

Bio-Tech Workshop Held For Ag Teachers

EVERETT NEWSWANGER
Managing Editor

QUARRYVILLE (Lancaster Co.)—To bring new agricultural technology to the classroom, Pioneer Hi-Bred International and American Cyanamid held a joint education workshop for agricultural teachers at the Pioneer research station.

"Industry is working in education directly with teachers," said Frederic Stillwagen, education consultant, for American Cyanamid. "We are providing information to make teachers and students aware of the disciplines that are needed for the job market when they graduate from school."

Stillwagen said bio-technology is so fascinating that when put into agricultural education, it can motivate students in the ag sciences. He said there are many jobs available and we need graduates in ag sciences to enter the new world of bio-technology.

In addition, Stillwagen said bio-tech can help bridge the gap between people in rural and urban settings. "People are scared of ag bio-tech because they only read about the negatives," Stillwagen said. "Ag bio-tech is really very positive and very fascinating for the inquiring mind."

Terry Williams, Pioneer Hi-Bred plant breeder and station manager at New Holland, said Bio-tech is not new to the plant breeder, but in the past the whole plant was used to develop new hybrid plants. With the new technology, plant breeders are able to select traits by individual genes to increase the chance of success.

And with this new technology, Williams believes they can bring new life into many ag education programs. "Incredible changes have taken place in the world," Williams said. "All of a sudden we will soon be a global agriculture. And with all the agricultural advances we will need to feed more people and deal with the poor interstructures of these other countries. And we need help; we need these young students with scientific minds."

"Many of the ag education programs in the high schools are dying on the vine for lack of money and support. We need to wake them up and build the science end of the bio-tech knowledge.

Williams said in the near future the corn industry will generate specific varieties for different segments of the market. The poultry industry or the candy industry would be examples. Williams called these identity preserved (IP Corn) segments.

In IP corn, seed must be kept separate, and no cross pollination in the growing fields allowed. Separate harvesting and storage must also be assured.

Joe Mayer, Pioneer Hi-Bred, said the benefits from bio-tech to agriculture would be sizable. In the mid-1990's he expects the first generation of herbicide, disease and pest-resistant varieties to be available. By the end of the 1990s protein enhanced and starch modified varieties should be available, and later, more yield and maturity changes should be made.

Tom Creswell, manager, Quarryville station, said students are needed to work into the new field of bio-technology. And he said they hope to hold annual educational workshops for teachers if response from ag teachers is positive.



Ag education teachers in outdoor classroom at research center.

4 LIFT TRUCKS - 25 TRACTORS - 12 TRUCKS - 9 PICK-UPS - IMPLEMENTS NURSERY EQUIPMENT

• AUCTION SALE •

After over 100 years of business, Buntlings' Nurseries is going out of business and will sell all the following equipment at Public Auction:

Saturday, August 17, 1991
Beginning at 10:00 AM

Rt. 54 - Williamsville, DE (near Fenwick Island, DE)
(On Delaware Atlantic Coast)

*This is an all day sale. Beginning at 10 AM with shop equipment.
Tractors and trucks to be sold at 12 Noon.
We will be running 2 auctioneers part of the day.*

LIFT TRUCKS

(2) Hyster H25XL Pneumatic tire lift truck 3300 lb., 130" lift, propane, 3000 hrs. Exc Cond; Yale tow motor model G52-3024, 3000 lb lift, pneumatic tires, 2 stage; Yale forklift, gas, 3000 lb. pneumatic tires.

FARM TRACTORS

Ford 7600 tractor w/ropes; Intl 1066 w/cab TA 5299 hours, dual remotes; Massey Ferguson 1100, year round cab, 6200 hours, 18.4x38, SN 29230, dual remotes, tires, good; Ford F3000 gas tractor w/front end loader, 2600 hrs. excellent; Farmall 140 w/59" woods mower 12 volt; Intl 504 Gas Tractor w/Prentice TMS 82 hydraulic loader; Farmall Super C w/cultivator, very good; Intl 444 Diesel tractor w/loader, PS, exc cond, Ford 8000 tractor; Intl 656, diesel, good; Intl 756, diesel, good; Ford Jubilee 1953, new paint, exc; Ford 8N, new paint, exc; Intl 404 gas w/11 2x36 tires and cultivator; (3) Farmall 140 w/new paint 12V & 6V w/cultivator, exc.; (2) farmall 504 HC Clearance w/14.9x38 tires, cultivator; Cub Cadet 125 Hydro, no mower; (2) Farmall 340 gas.

