



New-Style "Stripper" Combine

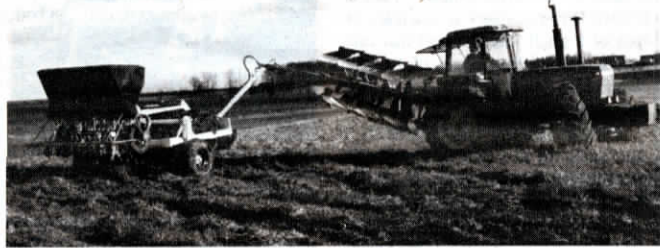
French researchers have developed a new-style stripper combine that uses short sections of augers to strip grain off stalks, leaving the stalks standing in the field and eliminating the need for cleaning mechanisms on the combine.

The prototype machine is totally different from the stripper combine developed in England (it uses plastic "keyhole" shaped fingers to strip off grain) and which is now being manufactured by Shelbourne Reynolds (see FARM SHOW's Vol. 13, No. 2). Developer Jean-Yves Martin, who designed the French machine at a government research station, says the new-style design works well under all conditions in small

grains, including high moisture conditions of 25% or more. It also greatly reduces the cost of harvest machinery and does the job just as fast or faster.

The grain-stripping augers are covered by cone-shaped housings. In operation, the augers are positioned about half way up the stalks. The stalks are drawn into the auger housing, and grain is stripped off and augered up into the machine and loaded into a trailing hopper.

Contact: FARM SHOW Followup, Jean-Yves Martin, Cemagref, Division Travaill du Sol, Parc de Tourvois, 92160 Antony, France (ph 1 40 96 61 21).



One-Pass Moldboard Seeder

First-of-its-kind tillage unit uses a leveling blade and driven "crumbler" wheels to prepare a seedbed for a rear-pulled seeder.

The one-pass tillage seeder is designed for use behind a moldboard plow. It trails directly behind the plow, pulled by a special spinning linkage that allows reversible plows to flip over on end rows. The first component of the system is a leveling blade with adjustable down pressure that smooths out the biggest chunks left by the plow. Following the blade are two interlocking

steel crumbler rollers that are driven at different speeds by ground-driven wheels. One roller is 3 ft. in dia. and the other 2 1/2 ft. dia. The front roller, which turns at less than the forward speed of the unit, breaks up most of the chunks left behind the leveling blade while the rear roller packs the crumbled seedbed ahead of the rear seeder.

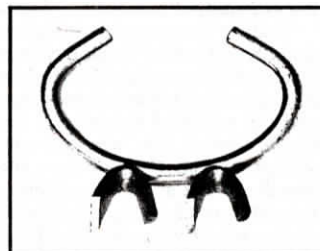
Contact: FARM SHOW Followup, T.M.N.A., Burey, 27190 Conches, France (ph 32 30 56 11).

Nose Ring For Heifers

"They help ensure healthy udder growth," says the manufacturer of new nose rings for heifers that are fitted with points that prevent unwanted sucking between young animals.

Manufacturer L. Legeard S.A., says one-fourth or more of the udder can be lost when heifers are kept together in lots and begin sucking on each other. "Repeated sucking often leads to premature production of milk in udders which can result in infection and destruction of milk draining channels," says Legeard.

His nose rings have from 4 to 8 blunt points on them, depending on the size. The points are not sharp enough to hurt another animal but they're irritating enough so that no animal will put up with the pain they cause. The clip-on rings install with a special pliers and can be quickly removed



when no longer needed or when changing to a larger size.

The rings and pliers should soon be available through a U.S. distributor, according to importer I.B.C. Inc. and will sell for less than \$2.00 for the rings and about \$40 for the pliers.

Contact: FARM SHOW Followup, Legard S.A., c/o I.B.C., Inc., 625 N. Michigan Ave., Suite 500, Chicago, Ill. 60611 (ph 312 751-5442).

Backpack "Fire Weeder"

Farmers crowded around a display featuring a new backpack "fire weeder" at the recent Fieragricola in Verona, Italy.

The weeder consists of a hand wand fitted with a "fire-breathing" nozzle. A squeeze of the handle sends a burst of flame out the nozzle to fry weeds to death.

