMS: Cash or good check day of sale. Nothing to be removed until settled for.

Financing available from John Deere Credit Corp., by contacting Halpins prior to sale. No financing charges on used tractors, balers, combines, planters, tillage equipment until March 1, 1981. 25% down payment required day of sale. Phone No. 716-334-4150.

JOHN P. HALPIN & SONS INC.

HENRIETTA, N.Y. 716-334-4150

Harris Wilcox Inc.

Sale Mgrs. & Auctioneers

Bergen, N.Y. 716-494-1880



### WISE'S COUNTRY AUCTION

Saturday Evenings

Located 4 miles south of Strasburg, PA at the:

WHITE OAK

First Sale

**SATURDAY, NOVEMBER 22**

Garage and body shop tools, shoe shop, machinery & supplies, household goods and lots more to come.

Take advantage of our low introductory commission offer

We need Antiques, Household Goods, Tools, Etc.

Terms By,

**GEORGE H. WISE, JR.**

Elvin Sechrist, Auctioneer

For Consignments and information call

717-687-7018

If no answer 786-4289

## PUBLIC SALE

Valuable Dairy Farm

Along New Danville Pike, 2 miles south of New Danville, 1 mile north of Conestoga center, 5 miles southwest of Lancaster, 3 miles west of Willow Street.

**SATURDAY, NOVEMBER 29**

12:30 P.M.

App. 82 acres of land with 3 acres of woodland, 64 acres of tillable Chester Loam soil. Large bank barn app. 56x100 w/slate roof and 26 stanchions. 16x60 stave silo. Can accommodate 10 acres tobacco. 16x18 milk house w/500 gal. Dari-Kool milk tank. 14 HP diesel goes with farm.

2 1/2 story stone & frame dwelling. 7 rooms w/1 1/2 baths and full basement. 2 never failing wells. Road fronting on 3 sides of farm.

Terms by,

**JACOB S. GLICK**

J. Everett Kreider

Steve Petersheim, Aucls.

717-786-1545

Property can be inspected Oct. 1 and Nov 15 between 12:00 & 3:30.

Terms 10% down. Bal. April 1, 1981.

## THE FALL INVITATIONAL

At the Fairgrounds - Frederick, Md.  
**WEDNESDAY, NOVEMBER 19**

12:00 Noon

**65 HEAD OF REGISTERED HOLSTEINS 65**

50 Fresh or Springing Cows and Heifers - Plenty of Ready Milk.

10 Open Heifers and Heifer Calves.

5 Bulls - All with Good Pedigrees.

**A Few Samples:**

A VG Kinglea Total with 17,080M and 668F.

A Kingpin heifer bred to Jemini and due in December.

A Conductor bred to Cinnamon.

A Pencor who made 16,210M and 640F as a 3-yr. old.

An Astronaut who has 18,190M and 558F as a 2-yr. old.

A VG Coldsprings Elevation Quality with 17,210M and 626F.

A GP cow due about 2 weeks after sale with 27,720M and 930F.

A GP cow due after sale to Wayne with 21,730M and 835F.

A fresh Jerry daughter milking 75 lbs.

An Astronaut open heifer from a 21,864M dam.

The five bulls are all from high record dams and sired by Elevation (2) Conductor (2) and Creek.

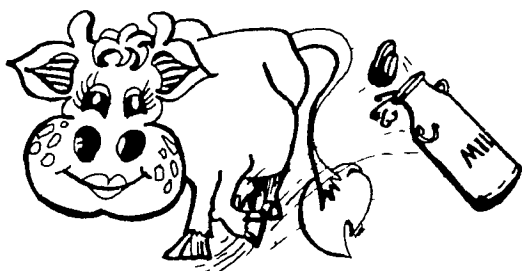
Featuring: A Fancy Elevation fresh with second calf after making 510F as a Jr. 2-yr. old from a dam who has 817F. She has a beautiful udder.

Sale Managed by:

**REMSBURG SALE SERVICE**

Jefferson, Maryland 21755

Ph. 301-473-8214



## BREAKING MILK RECORDS!

Lancaster Farming Carries  
DHIA Reports Each Month!

## PUBLIC SALE

**SATURDAY, NOVEMBER 15**

10:00 A.M.

### HORSE DRAWN FARM MACHINERY & LIVESTOCK

Located in Lancaster Co., PA 2 1/2 miles east of Strasburg, 3 miles west of Georgetown, along Rt. 896 watch for signs.

#### LIVESTOCK, HOGS, MULES & HARNESS

Approx. 80 head of hogs, Yorkshire and Hampshire cross, Landrace and York Cross, approx. 40 bred sows, approx. 15 open sows and gilts, all young sows, less than 4 litters, approx. 40 feeder pigs 4-5 weeks old. Vaccinated. An opportunity to buy clean hogs, 2 odd mules, 7 yr. old, Sorrel 10 yr. old gray, well broke, 4 sets of Heavy Harnesses, bridles, collars, 2 sets of check lines, single and double trifle, 4 horse trees.

#### FARM MACHINERY & HOG FEEDERS

2 way McCormick Deering plow, 14 in., Oliver 2 bottom 12 in. radex trailer plow, 2 disc harrows, 1 for repairs, 2-3 section spring tooth harrows, 10 ft. steel field rollers, NI No. 10 manure spreader, smoker elevator, McCormick Deering 2 horse cultivator, 2 single shovel harrows, JD corn planter, 2 single tobacco ladders, shears, spears, tobacco ladder on gears, approx. 6000 tobacco lathes, JD 4 bar ride rake, aluminum ext. ladder, 2 pig waterers, 2 Hog feeders 16 & 18 hole, 2 round hog feeders, 200 lb. capacity, roof coating and paint, 20 pieces 1/2" 21 ft. pipe, new, electric fences, many items too small to mention, wagon load, copper kettle, Caloric gas stove nice condition.

Terms by

**EPHRAIM & SUSIE BLANK**

Auctioneers

Steve Petersheim

Everett Kreider

Lunch on Premises