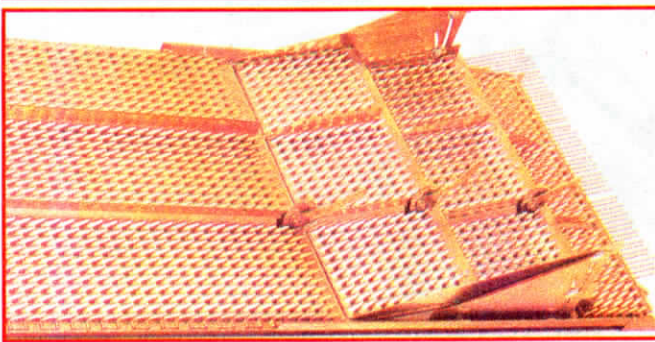


# Latest New Products, Ideas From Europe



## Revolutionary Combine Sieve Stops Grain Loss, Boosts Capacity 30%

"We think it's one of the biggest improvers of combine performance ever developed," says Franz Greisbach, North American distributor of a revolutionary new combine top sieve that developers say almost totally eliminates grain loss out the back end, is virtually plug-proof, and boosts capacity of both conventional and rotary combines up to 30%.

"As every veteran combine operator knows, the problem with most conventional top sieves is that chaff and grain coming out of the cylinder build up on the top sieve, forcing you to slow down until the jam clears so as to avoid excessive grain loss out the back," Greisbach points out.

The new-style top sieve, developed in Germany by Schumacher Manufacturing, is designed with two extra steps in the back to break up the flow of material to prevent bunching. Further protection against bunching is provided by redirected air flow.

"The new Schumacher sieve allows you to increase wind speed by 10% - without blowing grain out the back, as happens when you try to increase wind speed with a conventional sieve," explains Greisbach. "If you're now harvesting with 1% grain loss, the new sieve will allow you to travel up to 30% faster and still maintain no more than 1% grain loss.

"One of the first things you'll notice when

using the new sieve is a dramatic reduction in the amount of material coming through the return elevator," notes Greisbach. "That's because the new sieve diverts more grain to the bottom sieve, and more cleanly-threshed chaff out the back."

Installing the new sieve is as simple as installing a conventional top sieve. When you trade combines, you can remove the Schumacher sieve and install it in the new machine. For hillside operation, the new sieve can be equipped with optional bolt-on flanges which help keep material from bunching up on steep slopes.

Greisbach says cost of the new sieve, which has undergone extensive field testing in Germany in a wide variety of crops the past two years, will be 15 to 20% more than a standard top sieve.

"It's in production and will be available for most makes of combines - both rotary and conventional - on a limited basis in Canada and the U.S. for the 1994 harvest season," according to Greisbach. "We'd especially like to hear from farmers or custom operators with unusually stubborn unsolved top-sieve problems."

If you'd like a free brochure on the new Schumacher sieve, contact: FARM SHOW Followup, Argis Ltd., Box 154, Listowel, Ont., Canada N4W 3G8 (ph 519 291-4205).



## New Fertilizer Spreader Is Fast, Accurate

"It's twice as accurate and half as susceptible to wind distortion of the spread pattern," says Farrell Machinery of its new-style fertilizer spreader.

Equipped with Viccon-built spreader units with oscillating spouts mounted on each end of the boom, it spreads dry fertilizer in 16 to 26 yard widths. Fertilizer is pneumatically conveyed from the central nurse hopper to the spreaders through 10 in. dia. plastic pipes, one going to each spreader.

The key feature is that the spreader units are mounted in the center of the area they spread - not to one side as with twin-disc

spreaders - making them "twice as accurate and half as susceptible to wind distortion".

All wearing parts in contact with fertilizer are made of stainless steel. Boom height is adjustable from 27 to 55 in. above the crop. Capacity of the standard 3-ton hopper can be boosted to 6 tons with add-on sections. Two front-mounted fans are driven by one central pto-powered gearbox. Spreader units are driven off tractor's hydraulic system.

Contact: FARM SHOW Followup, Farrell U.K., Fen Farm, Washbrook, Ipswich, Suffolk, England IP8 3HE (ph 0473 730576).

