



Demmer clamped 24 new Yetter no-till "soybean special" coulters, spaced on 10-in. centers, onto 4-in. sq. steel bar mounted behind toolbar.

THREE CYCLO BLOWERS MOUNT ON 20-FT. TOOLBAR

No-Till Bean Drill Built Out Of Air Planter Parts

"It lets me seed beans in 10-in. rows without spending the money for a new no-till drill," says Jerry Demmer, Clarks Grove, Minn., who mounted three International 500 Cyclo planter units on a 20-ft. planter toolbar.

Demmer bought two used IH 500 Cyclo planters - an 8-row and a 16-row. He mounted the seed drum, hopper, and blowers from the planters (the 16-row planter had two seed delivery systems) on the 20-ft. toolbar from the 16-row planter. An orbit motor, powered by a pto-operated hydraulic pump, drives each blower, and a ground driven wheel, taken off the 8-row planter, controls seed metering. He clamped 24 new Yetter no-till coulters designed specially for soybeans onto a 4-in. sq. steel bar mounted behind the toolbar. The coulters are spaced on 10-in. centers.

"I tried it on 900 acres of untouched corn stalks last spring and it worked great except

in peat ground where the fluted coulters tend to plug up. They wouldn't keep rolling in the soft ground," says Demmer. "I had been using my conventional 12-row planter, which I use to plant corn no-till on 30-in. rows, to plant both conventional and no-till soybeans. However, I wanted to switch to solid seeded no-till beans without spending the money for a new no-till drill. My 'air planter' no-till drill cost about \$12,500 to build which is about half the price of a new 20-ft. no-till drill. I can plant 20 acres before I have to refill. Each hopper holds 11 bu."

Demmer bought new Yetter row markers and mounted them on the toolbar. The lift assist wheels are off the 16-row planter. Demmer installed new bearings on the lift assist wheels, drive wheels, and blowers.

Contact: FARM SHOW Followup, Jerry Demmer, Rt. 1, Box 164, Clarks Grove, Minn. 56016 (ph 507 826-3286).

PRESSES SEED DOWN INTO FURROW

"Seed Firmer" For Planters

"It presses seed down into the furrow to eliminate air pockets and improve seed-to-soil contact," says Jeff Schultz, Ewing, Mo., about his new "Seed Inforcer" attachment for row crop planters.

It consists of a 5-in. dia. abrasion-resistant poly wheel, mounted on a sealed bearing, that mounts between the disc openers and closing wheels. The disc is attached to a spring-loaded, hinged arm and runs right in the bottom of the furrow.

"It results in more even germination and a more uniform stand," says Schultz. "It works better than angled press wheels. They squeeze soil into the top of the furrow but often leave air pockets at the bottom."

The Seed Inforcer mounts on a bracket that bolts on in place of the scraper. An optional seed bounce flap that mounts on the bottom of the seed tube ahead of the disc keeps seed from bouncing out of the furrow.

Sells for \$65 per row. Seed bounce flap sells for \$2.50 per row. Fits Deere 7000



A 5-in. dia. abrasion-resistant poly wheel mounts between disc openers and closing wheels. Disc is attached to spring-loaded, hinged arm and runs in bottom of furrow. Note seed bounce flap on seed tube.

Series planters, Kinze planters and White 6000 Series planters. Brackets for other planters are in development.

For more information, contact: FARM SHOW Followup, J & B Company, Rt. 2, Box 134, Ewing, Mo. 63440 (ph 314 494-3643).

IMPROVES DEPTH CONTROL

Add-On Kit For Row Cleaner Wheels

An Indiana inventor has come up with a new add-on kit designed to improve performance of row cleaning wheels that mount ahead of planter row units. The modification kit adapts to Martin, Dawn, or Yetter row cleaners.

Ronald Doetch, Farm-Rite Solutions, says his "All Till Germinator" consists of a parallel linkage mounting bracket equipped with downpressure springs and a gauge wheel that runs right behind the row cleaners. The mounting bracket mounts on the up-front fertilizer bar, moving row cleaners ahead from where they normally mount. The no-till coulters and fertilizer tube, that would normally mount on the fertilizer bar, are moved back behind the row cleaners, just ahead of the seed disc openers. A 3-in. spacer that mounts on the no-till coulters hub moves the coulters over 3 in. so fertilizer can be placed in tilled ground 3 in. to the side of the seed.

"Row cleaners work fine except that they're normally mounted in the wrong place which creates problems with depth control," says Doetch. "In soft ground they till too deep and in hard ground they often ride up out of the ground. Moving row cleaners out ahead of the planter makes it easier to control depth and allows the planter row units to work independently. The parallel linkage and gauge wheel allows 8 in. of up-or-down movement to keep the depth of tilled soil constant regardless of trash levels or soil conditions. The result is a garden-like seedbed and precision seed placement."

"Another problem with row cleaners is



Kit moves row cleaners ahead onto up-front fertilizer bar, moving row cleaners ahead from where they normally mount. The no-till coulters and fertilizer tube, that would normally mount on the fertilizer bar, are moved back behind row cleaners, ahead of seed disc openers.

that they make fertilizer placement difficult because they limit the amount of space available under the planter. Using no-till coulters to place fertilizer ahead of the row cleaners can lead to inaccurate placement. As a result many farmers have stopped applying starter fertilizer. By moving the no-till coulters and fertilizer openers behind the row cleaners you allow the fertilizer openers to work in clean ground as they were designed to. More accurate placement also allows you to apply higher levels of starter fertilizer."

Sells for \$225 per row including parallel linkage, gauge wheel, spacer bar, and mounting brackets. Doetch also sells Martin row cleaners. Complete row cleaning system sells for \$390 per row.

For more information, contact: FARM SHOW Followup, Farm-Rite Solutions, Box 75, Fishers, Ind. 46038 (ph 317 578-8037).



Baldwin cut combine apart and built new frame out of 6-in. channel iron. He bought forklift mast from salvage yard.

HE SPENT JUST \$700

Forklift Built Out Of Old Deere Combine

As a Dekalb seed corn dealer, William Baldwin, Jr., of Leesburg, Ohio, needed a forklift to handle pallets of seed. Even a used rig would have cost \$5,000 or more so he set out to build one himself out of an old Deere 45 combine.

"It took about a month to build with the help of a friend who did the welding. I cut the old combine apart, getting rid of all the old threshing parts I didn't need and building a new frame out of 6-in. channel iron. I

reused the front and rear axles, cab platform, motor, and gas tank. I bought the forklift mast from a salvage yard and used the hydraulic pump from the combine. It has more than enough power to lift a full pallet of seed corn," says Baldwin. He spent about \$700 total on the combine forklift.

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