

New Products From Europe

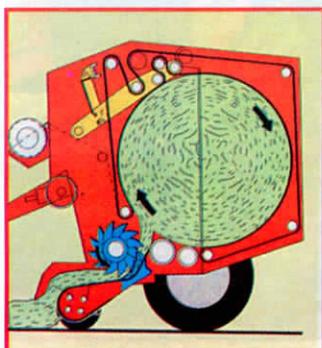
FARM SHOW covers all major farm equipment shows in the U.S., Canada and foreign countries. Recently, Associate Editor Bill Gergen traveled to the SIMA Show in Paris, France. Some of the new products that caught his eye are featured on this page. More than 2,000 exhibitors attracted hundreds of thousands of showgoers from around the world. SIMA is held every other year, usually in early March. The next show will be in 1997.

New Round Baler Makes Bales "Backwards"

The new Welger RP rolls chopped forage in the opposite direction as conventional balers, keeping the belts in contact with the upper - and drier - side of the windrow so they stay clean and don't plug up.

The problem with new round bales that chop hay on-the-go, as it enters the bale chamber, is that it often gums up the belts. The Welger baler has a chopper mounted right behind the pickup. Chopping hay and straw makes denser, heavier bales. High-moisture forage bales are usually bagged or wrapped.

A pto-driven gearbox is used to split the power drive system between the bale chamber and the chopper. If the chopper ever plugs up, the operator can reverse the direction of the chopper head without affecting the bale chamber. Hydraulic tighteners are located in the space between belts to improve the lateral seal. The bale tying chassis is mounted on a sliding drawer sys-



tem making it easy to access at operator height without the need for a step.

Contact: FARM SHOW Followup, Welger Mfg., Gebrüder-Welger-Strasse, Wolfenbuttel, West Germany D-38304, (ph 05331 404-0; fax 05331-404-203).

Sensors Keep Fertilizer Rates On Target

This first-of-its-kind precision metering device lets you precisely control spreading width of spinner-spreaders right from the tractor cab.

It consists of two electro-acoustic sensor rods that hang behind and to either side of the spinner disc, and an in-cab electronic control box. Scientists have analyzed fertilizer spread patterns over a wide variety of fertilizer types as it leaves the spinner disc and discovered that the pattern remains the same all the way to where the fertilizer lands on the field.

The two sensors constantly monitor spreading width. If it's too wide, the top red LED will light up. If the spreading width is too narrow, the bottom red LED will light. If the spreading width is correctly



set, the center green LED will light up. The operator simply adjusts the spreader controls as needed. Contact: FARM SHOW Followup, Sulky Burel S.A., Rue Fabien Burel - BP 4 - F - 35220 Chateaubourg (ph 99 62 39 39; fax 99 62 39 38).

3-Wheeled "Floater" Tractor

Low soil compaction and a unique design are the key features of the Horsch 3-wheel Terra-Trac. Made in Germany, it can be used like a tractor or equipped with a tank and used as a flotation applicator for liquid manure or chemicals.

The 350 hp, hydrostatic drive tractor is equipped with low pressure flotation tires, pto, and 3-pt. hitch. The wheels are equipped with high torque, low speed hub motors allowing infinitely variable speed. The front wheel turns 85 degrees for a sharp turning radius. By equipping the tractor with narrow tires, you can use it for row crop work. It has a high strength frame and a cab that sits over the engine so there's plenty of room for mounting a hopper on back. You can use it to till and fertilize or seed at the same time. The 3-wheel model can be converted to a 5-wheel model for even more capacity. Top speed is 30 mph. Also new is a 3-pt. "seed-exactor" implement that lets you till the soil and plant at the same time. It's equipped with a series of steel rotors and a seeding bar that mounts just behind the rotors. A seed box mounts on top of the unit (or on the Terra-Trac tractor). Seed is broadcast onto a clean, level surface left by the rotors, then is covered



as the churned-up soil drops back to the ground. The result is outstanding seed-to-soil contact for excellent germination even in very dry conditions, according to Horsch.

