

## Fall Tillage Alternatives

When deciding what fall tillage is necessary on your farm, an agronomist suggests considering cost, soil erosion control, and effects on next year's yields. Bill Arndorfer, regional agronomist for DeKalb-Pfizer Genetics, says unless you have a clear reason for performing the tillage operation don't do it.

No-till offers maximum soil protection and least cost, Arndorfer continues. "Conservation tillage offers less soil protection and costs more than no-till but may be necessary on some soils. Conventional tillage offers the least soil protection and most cost but also may be necessary."

No-till requires extra attention to management to maintain productivity, Arndorfer continues. No-till is strongly recommended for soybean land.

Leaving the soil surface undisturbed will greatly reduce the likelihood of wind and water erosion he says. "Delay tillage operations until spring, unless there is a potential for severe yield reduction with spring tillage."

Arndorfer observes chisel plowing and deep disking are the most common types of conservation tillage used when fall tillage is necessary. Both types

incorporate up to two-thirds of the crop residue but leave the soil surface rough.

The remaining surface residue and roughness help minimize erosion. "Deep chiseling or V-ripping can help to break up compaction where it is a problem but should only be performed when fall soil moistures are low," Arndorfer states.

"Moldboard plowing or conventional tillage is primarily practiced only on these soils that are extremely heavy and very slow to warm in the spring," he observes.

Moldboard plowing is not recommended for sloping fields or highly erodible soils Arndorfer continues. Moldboard plowing incorporates nearly 100 per cent of the crop residue leaving the soil surface bare and prone to wind and water erosion

The DeKalb-Pfizer official recommends moldboard plowing after four to five years of no tillage if yields have been declining on that field due to the stratification of nutrients.

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Snow plow to fit Farmall M or H tractor, complete w/cylinder, \$300.; Old saw buck, \$100. Schuylkill Co. 717-386-4091

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Ni 214 spreader, \$525.; Starline spreader, left hand, \$395.; Chev. 30 all or parts, \$400.; Athens #131 13" disc, \$1,050. Berks. 215-944-7529

200 amp welder w/LeRoi engine, good condition, \$100. Also 2 10KW generators, 110 & 220. Lanc. Co. 717-354-5489

Franklin wood stove, \$35. Lanc. Co. 3518 W. Newport Rd., Ronks, Pa. 17572. 717-768-8685.

Rapid electric meat grinder, \$100. Lanc. Co. 717-529-6286

Martin houses, 14 holes, \$45.; 18 holes, \$50.; 22 holes, \$55. Also wooden mailboxes. John L. Stoltzfus, Box 14, Broad St., Honeybrook, Pa. 19344. Chester Co.

Jepson 12" table saw w/air motor, including 12" carbide tipped blade, \$250. Ira Stoltzfus, Sr., 326 Spring Garden Rd., Kinzer, Pa. 17535.

1 new carriage harness, 2 pony saddles, 1 horse saddle. Also riding bridles. Norman Shirk, Ligalaw Rd., R.D.2, Box 2863, East Earl, Pa. 17519 Lanc. Co. 215-445-4709

Used 10KW Winco generator, 2 bearing, real nice. Lanc. Co. 717-656-3322

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2 DeLaval milkers w/lo view claws. Also electric pulsation controller. Franklin Co. 717-532-3278

8N Ford heavy duty loader, hyd. bucket, dirt and manure buckets, new tires, 3 pt. hitch, excellent condition, \$3,000. Monroe. 717-992-2963

Portable 220 electric heater, \$30.; Portable 110 electric heater, \$13.; Merrow machine w/table and motor, \$200. Berks Co. 215-488-7423

Angus cows bred for Spring calves, preg. checked safe. Lebanon Co. 717-933-8274

JD 2010 crawler loader w/backhoe, JD 310 backhoe. Atlantic Co., NJ. 609-561-2332

3 yr. old Suffolk Ram, Proven, \$75.; Oil space heater, \$10.; Doll cradle, new, \$20.; Doll house. Lanc. Co. 717-656-8398

Ford V8 flathead, in good condition, out of boat, \$200.; 1000 once fired 30-06 factory brass .10 each. Berks Co. 215-683-3827

Potato bags, 20 lb., .10 each. Lehigh Co. 215-395-1213

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3 pt. scraper blade, heavy duty reversible, 5 position, \$100. Lancaster Co. 215-286-5012

Egyptian Geese, 3-5 yrs. old, \$25. each. Also Domestic ducks and geese. Jesse Boyer, R.D.2, Kutztown, Berks Co., Pa. 215-683-8426

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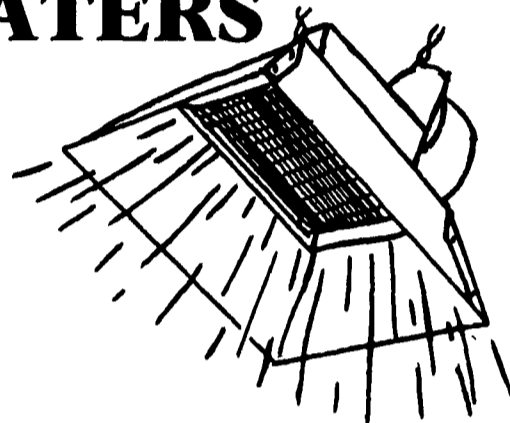
4 Big Dutchman broiler feeders, 1000' trough and chain, each w/power lifts. Daniel Beiler, 78 S. Maple Ave., Leola, Pa. 17540. Lanc. Co.

Top buggy, good shape, \$700.; Sorrel work horse, 4 yr. old, broke. Jonas M. Hoover, R.D.1, Reidenbach Rd., New Holland, Pa. 17557.

9 yr. old standardbred mare, her 2 yr. old colt, good road horse. Elmer King, Mast Rd., Narvon, Pa. 17555. Lanc. Co.

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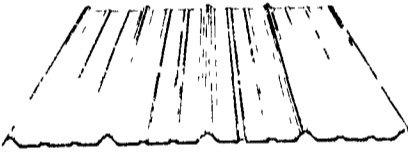
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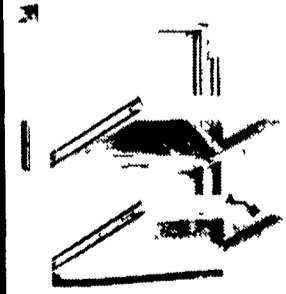
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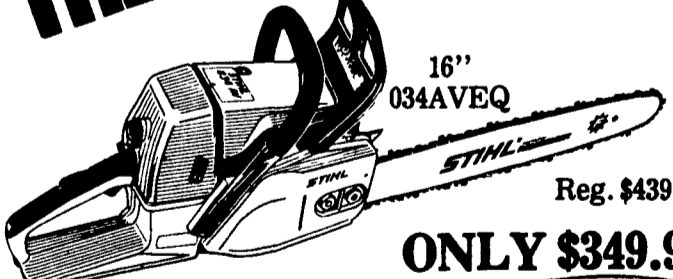
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