



Peterson built the cultivator out of a Blu-Jet caddy, Orthman guidance system, and Hiniker cultivator. He uses a Deere 8430 200 hp tractor to pull it.

## TOTALLY SELF-CONTAINED UNIT ALSO APPLIES FERTILIZER, HERBICIDES

# “Do-It-All”, Trash-Clearing Row Crop Cultivator

Iowa farmer Dave Peterson wasn't happy with the Hiniker 5000 4-row cultivator he was using so he built his own “do-it-all”, trash-clearing cultivator out of a Blu-Jet caddy, an Orthman guidance system, and the original Hiniker cultivator.

“It really murders weeds and makes the original cultivator more lethal,” says Peterson, of Lake Mills.

He bought a new Blu-Jet 3-pt. caddy for \$3,600 and mounted the Hiniker cultivator on back of it. He bolted a short length of toolbar onto the caddy tongue to hold the Orthman guidance sensor. He used 4 by 6-in. steel tubing to build another toolbar that mounts on the caddy ahead of the cultivator. He then removed the cultivator's disc hillers and mounted them on the toolbar. Rubber boat trailer tires on the toolbar serve as gauge wheels. A set of International chisel plow sweeps mounts on another toolbar - behind the disc hillers but ahead of the cultivator - made out of 4-in. sq. tubing. A big Orthman coulters help steer the entire rig.

He made brackets to mount the saddle tanks from the sides of his tractor on top of the caddy. He also removed the liquid fertilizer tank from the front of the tractor and mounted it ahead of the saddle tanks.

“Moving the disc hillers up front away from the sweeps really improves trash clearance. I didn't plug it up once last summer,” says Peterson, who farms on ridges. “Another advantage is that I have a much better view of the disc hillers. They run close to

the row and do a good job, along with the extra chisel sweeps, of uprooting weeds. The original cultivator sweeps at the back are insurance. One problem with the original cultivator was that big weeds next to the row often survived because the sweeps couldn't get close enough to the row to slice off the roots.

“I had been making separate applications of fertilizer and herbicide. By carrying the tractor-mounted tanks on the cultivator I save two field passes. I plant corn and soybeans in alternate 4-row strips so I mounted spray hoods on front of the unit to keep herbicide from drifting onto the adjacent crop.

“It's real handy to use because I don't have to mount any pumps or tanks or hook up any hoses or electrical wiring because it's completely self-contained. Both the fertilizer and spray pumps are chain-driven by a hydraulic motor. Another advantage is that I have great visibility ahead of the tractor. I use a Deere 8430 200 hp tractor to pull it. It pulls hard, but the biggest problem is getting enough traction. When the tractor broke down last summer I rented a Deere 4840. It had enough power but not enough traction.

“One problem with the original cultivator was that if the disc hillers hit a rock they would often break. The toolbar that supports the disc hillers now is spring-loaded so it flexes up to cushion the impact.”

Contact: FARM SHOW Followup, Dave Peterson, Box 84A, Lake Mills, Iowa 50450 (ph 515 592- 9262).



He removed the Hiniker cultivator's disc hillers and mounted them up front away from the sweeps to improve trash clearance.



Applicator has three pairs of coulters, with each pair mounted on a single shank that clamps onto toolbar. Manure is delivered through hoses behind each shank.

## “WORKS GREAT ON NO-TILL”

# Bolt-On Applicator Covers Up Manure

If you're looking for a way to reduce odors while applying liquid manure, you'll want to take a close look at this new bolt-on applicator that lays manure on top of the ground, then uses pairs of big disc coulters to cover it up with soil.

Vittetoe, Inc., Keota, Iowa, says the 12-ft. wide, toolbar-mounted applicator can be used on sod, corn, or soybean stubble as well as with conventional tillage. It's equipped with three pairs of 24-in. dia. coulters, with each pair mounted on a single shank that clamps onto the toolbar. Manure

is delivered through hoses and dropped behind each of the shanks. The discs then pull layers of soil inward over the manure. A pair of hydraulic cylinders is used to adjust downpressure on the discs so that you can regulate how much soil is thrown on top of the manure.

Fits most truck-mounted or pull-type liquid manure tanks.

Sells for \$2,900 (delivered).

Contact: FARM SHOW Followup, Vittetoe, Inc., Keota, Iowa 52248 (ph 515 636-2259 or 800 848-8386).



A 30 1/2-ft. wide, 3-section Speidel applicator mounts on a 3-wheeled Nitzsche self-propelled weeder.

# Self-Propelled Weed Wiper Cart

“Our new self-propelled weed wiper cart lets you apply Roundup to tall growing weeds in drilled or row crops without knocking down as much crop as an ATV or tractor. It also has much more crop clearance so you can use it later in the season,” says Ron Lubke, Quality Metal Works, Stanford, Ill.

Lubke mounted a 30 1/2-ft. wide, 3-section Speidel Applicator - a wiping type herbicide applicator for applying Roundup to tall growing weeds in a crop or pasture - directly to a 3-wheeled Nitzsche self-propelled weeder. It's powered by a 5 1/2-hp Honda engine and has a 6-speed transmission (five forward and one reverse). The two rear drive wheels are chain-driven off the engine and the single front wheel is used to steer (either by hand or with your feet). The rear wheels are adjustable for row spacings of 28 to 40 in. Maximum operating speed is 9 mph.

“It has excellent traction and good sta-

bility and is easier to control than an ATV-pulled weed wiper,” says Lubke. “The operator has excellent visibility of the wicks, and the 36-in. ground clearance lets you go through almost any crop. It's ideal for control of Johnsongrass, volunteer rye, dogbane, shattercane, volunteer corn, red rice, or any other weed that grows above the crop. The rate of herbicide flow is controlled by valves and can be adjusted for thick or thin weed densities. It can also be used for spot spraying or to pull a 21, 30 1/2, 42 1/2, or 45 1/2-ft. weed wiper cart.

“The wings are carried on 2.25 by 16 pneumatic tires and are hinged, allowing them to float up and down to follow the ground contour. The wings fold to the rear for a 12-ft. transport width.”

Sells for \$3,965.

Contact: FARM SHOW Followup, Ron Lubke, Quality Metal Works, Inc., Box 358, 200 School St., Stanford, Ill. 61774 (ph 309 379-5311).