## "Automatic Fill" Kit For Slurry Tankers

If you own a slurry tanker, you'll be interested in a new kit from Ireland that lets you fill it automatically right from the tractor seat.

It'll take you only three or four hours to install the do-it-yourself kit that sells for about \$1700. Here's how it works:

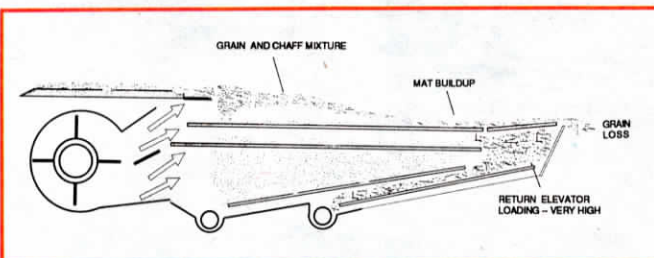
Operated totally from the tractor seat, a boom is lowered by a hydraulic ram into a rubber-lined cone attached to the suction hose. In the same movement, the fill valve is opened and the vacuum pump switched to

the "fill/vacuum" position. You then engage the pto and fill the slurry tank.

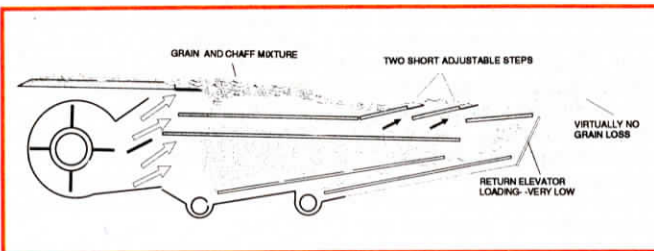
When the tank is full, you close the "fill" valve, raise the boom arm and switch the pump control to the pressure position for field spreading.

The automatic fill kit adapts to slurry tankers from 300 gal. and larger and, if required, can be mounted on the rear.

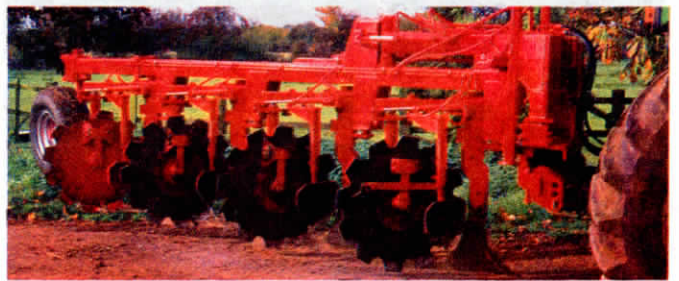
Contact: Star Tankers, Watterson Engineering, Aughrim Rd, Magherafelt, Northern Ireland, BT45 0JY (ph 0648 32251).



Above drawing shows conventional top sieve and how buildup of grain and chaff mat at rear causes excessive grain loss.



This drawing illustrates how the new Schumacher sieve's two adjustable rear steps prevent mat buildup of grain and chaff, resulting in virtually no grain loss, and a dramatic reduction in the amount of material moved by the return elevator.



## New Tillage Tool For Problem Soils

"No machine on the market - including the moldboard plow - can bury heavy trash in virtually all soil types and conditions, and pulverize dry soils in dry conditions, yet not cause slabbing or smearing in wet conditions," says English farmer Peter Topham who solved "the limitations of the moldboard plow" with a new primary tillage tool he calls the "Topham Inverta". It uses a combination of a leading tine and a large diameter flat inversion wheel fitted with either lugs or a continuous outer edge, depending on soil condition and type.

"My first prototype was based on con-

cave discs. However, I couldn't overcome the unpredictable soil turning, poor trash burial, and the slabbing and hard-panning caused by concave discs," explains Topham, who says he solved the problem by using flat plate discs instead.

His versatile new tillage tool is commercially available in on-land models up to eight furrows, and in reversible three, four or five furrow in-furrow models.

Contact: FARM SHOW Followup, Volac Ltd Orwel, Royston, Hertx, England SG8 5XQ (ph 0223 208021)