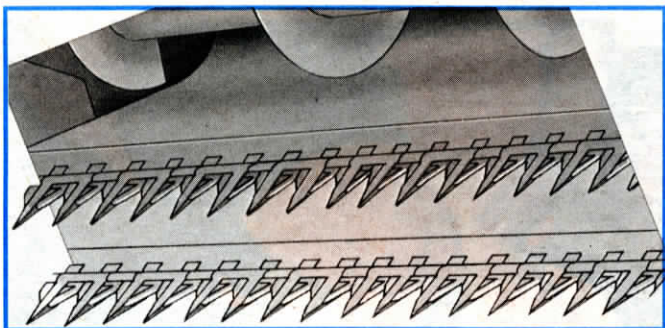


New Products From Europe

(Continued from previous page)



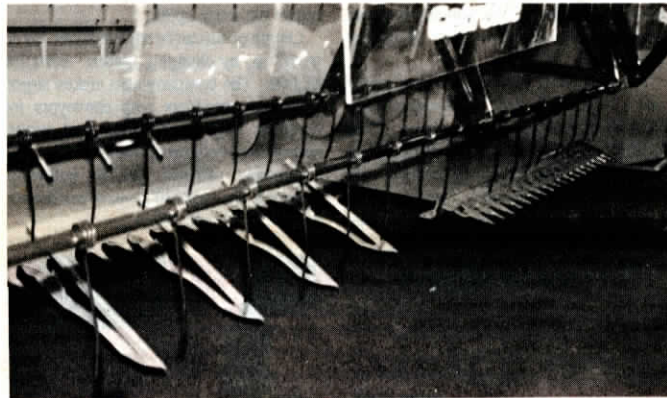
New Extendable Grain Head From Deere

Deere & Co. introduced a new extendable grain head. Unlike the new Deutz extension which bolts in place ahead of the existing cutting table (see Deutz report below), the Deere cutterbar slides out to its expanded size in minutes.

"Extending the cutting table increases performance 5% or more. It works especially well in peas, beans, rapeseed, down crops and tall crops," says Karl-Friedrich Hauri, Deere representative.

To extend the table, you simply loosen a series of bolts and back up the combine to extend or drive forward to shorten. "It takes two men just 15 min. to make the switch," says Hauri, noting that at this time the extendable cutting table is not available in the U.S.

Contact: FARM SHOW Followup, Deere & Company, Steubenstrasse 36-42, D-6800 Mannheim 1, Germany (ph 0621 81041).



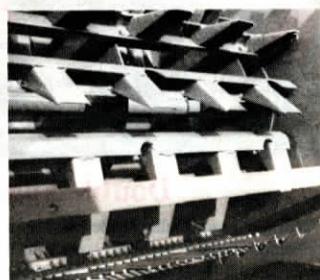
Deutz Unveils New Combine Add-Ons

Deutz, the Germany company that now owns Allis Chalmers, doesn't export its combine to the U.S. But some of the combine add-ons the company introduced at the recent Agritechnica may end up on the U.S.-made Deutz-Allis Gleaner combines, according to company representatives.

Extendable Grain Head: In an effort to stop grain loss through shattering, Deutz has developed 2-ft. extensions for the grain table on its grain heads (shown above). Farmers use the regular-width table in small grain like wheat and barley which lets the reel push the crop into the cutterbar and then back into the feeder auger. But in easily shattered crops like rapeseed, much of the grain is lost as soon as the reel touches the crop. The extended grain table catches that shattered seed.

The extension kit can be installed in a couple hours. Includes a kit to move the cutterbar drive out to the new position.

Feeder Cylinder: Big new feeder cylinder is designed to put an end to plug-ups in big crops with lots of straw. The 3-ft. dia. cylinder mounts just behind the cleaning cylinder and concave above the shoe. Rows of 3-in. wide paddles aggressively push the crop out onto the sieves. Makes it almost impossible for crop material to build up, increasing speed and capacity of the ma-



New feeder cylinder mounts above shoe. In a lighter crop it doesn't affect operation.

Hillside Cleaning Sieves: Crowds of farmers packed into the Deutz exhibit to get a look at the company's new hillside cleaning sieves. The new sieves, which are available only on the latest new Deutz combine, are mounted on rotating shafts that allow the sieves to pivot on hills. The electronic leveling sensor detects the slightest change in contour and instant acting hydraulics change the working angle of the sieves. "These leveling sieves make use of the latest new electronic and hydraulic technology. Sieves will be on the level 100% of the time," says M. Dauser, sales representative.



Rubber Disc Hay Rake

"It lifts hay rather than dragging or raking it there," says Michael Hansen, export manager for Fella, manufacturer of a new rubber disc hay rake.

Fella's new rake is unique in that it uses flat rubber discs with overlapped, curved rubber "spokes". The rake skims through the field at ground level, slipping beneath hay. Each disc picks up hay and passes it to the next disc in line.

"Leaf loss is drastically reduced because of the gentle way it handles the crop. It produces much high quality hay than any other rake on the market," says Hansen, noting that another benefit of the rake is that

it has no metal parts in contact with the ground so there's no danger of breaking off metal parts that could later cause havoc in mowers and balers.

The 18-ft. wide, pto-driven rake has 5 discs on each wing, all of which rake towards the center. It's equipped with both front and rear 3-pt. When mounted on front, you can rake and bale in one pass. Wings raise up for transport. Sells for about \$6,000.

Contact: FARM SHOW Followup, Fella-Werke GMBH, D-8501 Feucht bei Numberg, West Germany (ph 09128 731).



Custom-Built "Terra Trac" Tractor

"It's the best tractor in the world," says Michael Horsch, manufacturer of the king-size custom-built Horsch Terra Trac 3-wheeled tractor.

Horsch first built the all-wheel drive, 250-hp. tractor for use on the family farm. "We couldn't find a commercially-built tractor that would do the job for us. We wanted a high horsepower, versatile machine that would cause a minimum amount of compaction," says Horsch.

His first home-built tractor worked so well, Horsch got into the manufacturing business in a building on the family farm. Over the past few years, the tractor has been sold to farmers throughout Europe, primarily through word-of-mouth sales.

Key components of the Horsch tractor are the heavy-duty high torque stud axle hydraulic motors that power the three big wheels. Horsch says that unlike the "high speed" hydraulic motors used to drive combines, the special-built motors used to drive the tractor are geared low with lots of torque for heavy work. "This tractor's top speed is just 12 mph. It's built for use in the field, not for driving down the road," Horsch told FARM SHOW.

The tractor's powered by a 250 hp., 6-cyl.

Volvo diesel. The driver is positioned just behind the front wheel. The up-front positioning of the cab provides good visibility and leaves room above the rear axle for a 250 bu. tank that can be used with the Horsch-built no-till air seeder and fertilizer spreader. The bi-directional tractor's equipped with both front and rear 3-pt. and pto. The front-wheel of the highly maneuverable tractor has a 170° turning angle that allows the tractor to turn around in its tracks.

Elastic rubber disc couplings between the engine and hydrostatic pumps and the engine and pto practically eliminate vibration. That provides for smooth operation and minimizes down time, according to Horsch. The entire cab rotates 180° to reverse direction. Cab can also be tilted up hydraulically for access to engine and other components.

Unlike other big 4-WD tractors, Horsch says his tractor can be used for light field work because of the low ground pressure of the big terra tires. "You can also fit the tractor with conventional tractor tires for row crop work," he points out.

Contact: FARM SHOW Followup, Horsch Maschinen GmbH, Harburger Strasse 5, 8380 Landau/Isar, West Germany (ph 09951 7057).