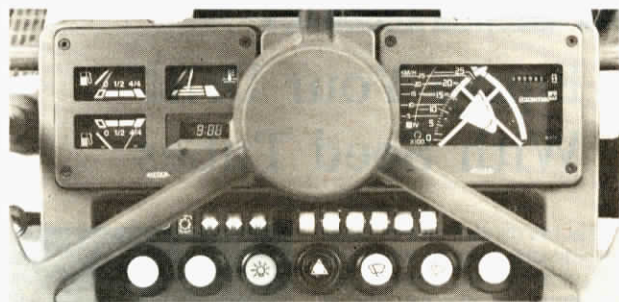


Best New Ideas From Europe



Diesel Engine Efficiency Gauge

"It saves 10 to 30% on fuel," says Patrick Farouault, French representative of the Renault Company which won top awards at the SIMA show in Paris with a new-concept tractor gauge that measures both engine exhaust temperature and engine rpm's to come up with optimum engine operating speeds.

"Most tractors have tachometers but they only tell you how fast the engine is running, not whether it is running at the optimum speed. With our new gauge you just stay within a predetermined range and you know you're running at top efficiency," says Farouault.

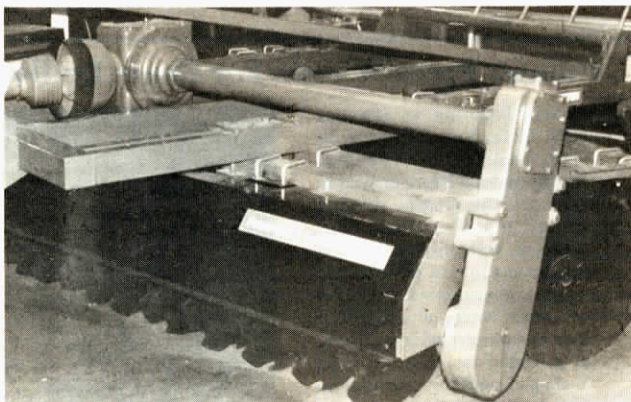
The dash-mounted gauge, called the "Ecocontrol", consists of two needles which cross over a colored background. One needle gives a readout of engine rpm's and the other gives the

engine exhaust temperature as measured on the exhaust pipe. The operator, by changing gears or the engine rpm's, simply keeps the points where the needles cross within the optimum range on the gauge. Whenever the point is outside the recommended area, efficiency suffers.

"It not only saves fuel, but decreases driver fatigue because the engine runs smoother with less noise and vibration," notes Farouault. The just-introduced gauge will be an option on new Renault tractors costing about \$285. Once all the bugs are worked out, the company hopes to offer the gauge as a retrofit option for other tractor makes.

Contact: FARM SHOW Followup, Renault, 7, rue Devoitine, BP 92, 78141 Velizy-Villacoublay, Cedex, France (ph 3 946 9696).

FARM SHOW editors cover all major shows in the United States, Canada and foreign countries to keep you and other readers posted on latest new products. Featured here are just a few "best of the show" ideas which caught Managing Editor Mark Newhall's eye at the recent 1983 SIMA show, the International Exhibition of Farm Machinery, in Paris, France, and at the Fieragricola in Verona, Italy. Mark notes that the SIMA show, widely recognized as the biggest farm show in the world, attracted more than 1 million people to its 1,800 exhibits from 30 different countries. The Fieragricola, one of four big Italian shows each year, attracted more than 500,000 people from 80 different countries to view 2,500 exhibits.



"World's First" Powered Disc

"Our Power Disc doesn't work the soil up so much that it becomes compacted and yet it works twice as well as a conventional, unpowered disc," explains Alan Burchell, representative of Stockton Engineering, Birmingham, England, manufacturer of what may be the first ever conventionally designed trailing offset disc with powered gangs.

Requiring 140 pto horsepower, the company says the new disc accomplishes in one pass what a conventional disc gets done in two to three passes. The disc has two rows of gangs. The front is powered directly off

the tractor pto while the rear gangs are ground driven. The front gangs cut through the soil at three to four times the speed of the rear gangs, which finish and smooth out the job of the spinning front discs.

"This disc is particularly good in stubble or trashy conditions which may be difficult to cut through with a regular disc," says Burchell. "It'll cut 3 to 5 in. deep in one pass with excellent stubble mix, no matter what the ground conditions. It does a better job than a tiller, which works the soil up too fine so that it often compacts quickly."

Power Knife For Big Bales

You can slice off chunks of big bales and feed them in tight quarters with a new power hay knife from Italy.

The electric-powered hay knife weighs just 30 lbs. and will quickly cut through bales (either horizontally or vertically) with little noise and without stirring up a cloud of dust. It uses a single phase motor and has a safety switch to prevent damage to the operator from a "runaway" saw. The saw can also be used for cutting out blocks of silage in a trench or pile. Blades remove for quick sharpening or replacement.

Sells for about \$450.

Contact: FARM SHOW Followup, Fiaba, Via Mancament 1/11, 36043 Camisano, Italy (ph 0444 710186).



The new disc comes in 8, 10 and 13-ft. widths, using conventional discs front and back with a hood over the front spinning discs. The angles of the rear disc gangs can be changed to adapt to varying terrain.

Stockton Engineering hopes

to introduce the new disc to the U.S. and Canada sometime next year.

Contact: FARM SHOW Followup, Stockton Engineering Ltd., 84 Barford St., Birmingham, England B5 6AH (ph 021-622 7474/5/6).