TRUCKS

1982 Ford L-700 w/375 V-8, 5x2, new motor, has 16' body, hydraulic tail gate; 1974 Ford B-700 School Bus; 1976 Intl 1600 Schol bus w/345 engine; 1971 Dodge 300 w/10' body with 4 speed; 1970 Intl 1600 w/4x2 trans w/4' dump body; 1974 Dodge 500 w/15' metal floor body w/hydraulic tail gate; 1955 Ford F-350 w/9' dump body, V-8; 1977 Ford L-600, 5 speed w/20' Morgan Body w/hydraulic tail gate; 1968 Intl 1600 w/4x2, 12' dump; 1968 Intl CO-4000 tandem truck tractor w/diesel cab over; 1971 Ford F-600 w/14' metal floor; 1960 Ford 600 w/16' body 5x2 trans.

PICK-UP TRUCKS

1984 Chevrolet C10 PU, 4WD, Auto; 1983 Ford F-150 auto, PS, 111,000 miles; 1981 Chevrolet C10 4WD w/117,000 miles; 1980 Ford F-150 auto, 119,000 miles; 1979 Ford F-150 4WD w/77,000 miles; 1978 Ford F-150 4WD w/123,000 miles, good; 1976 Ford F-150 auto, 79,000 miles; 1976 Ford F-250 4WD, 130,000 miles, auto; 1965 Ford F-250 4WD, 3 speed, 352 V8.

NURSERY EQUIPMENT AND IRRIGATION PIPE

Case 350 Hi Clearance Crawler w/tree and shrub cutter and lift blade, diesel; Case 310 gas high clearance crawler w/tree and shrub cutter and lifter; Hendrix & Dail Plastic Machine w/glue and fumigation attachment up to 10' plastic; 4-row Milton planter by Harbison Paine, small seed for asparagus; (2) Homemade PTO Strawberry Plant Diggers 34' bar; Homemade PTO Asparagus Digger 34' bar; Small Blossom tractor by Friday, tractor with 2 peoples, Wisconsin engine; Irrigation pipe, Wade Rain 6", 5", 4", 3" -- 40' and 30'; (2) Holland 4 row transplanters; Irrigation Pump w/4 cyl Wisconsin Engine 4x3 pump; Holland 2 row transplanter; Gas post hole digger; Dyna Digger power

spade; FMC PTO Sprayer; 24' belt conveyor w/2" belt; (2) 93' plant cleaning table w/23 1/2" plant belt and 2 trash belts; 150 stools; Nursery Compress ball machine, hydraulic; Mulch shredder; Platform Scales; Large quantity of rakes, shovels, pitch forks, hoes; 5 better pack 555S electric tape machine; 8-10 wooden work table; Trainer postage scales; Staple guns; 3 boxes staples; 10 hand carts; Boxes (14x9x6) (10x10x6) and assorted sizes; 4 lg. coal stoves; 3500 greens crates (new); 10 Wooden ladders; 1000's plastic bags; Wheelbarrows; String and burlap.

IMPLEMENTS

(3) Ferguson 10' chisel plow; JD 6x16 plows; Intl 4x16 pickup plows; Intl 4x16 semi-mount plows; MF 5x16 plows; 18.4x34 power adjust wheels; 2 wheel tilt body wagons; Pittsburg 40 blade disc; Intl 28 blade disc; (3) Intl 330 4 wheel wagons, 13' metal floor bodies; (2) Wheel 10' wagons; Ford 24 blade pickup disc; Custom built tandem axle trailer w/15' deck and ramps; Intl 510 drill, 21 spout single disc opener; 300 gal. tank sprayer; 2 compartment fuel tank; 300 gal. Fiberglass tank, Sickle bar mower, fit 444; Bush Hog, offset, parts only; 3 pt. 200 gal. sprayer; Intl 4 row tool bar cultivator; Wesco 4 row S-tine cultivators; Intl No. 10 grain drill; Pittsburg 400 blade disc; Kewanee 40 blade disc; Plastic machine up to 10'.

SHOP

1/2 ton floor jack; Pumper jack; Air grease gun; Valve grinder; Solar 230 amp welder; Jack stand; Floor jacks; (2) cutting torch outfits; Vise; Grinder; Craftsman 260 welder; 2 HP Air compressor with tank; Manual tire changer; C-P Air 1/2" impact; B&D 1/2" HD drill; Battery charger; Rockwell 10" band saw.

Directions: From Wilmington, DE and points North: Take U.S. Rt. 13 South to Dover. South on Rt. 113 to Selbyville, DE. East on Rt. 54 approx. 4 miles. Auction on right. **From Baltimore, MD area and points West:** Take U.S. Rt. 50 east through Salisbury, MD. Approx. 15 miles to Rt. 610. Left on Rt. 610 for approx. 6 miles. Turn left (North) on Rt. 113. Go 2 miles. Turn right on Rt. 54 East approx. 4 miles. Auction on right. **From South:** Take Rt. 113 North to Selbyville, DE. Take Rt. 54 East 4 miles to auction site.

