

Sale Reports

The first consignment auction of the year was held by Goodrich Auction Service, Newark Valley, N.Y. About 400 persons attended.

Over 20 tractors, 15 trucks, and 100 other pieces of equipment were sold. Prices were strong and the weather was fine. Auctioneers were Ed Goodrich, Jr.; Howard Visscher; Roy Teitworth; and Tom Conhey. Buyers and consigners from Canada, New York and Pennsylvania were present.

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A Public Sale of Holstein Dairy Cattle and Farm Machinery was held January 16 by Merle C. and Minnie C. Eigenbrode, 2½ miles northeast of Waynesboro, Franklin Co., Pa.

The top price for a cow was \$3025, 2nd was \$2550 and 3rd high was \$2300. Nine

week to 6 month old heifers \$500 to \$610 and 8 to 10 month old heifers \$800 to \$890.

Other prices were: J.D. 2-B Plow \$590, Case Tractor & 2 row Picker \$2400, Welsh Trailer Sprayer \$380, Grove Wagon \$1625, Hesston Haybine \$3800, Int. 4-row Corn Planter \$2150, N.I. Manure Spreader \$1300, old 1-row Potato Digger \$195, 2 Iron Butcher Kettles \$75 & \$100 and 2 Snout Hooks \$18 each.

Auctioneers were Edgar J. Stull & John Downin.

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A Public Auction of farm equipment was held January 18 by Jer-Lynn Farms, 10 miles northwest of Fogelsville, Lehigh Co., Pa.

Two large items sold were J.D. 4240 Tractor w/Quad. range \$23,000 and J.D. 7000 4 row Corn Planter w/seed monitor, soybean & insecticide attach. \$7,200.

Conducted by Ralph W Zettlemoyer Auction Co.

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A Public Sale of very fine antiques was held at Redding Auction Service, 3 miles north of Gettysburg, Pa on January 19th. The sale for the Losh A. Grove Estate, 10 Center Square, New Oxford, Pa. was attended by 800 to 900 people who came from 8 different states.

Some items were. Small Chippendale Desk (restored) \$3400, Grandfather Clock \$5600, Farm Tables \$775 to \$1800, Chippendale Chest of Drawers \$810 to \$2650, Blanket Chests to \$680, Valet Mirrors \$140 to \$260, 6 cane-seated Chairs \$450, 1 & 2 Drawer Stands \$115 to \$350, Tilt-Top Stands to \$870, Mixed Wood Corner Cupboard \$2225, Folding Top Tables \$475 to \$625, Set 4 Windsor Chairs \$1240, Windsor Side Chair \$460, R.S. Prussia Bowl \$1075, 6 Adams Plates, \$330, Brass Buckets to \$135 and Oriental Rugs to \$2750.

C. David Redding was the auctioneer.

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A Public Land Auction was held January 15 by Baldwin & Merkel, adjoining the borough of Kutztown and Kings Shopping Mall, Berks Co., Pa.

The 115 acres of open land without buildings containing 1000 feet fo road frontage was sold for \$387,000.

Sale conducted by Ralph W. Zettlemoyer Auction Co.

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A Public Sale of trucks, mechanics, electricians and plumbers tools was held January 19 by J. Richard Hummer, 1730 W. Main St., Ephrata, Lanc. Co., Pa.

Some items sold were: 1970 Chev. Pickup Truck with snow plow \$2860, Lathe including parts and workbench \$1100, Acetylene Torch & Tank \$450, Hydraulic Drill Press \$580, Black & Decker Rotary Hammer \$235, Electric Chain Hoist \$270, Electric Welder \$160 and High-Powered Washer \$140.

Auctioneers were T. Glenn & Timothy G. Horst.

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A Public Sale of shop equipment and farm equipment was held January 15 by Henry U. & Barbara S. Stoltzfus, between Morgantown and Churchtown, Lanc. Co., Pa.

Prices received were:

Pros and cons of farm-grown fuels

OCEAN CITY, Md. — Farmers attending the recent Delmarva Corn Technology Conference in Ocean City, Md., got some cautionary advice from several speakers on the production and use of alcohol for tractor fuel.

Speaking about on-farm production of alcohol, John W. Gird, University of Maryland extension agricultural engineer, warned corn farmers not to get carried away with the idea of producing their own fuel.

One bushel of corn gives you 2.6 gallons of alcohol, said Gird. But whether or not it pays you to convert your corn to ethanol will depend on many factors, including the cost of corn as grain vs. the cost of ethanol, gasohol or diesel.

