**SPRING-LOADED FURROW OPENERS FLEX TO FOLLOW CONTOURS**

# New-style Drill Seeds Ditches, Ditchbanks

"Farmers who couldn't justify owning this machine alone are making it pay by teaming up with neighbors," says the Canadian manufacturer of a new contour-seeding grain drill that's designed to seed irrigation ditches and other hard-to-work areas, with grass or grain.

"We don't know of any existing mechanical way to seed these ditches," says Will Hyswick, president of Fabro Limited, Swift Current, Sask., Canada. "In most cases, farmers up to now have seeded as close as possible with conventional drills and hope the grass spreads. Or, they seed by hand."

The company acquired their first prototype Flex-O-Drill from government researchers who developed it. Improvements have been made on the machine which the company hopes to have on the market in early 1980.

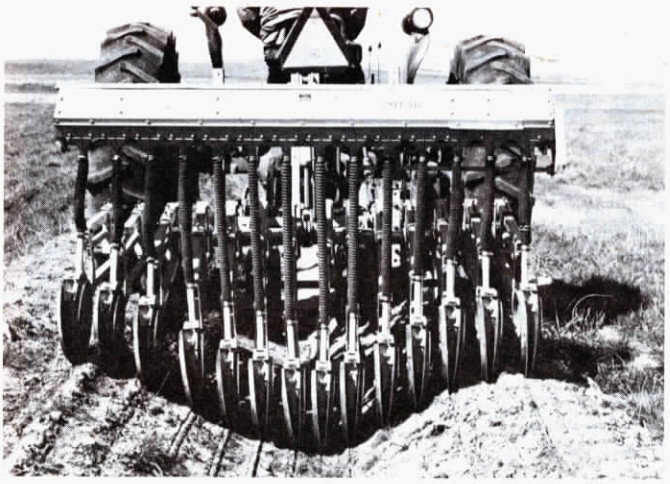
The 3-pt. mounted drill is primarily designed to seed grasses but can handle any grain. Double-disc furrow openers are mounted on independent, spring-loaded arms that hug the contour of land being seeded. Seed drops through flexible, pleated tubing that expands and contracts, depending on shape of the land.

While you can drive in ditches, it's often difficult to drive across the pile or bank. Consequently, the company has designed a side-mount hitch that can be adjusted to seed several feet off to the tractor's side.

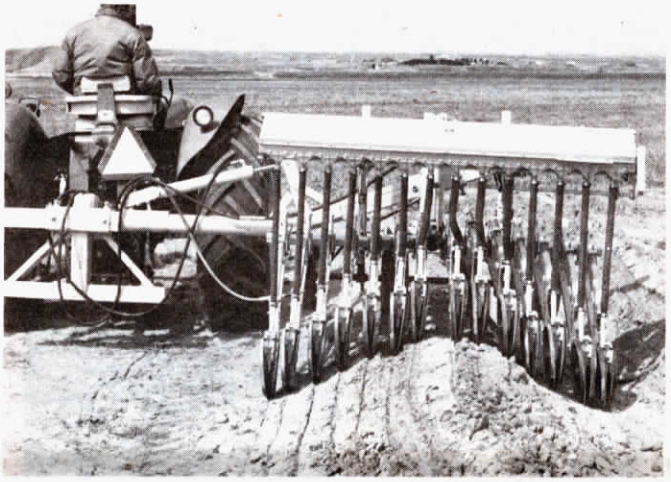
In addition to irrigation ditches, the seeder works well in heavily eroded areas, and for road maintenance work. "In a pinch, it could even be used on level ground," says Hyswick.

The company projects a cost of $6,500 for the drill, plus $1,000 for the optional side hitch.

For more information, contact: FARM SHOW Followup, Fabro Ltd., P. O. Box 1073, Swift Current, Sask. 378 3XI, Canada (ph 306 773-6346).



**Flexible ditch seeder is designed to seed irrigation ditches and heavily eroded areas.**



**With the help of an optional side hitch, the drill also flexes over fill banks and other obstacles.**

**LETS YOU BALE SOONER AFTER CUTTING**

# New Stacking System "Weatherproofs" Bales

Larry Zimmerman, a Wisconsin dairyman turned welder, dares to call his haymaking system "weatherproof."

His unique system is built around a special bale stacker which places hay bales in a triangle self-drying stack to be left in the field. "Because you can bale earlier, you save more leaves and end up with higher quality hay," Zimmerman of New Richmond, points out.

He designed and builds two stacker models (6 bale and 30 bale), both of which pull behind the hay baler. A person riding on the platform hand-stacks a pyramid of bales on the stacker frame. As each pyramid of bales is finished, the frame is "tripped," allowing the pyramid to slide off. "It's all done with the baler operating at full speed. There are no stops for wagon unloading or unhitching," explains Zimmerman. "It beats the weather because you can bale ahead of a rain and leave the stacks in the field. Or, part-time farmers can bale all weekend and haul the stacks in later."

Zimmerman notes you can bale sooner after cutting because the bales will finish curing in the stack in the field. "If there's any heat build-up, it's dissipated harmlessly to the air

rather than building up inside a barn or mow. Heat damage to protein is eliminated. My protein tests have never been lower than 16½% and have gone as high as 24%," says Zimmerman.

Here's how he explains the "weatherproof" effect: "Earlier baling means you save more leaves. These flatten out against the bale during a rain, weatherproofing the stack. The exposed sides of the bales weather only about ¼ in. deep. Inside, the hay stays green and leafy."

The 30-bale unit is actually two 15-bale stacks side-by-side. Up to 45 bales can be hauled in from the field at once using a front-end loader attachment that can carry 15 bales, plus 30 bales on the stacker itself. Because of the shape of the stacks, they can then be set one on top of the other in stacking bales at headquarters.

The 6-bale model sells for $580, and the 30 bale unit for $1,800. The front-end loader attachment for carrying a 15-bale stack sells for $300.

For more information, contact: FARM SHOW Followup, Larry Zimmerman, Zimmerman Welding, Rt. 2, New Richmond, Wis. 54017 (ph. 715 246-4890).

**"There's no other system like it for stacking and moving large quantities of bales," says inventor Zimmerman. Stacker (above) trails behind baler, unloading stack of 15 bales in field. Front end loader attachment (above left) picks up one 15 bale stack at a time.**