"You don't have to burn the weeds up. All you have to do is briefly scald them which causes the cells of the plant to burst. At first they'll get more green but then, in a day or so, they'll turn brown and die. On big weeds, all you have to do is scald the base of the weed and it'll kill the whole plant," says inventor-manufacturer Marino Mingozzi.

The operator carries a small 10-lb. propane tank in a backpack unit. The wand is suspended by a shoulder strap at about waist level.

Sells for about \$250.

Contact: FARM SHOW Followup, Of-



ficina Mingozzi Natale, Via Val d'Albero, 25b, 44010 Bando d'Argenta (Fe) Italy, (ph 0532 807106).

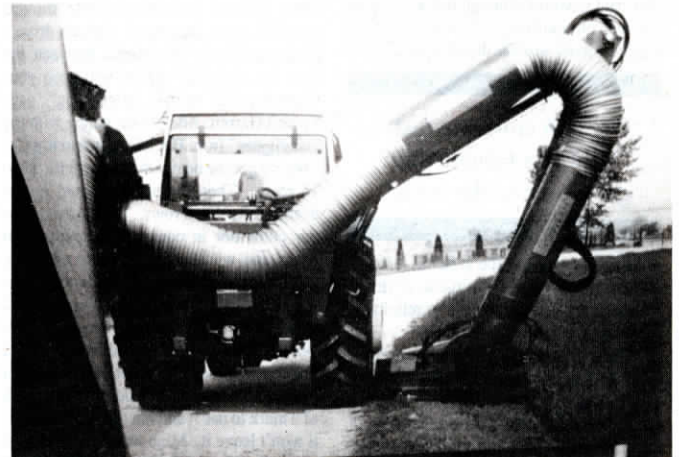
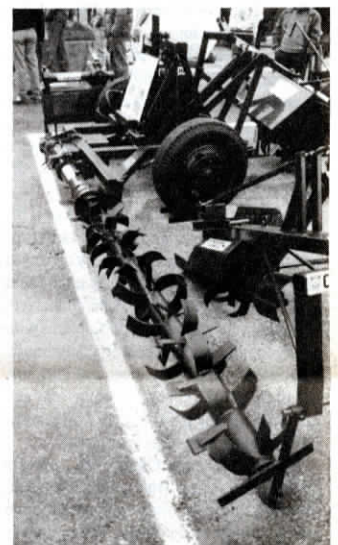
Heavy-Duty Compost Stirrer

"It's the best machine ever built for making compost," says Giovanni Cucchi, manufacturer of a new hydraulic-powered compost stirrer.

The 7-ft. long stirring machine is designed to work its way through long, 7 to 14-ft. wide piles of compost. Trailer-mounted so that it can be moved freely up and down, it consists of a long shaft fitted with closely mounted sets of tiller-type tines that thoroughly work their way through heavy mixes of manure, soil and other organic materials. It requires a minimum 60 hp. tractor and will work its way through about 1,000 ft. of compost per hour. Key to success of the machine, according to Cucchi, is the way it mixes up compost without disturbing the shape of the pile.

Sells for about \$6,000.

Contact: FARM SHOW Followup, Officina Meccanica Cucchi, Via. G. Boccaccio 9, Zona Industriale S. biagio, 42024 Castelnuovo Soto (R.E.), Italy (ph 0522 682173).



Roadside Forage Harvester

European farmers don't let any land go to waste so there's a big demand for this new roadside forage harvester that uses a big vacuum pickup to suck mown grass off hillsides and out of ditches where it would be difficult to go with a tractor and conventional forage harvester.

The unique harvester consists of a 4 1/2-ft. flail-type mower mounted on a hydraulic-controlled telescoping arm that can reach out 15 to 20 ft. from the side of the tractor,

depending on model. To harvest the grass cut by the mower, a vacuum blower mounts at the rear of the tractor and a big 20-in. dia. flexible tube is mounted along the length of the mower arm. It sucks forage up from directly behind the mower and blows it to a trailing wagon.

Contact: FARM SHOW Followup, Hymach S.A., Viale del Commercio, 45039 Sienta (Rovigo) Italy (ph 0425 75 12 42).