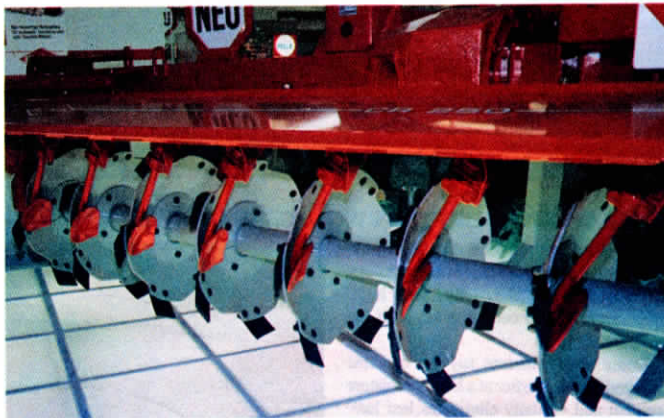


Latest New Products, Ideas From Europe

EDITOR'S NOTE: Featured here and on following pages are "best of the show" new products and ideas that caught my eye while covering the recent DLG Farm Show in Frankfurt, Germany and the Royal Smithfield Show in London, England. The DLG Show, held every other year, attracts nearly 300,000 visitors from over 100 countries to view 1,100 exhibits. The Royal Smithfield, considered the premier "business" farm show in England, also attracts visitors from all over the world who travel to the show to view the latest in new products and ideas and visit with the biggest manufacturers and distributors in Europe.

Mark Newhall, Editor



Pto-Powered Rotary Plow

Kuhn's new pto-powered "all-terrain" rotary plow attracted a lot of attention at the DLG Show in Germany.

It was especially designed for use in difficult soils where traditional moldboards have problems penetrating, such as in hard, compact ground or in muddy, slippery clay soils where tractors would slip. Because the driven plow discs turn in the direction of tractor travel, it requires only minimum drawbar power, greatly reducing tractor wheel slip, according to company representatives.

The 8-ft., 2-in. wide plow works down to 11 in. Working depth is controlled by two gauge wheels. It's fitted with 8 concave discs, each of which is equipped with 5 teeth fitted to the edges. The discs measure 2-ft., 6 in. in dia. The plow can also be fitted with curved, roto-tiller type tines in place of the

concave discs and teeth.

Requires a 1,000 rpm pto and the plow's gearbox has interchangeable pinions which let you vary speed of the plow rotor from 94 to 194 rpm's. Works at field speeds up to 4.5 mph. Requires a minimum 110 hp. tractor.

The company says the plow was developed in part because of new laws in Europe that outlaw straw burning. "It does a better job incorporating residue evenly into the top soil, speeding up decomposition yet leaving a protective surface mulch, reducing erosion," says a representative, noting that the new rotary plow has not yet been introduced in the U.S.

Contact: FARM SHOW Followup, Kuhn Farm Machinery, Inc., P.O. Box 224, Vernon, N.Y. 13476 (ph 315 829-2620; fax 315 829-2270).

Portable Grain Aerator

Here's a nifty grain aeration idea that originated in Denmark - a 6-in. dia. screw-in portable aeration tube equipped with a 1-hp. electric-powered squirrel cage fan that'll aerate 3,000 to 4,000 bu. of grain.

It's about 9 ft. long and is made out of perforated metal with a spiral bar wrapped around it that acts as a screw. The motor and fan clamp to the top of the tube.

To screw into a pile of grain, you take the motor and fan off and attach a handle to the top of the tube and simply screw it down into the grain. Once it's in place, you clamp on the fan. Can be used in the back of a truck, in a pile on the ground, or in a grain bin. The manufacturer says it'll aerate grain as deep as 20 ft. below the bottom of the tube.

Sells for about \$750.

Contact: FARM SHOW Followup, Crucus I/S, Borum Møllevej 31, DK-8471 Sabro, Denmark (ph 45 86949266).



Dual Wheel Hauler Trails Behind Tractor, Combine

European farmers operate much of the same big equipment found in North America but they have to deal with much narrower roads. A German manufacturer's new trail-behind dual carrier transports duals to the field where they can then be quick-attached to the tractor or combine.

The dual carrier consists of an axle with a hub on either end fitted with quick-tach clamps. Once duals are attached, it pulls down the road like a 2-wheeled trailer and its long tongue can be hooked to the back of a combine, tractor, or field implement.

To dismount the duals when you reach the

field, you just back up and the duals lift up onto a built-in stand that holds them just above the ground. The stand can also be used to store duals.

The rig handles wheels from 26 to 40-in. dia. and is fitted with road lights. Sells for about \$1,400. The company also makes quick-tach dual clamps.

Contact: FARM SHOW Followup, Grasdorf Rader, Metallbau Grasdorf GmbH, Ziegeleistrasse 29, D-3201 Holle/OT Sottrum, Germany (ph 050 622900; fax 050 622020).



Sloped-Down Hoods Catching On Fast

Sloped-down tractor hoods, which FARM SHOW first told you about nearly two years ago (Vol. 14, No. 3) when a Norwegian farmer came up with the idea, are catching on fast with major tractor manufacturers all over the world.

At least five tractor manufacturers exhibited models with sloping hoods at the recent DLG show in Germany, including Massey Ferguson and Ford.

Cutting down hoods increases forward visibility, which is especially handy with front-mount equipment. The idea originated with air-cooled Deutz tractors, because they don't have an up-front radiator, making the conversion easy. Deutz has come up with its own factory sloped-down models but now other manufacturers are sloping the hoods on water-cooled, gas engines by relocating the radiators and other

up-front components.

MF's new 85-hp. 3065 "Datatronic" tractor, which was shown at the DLG show but won't be on the market until February, 1992, has a water-cooled engine. It features a new-style radiator and air filter and costs about \$1,500 more than non-sloped models.

Fiat, Landini, Same, Steyr, MF and Ford noted their success and have followed up with their own designs. Ford is the first manufacturer to sell a sloped-hood tractor in the U.S. with the introduction of its new tractor series late last fall. In addition, some company dealers are making their own conversions.

Deutz officials, who brought out the first sloping hood tractors in 1990, say 25 percent of its new tractors sold in Europe now sport the new sloped design. The company has four sloped hood models on the market.