



New 36-ft. wide air seeder features a 3-section frame that flexes on even the hilliest ground.

BOOTS AND SPLIT PACKER WHEELS MOUNT INDEPENDENTLY FOR BETTER SEED PLACEMENT

Deep Furrow Air Seeder

Ever since Deere stopped making its HZ hoe drill, farmers who summer fallow or farm hilly ground have had to rebuild the machine, or rely on big drills designed for Midwest conditions. A new split packer, deep furrow air seeder designed by a Washington company provides an alternative.

Coombs Mfg., of Spokane, says its new rig, which is compatible with all major air carts, offers a number of features:

- A 3-section drill frame that can flex on hilly ground.
- Independently mounted boots and split packer wheels that provide individual depth control for accurate seed placement.
- Spring-loaded rock trip.
- Hydraulic fold for fast, easy transport.

"It's a compact unit that works well even on the hilliest ground and keeps seed depth consistent," says David Coombs. "We recently bought out the agricultural division of Calkins Equipment and used their expertise to design the rig. Like the HZ, it's equipped with boots that dig 6-in. deep furrows in order to reach moist soil. The split packer wheels press soil in against the seed trench.

"However, our rig offers many benefits over the HZ. It has much more capacity so you don't have to refill as often. It works great with air carts so the weight of the seed is kept off the frame, reducing stress on it. The depth of the boots can be controlled by adjusting a spring-loaded pin. Spring pressure on the boots and packer wheels can also be adjusted. Each packer wheel is made up of two halves, and they're designed so that they can rotate in opposite directions in order to dislodge



Boots dig 6 in. deep to reach moist soil.



Split packer wheels provide individual depth control for accurate placement.

rocks.

"We built two 36-ft. wide prototypes last year and they worked great. Suggested list price for a 36-ft. model is \$14,000. We plan to offer other sizes in the future. The boot-packer wheel units can also be retrofitted to existing tillage implements and sell for \$800 apiece."

Contact: FARM SHOW Followup, Coombs Mfg., 7106 West Warehouse Ave., Spokane, Wash. 99204 (ph 509 456-8552).

Wheel Weights For International Tractor

"The wheel weights I made for my 966 International tractor work great, cost almost nothing to make, and give me all the extra traction I need," says Pat Kennedy, Bellevue, Texas.

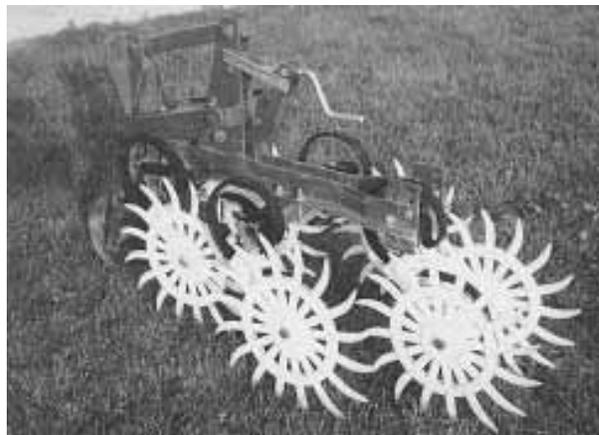
"I made them out of 24-in. dia., 1/2 in. wall steel tubing with heavy steel plates enclosing either end. The inside plate bolts to the tractor hub with four bolts. I put a 3-in. pipe through the center for the axle to stick through.

"Each wheel weight weighs 350 lbs. when filled with water. The only cost was for welding and cutting since I had all the parts."



Weights add 350 lbs. to tractor.

Contact: FARM SHOW Followup, Pat Kennedy, Rt. 2, Box 204, Bellevue, Texas 76228.



A standard 20-in. dia. rotary hoe wheel runs between every cultivator shovel and row.

"BETTER THAN CONVENTIONAL ROW SHIELDS" Cultivator "Speed Fenders" Also Break Up Clods

"They're high-speed row protectors for cultivators that also help the cultivator do a better job of tillage," says Robert Ries about the "Speed Fenders" he introduced at the recent National Farm Machinery Show in Louisville, Ky.

They consist of mounting brackets that bolt directly to cultivator shanks so that standard 20 in. dia. rotary hoe wheels can be mounted to run between every shovel and the row at speeds of up to 10 mph.

The wheels not only protect rows from "cultivator blight", but break up clods coming off the shovels and level soil as well, Ries notes.

"Unlike other row shields, these units are

not restricted by the height of the crop since no part of the assembly runs over the row," he notes. "They're also adaptable to strip till simply by staggering the wheels 4 in. on the shank."

A standard 5-shank cultivator costs approximately \$110 per row to fit, including basic units and end units. Double brackets, for running two wheels at a time on rear most shanks of cultivator, sell for \$25 apiece. Single brackets for all the other shanks sell for \$20. You supply the rotary hoe wheels.

Contact: FARM SHOW Followup, Robert Ries, 14134 Liberty-Union Rd., Ohio City, Ohio 45874 (ph 419 965-2608; E-mail rries@bright.net).

Two-Way Catch Gate

"I have been using this gate for sorting hogs for six years in conjunction with feeding out hogs on a dry lot. To eat or drink, they have to walk through the gates," says Matthew Hempel, Eldridge, Mo.

"The gate is really handy for catching pigs and at the same time causing no stress to the animals. There's a spring-loaded gate on each side and each gate only opens in one direction. Pigs quickly learn which gate they can enter by and which is the exit so when you decide to catch some or all the pigs, you simply lock the exit gate and the next morning all the pigs will have come in for feeding but none will get out.

There's no need to have someone stand at the gate when catching individual hogs since the they're already using the entrance gate.

"The design is trouble-free. The gates are pulled closed with door springs. Works for feeder pigs all the way up to sows. It's made as a single unit that fits in a 6-ft. opening.

"I would be willing to make and sell these gates if there's enough interest."

Contact: FARM SHOW Followup, Matthew Hempel, Semper Fidelis Ranch, Rt. 1, Box 52, Eldridge, Mo. 65463.



Hempel's gate is made as a single unit that fits in a 6-ft. opening.