"An on-farm alcohol production system isn't practical," he added, "unless you consider using materials such as wheat and other grains, potatoes, sugar beets or molasses, as well as corn."

The specialist also warned that the cost of installing stills is extremely high — as much as \$85,000.

N.H. Grass Mower \$1100, Iron Worker \$3200, Portable 200 amp Welder \$200, Diesel Power Unit \$1800, Anvil \$160, Drill Press \$225 and 20 ton Alfalfa Hay \$66 per ton. Elton & Alvin Horning Auctioneers.

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A Public Sale of farm equipment was held January 17 by Clifford E. Groff, along Prescott Road, S. Lebanon Twp., Leb. Co., Pa. There was a good attendance at the sale.

Some prices were: Int. 756 D tractor \$9000, J.d. 7000 4-row Corn Planter \$5800, IHC 510 Drill \$3100, Ford 3000 D Tractor \$2700, Int. 650 1 row Harvester \$3000, J.D. 336 Baler \$4450 and Hobart Electric Meat Slicer \$385.

Auctioneers were Buf-fenmeyer and Hartssock.

A few farmers around the country are gambling on some of these systems, but with on-farm distillation technology still in the developmental stage, it's possible that some of these systems could soon become obsolete.

Another thing to consider is the fact that farm-produced alcohol is lower in quality because it is less pure than the commercial product.

Gird recommends experimenting with a small, trial still first before you invest any big money in a large-scale system. Also see how your farm machinery performs with alcohol. Some systems need considerable modification to be able to burn alcohol.

Whether or not you brew it yourself, think twice about using alcohol as a diesel substitute in your tractor, cautioned another Corn Conference speaker, Louis I. Leviticus of the University of Nebraska's tractor test lab. Gasohol and ethanol don't mix well with diesel.

For one thing, injecting ethanol into the manifold of a naturally aspirated diesel engine means you won't get all the power you want at full throttle because ethanol displaces oxygen in the combustion chamber, causing incomplete fuel combustion.

Mixing ethanol with diesel fuel also decreases the lubricating qualities of diesel fuel, notes University of Delaware agricultural engineering research associate Jim Kemble.

This can cause premature failure of the fuel injection pump and fuel injectors on both naturally aspirated and turbocharged diesel engines. Either ethanol or gasohol will also cut your diesel fuel so you get less BTU's per gallon.

This is usually no problem at partial throttle, partial load, but it means you won't get all the power you want on full throttle, full-load operations.

Besides questioning the use of alcohol with diesel fuel in tractors, Leviticus had some words of warning about the many so-called fuel-extending gadgets on the market today.

Most of these items are quite unworkable, he said. Take fuel heaters, for instance. The fact is, heating does not substantially improve the energy content of your fuel. On the contrary, for every 10 degrees increase in fuel temperature, you reduce your maximum power by one percent.

Also, beware of add-on superchargers and turbochargers. They may increase power past design limits and cause damage to engine and drive train components.

The best way to save fuel, advised the tractor lab director, is by more efficiently matching your implements to your tractor and running it at the proper speed for the particular farming operation being done.

Gearing up and throttling down can sometimes give you a 30 percent fuel savings.

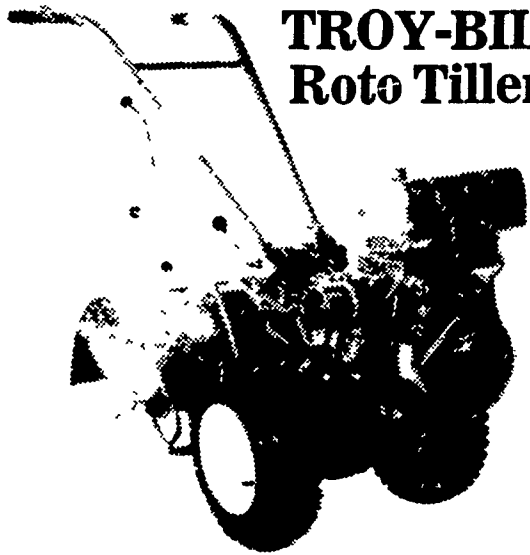
Farmers in the market for a new tractor should get all the energy data they can before making a choice. And don't forget to look into the oil consumption record of different pieces of equipment.

Reports on tractors tested at the University of Nebraska's lab are available on request for about 15 cents plus postage. Compare reports on your old tractor with new ones on the market. Using this available energy data can save you lots of money, Leviticus said.

Farmers interested in obtaining these reports should write to: University of Nebraska Tractor Test Laboratory, Lincoln, Nebraska.

Besides reports on individual tractors, summary booklets are available covering in less detail all units tested during a given year.

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