Terms: Cash or good check on day of sale.

PETE RICHARDSON AUCTION SALES
P.O. Box 51, Willards, MD 21874

Public Auction Register

Closing Date Monday 5:00 P.M.

of each week's publication

JULY

TUES. JULY 30 - 10AM,
Housewares, Hardware,
Clean. Supplies, Ladies
Clothing, Toys, Office Sup-

plies, Spices, Herbs, Vita-
mins & Candy, located on
premises 1825 E Boston
Ave., Phila., PA, Wm. F.
Comly and Son, Inc.,
Aucts.

AUCTION

SAT., AUGUST 3, 1991
9:00 A.M.

**FURNITURE, GLASSWARE,
ANTIQUES & HOUSEHOLD GOODS**
Located at Ronks Fire Hall along North Ronks Rd. approximately 5 miles east of Lancaster, PA between Rt. 340 & Rt. 30 East (Turn north on Ronks Rd. at Turkey Hill Market along Rt. 30 east).

FURNITURE SOLD AT 11:00 A.M.
VICTORIAN DECORATED COTTAGE DRESSER W/MIRROR & BRASS PULLS-NICE: plant stands; cedar chest; 4 cane seat chairs; Milesian Wedgwood chamber pot & lid; E. Hone pitcher & bowl in blue; **EARLY 4 DRAWER CHEST OF DRAWERS W/COLUMNS;** decorated hankie box; German painted dishes; card table; electric fan; **NICE EARLY DECORATED STONEWARE PITCHER;** Kelvinator chest freezer; nice pull out sofa sleeper; record player; records; Victorian side table; nice decorated walnut Victorian mirror; G.E. air conditioner; table & floor lamps; hassock; pictures; clean single bed & mattress; **WALNUT MARBLE TOP VICTORIAN TABLE;** Singer electric sewing machine in cabinet; walnut picture frame; **2 DECORATED PLANK BOTTOM CHAIRS;** wardrobe w/drawers; ironstone tureen; redware teapot; tin tea container; small agate coffee pot; canister set; lemon squeezer; tin decorated tray; **DROP FRONT GLASS TOP SECRETARY DESK IN WALNUT W/ DRAWERS & 2 DOORS;** mirror; blue decorated dishes; bud vases; pink & green depression vases; Japan vase; Teardrop glass pitcher; German vase; hand blown vase; Corning ware; measuring cups; **LEAD GLASS paneled shade w/IRON BASE-NICE;** Warwick pitcher; celery dish; crockery bowls; etched glasses & goblets; toaster; double boiler; agate teapot; **BLUE DECORATED CROCK;** 2 cruets; toothpick holder; cake stand; salts; decorated pitcher; linen & doilies; blue German cups & saucers; Electrolux sweeper; **FLORILLA TEAPOT, PITCHER & 4 PLATES;** sewing basket; tin cup; glass front china w/doors on bottom; small blanket box; early tin spice set; **BUTTER SCALES W/Scoop & WEIGHTS;** goblets; fancy cup & saucer; Neapolitan blue decorated pitcher; **DOUGH TRAY;** pressed glassware; etched glasses; fluted dishes; meat platters; creamer & sugar; green basket weave dish; salts & peppers; gold band glasses; **ROGERS BROS. SILVERWARE;** pots & pans; agate bucket; pin cushion doll; bookends; Hull Vase; G.E. mixer; agate colander; glass basket; tin trays; **TRAIN GLASS CANDY CONTAINER W/DECAL-NICE;** cobalt eye glass; creamers; egg cup; fancy pitcher & glasses; old books; small & large sod iron; powder horn; match holder; gate leg drop leaf table; covered dish; Fancy oak back captains chair; **5 NICE SPINDLE BACK CHAIRS;** 2 door G.E. refrigerator; utility stool; salt crock; carnival dish; Blue cobalt salt & pepper; Ironstone plates; German saucers; **12 HEISEY PUNCH CUPS;** compote; mantle clock; dish pans; punch bowl set; roaster; canners; coffee pot; towels; plus more.

NICE CLEAN AUCTION TO ATTEND.

TERMS: Inside Fire Hall
Cash - No Out of State Checks.
Good food available by fire company.
All statements made day of auction take precedence over all previous advertising.

OWNER
Ruth M. Lefever
93 North Ronks Road
Ronks, PA 17572

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RON FUNK AU-314-L Paradise, 442-4279
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