The company also makes an articulated, 4-WD, 345-hp tractor using many Russian components. The K735 has a 17-liter V-8 turbocharged engine built at the Kirovets military plant in St. Petersburg. Horsch as-

"Unroller-Shredder" Turns Bales Into Bedding

Providing bedding for cows doesn't get any easier than with this new labor-saving, hydraulically-operated attachment that mounts on your 3-pt. or front-end loader.

The unit both unrolls and shreds bales at the same time. It's equipped with two big spinner discs that cut into the bottom of the bale at an angle. They have a series of steel strips on top arranged in a spiral pattern. The discs turn outward, rotating the bale and slicing off straw which is then spread over a 12-ft. wide area. The unit can spread a bale in only 2 minutes.

Contact: FARM SHOW Followup, Deboffles Pere & Fils S.A., Manutention Industrielle, Abbecourt - B.P. 74-02301 Chauny Cedex (ph 23 52 03 17).



"Pendulum Post Driver"

"It lets you safely put up fence on steep slopes and banks, across ditches, or over obstacles," says the manufacturer of this 3-pt. "pendulum post driver" introduced at the SIMA show.

The Rabaud Turbobang is equipped with a 360-lb. driving hammer that mounts on a guide pole. The hammer works like a pendulum and automatically positions itself perpendicular to the post. A hydraulically-controlled telescopic arm shifts the hammer out to the side and can lift it up onto a steep slope or lower down into a ditch. The unit's three cylinders are powered by a pto-driven hydraulic pump.

Sells for about \$8,000.

Contact: FARM SHOW Followup,



Rabaud S.A., Bellevue, 85110 Sainte Cecile, France (ph 51 48 51 51; fax 51 40 22 96) or a Canadian distributor, Holbec, Inc., 831 Main St., St. Paul-Abbotsford, Quebec, Canada J0E 1A0 (ph 514 379-9214; fax 514 379-9011).

Revolutionary New Manure Spreader

A revolutionary new manure spreader invented by a farmer is creating a lot of interest in England.

The spreader has already been featured in a major British farm magazine, but the manufacturer who's taken over the spreader isn't ready yet to disclose all the details of the machine (the first commercial model will be out this summer). However, according to Luke Furse, the farmer who designed it, the spreader spreads faster than conventional spreaders, has fewer moving parts, and can handle solid objects that would cause other spreaders to break down. The spreading pattern is up to 100 ft. wide.

"We tried many types of manure spreaders over the years, but had problems with all of them," Furse told the magazine, FARMING NEWS.

The key components are a "tilt-forward" hopper and a 6-ft. dia., pto-powered spinning disc equipped with specially shaped paddles. A pair of hydraulic cylinders tilt the hopper forward, causing it to dump manure onto slats that feed manure into the paddles. A hydraulically-raised door controls the flow of manure to the paddles to



Photo courtesy FARMING NEWS

regulate the spreading rate.

"The hopper has no chains or augers that can break down so I never have to fork out manure," says Furse, who has used the spreader for two years in his custom spreading business. "It works fast. The 6-ft. dia. disc rotates at 280 rpm's so it has a very high periphery speed that makes it virtually indestructible. It smashed a 6-in. concrete block and even handled an old car wheel complete with tire."

Contact: FARM SHOW Followup, Ken Wootton Trailers Ltd., The Forge, Ancaster, Grantham, Lincolnshire, United Kingdom NG32 3PL (ph 0400 230 568).

sembles the tractor in Germany with engine, transmission and axles shipped in from the Kirovets plant. The fuel tank holds 315 gal. of diesel, enough to keep the tractor going for 24 hours. The powershift transmission has 16 forward speeds and four reverse. The Russian-made engine is

stingy on fuel. "In terms of comfort, performance, and hydraulics, it's equal to any tractor on the market," says the company.

Contact: FARM SHOW Followup, Horsch Maschinen GmbH, Sitzendorf 1, P.O. Box 1038, Schwandorf, West Germany D-92401 (ph 0 10 49 9431 8436).