



Andries bolted 2-in. wide metal strips along either side of disc openers to keep dirt from being thrown out of seed furrow. A pair of snowmobile boggie wheels mounted behind disc openers are used to close the furrow.

Cheap Way To Convert To No-Till

"After looking at no-till planters and drills, as well as pricey add-on attachments, I decided to try to modify my existing planter myself for no-till," says Gary Andries, Mediapolis, Iowa.

"Using a little scrap iron and parts off a plow and snowmobile, I was able to modify my 4-row 36-in. IH 400 Cyclo air planter so it works as well as any expensive no-till planter or drill on the market.

"I first mounted 5/16-in. rippled plow coulters on front of the planter. Then I bolted 2-in. wide metal strips along either side of the disc openers to keep dirt from being thrown out of the seed furrow. The metal strips mount horizontal to the ground and are curved upward at the front. They're positioned about 3 in. up from the bottom of the disc openers and are held in place by brackets at either end.

"I mounted two 7 1/4-in. dia. snowmobile boggie wheels right behind the disc openers, positioned at an angle to close the furrow. I added extra down pressure weight to the planter by putting about 50 lbs. of 3/4-in. crushed rock in the herbicide boxes.

"This closure system worked so well I was able to no-till soybeans into green

orchardgrass and alfalfa with excellent furrow closure and depth control. The seed emergence was also excellent. This attachment also works well in tilled soil, providing better seed-to-soil contact, improving emergence on tilled ground, too. The problem with many of the no-till planters and add-on systems on the market is that they're so aggressive they throw dirt out of the furrow to open it up and then can't close it back up to cover the seed. My planter now does as good or a better job than any no-till planter or drill I've seen.

"The modification is as simple as it sounds and should work on other planters as well. It cost only about \$200 to equip a 4-row planter, which is less than the cost to buy commercial add-on attachments for a single row from after-market manufacturers."

Andries says he'd be willing to sell detailed plans on his conversion if there's enough interest.

Contact: FARM SHOW Followup, Gary Andries, Rt. 1, Village CT., Mediapolis, Iowa 52637 (ph 319 394-9342).

THEY LAST 2 TO 3 TIMES LONGER THAN HARD SURFACING

Carbon Steel "Weld-On" Points For Tillage Tools

"Our new weld-on points for tillage tools are made from chromium carbon steel that lasts 2 to 3 times longer than hard surfacing and about 5 times longer than conventional steel points," says Jim Miller, Page Ironworks, Page, N. Dak.

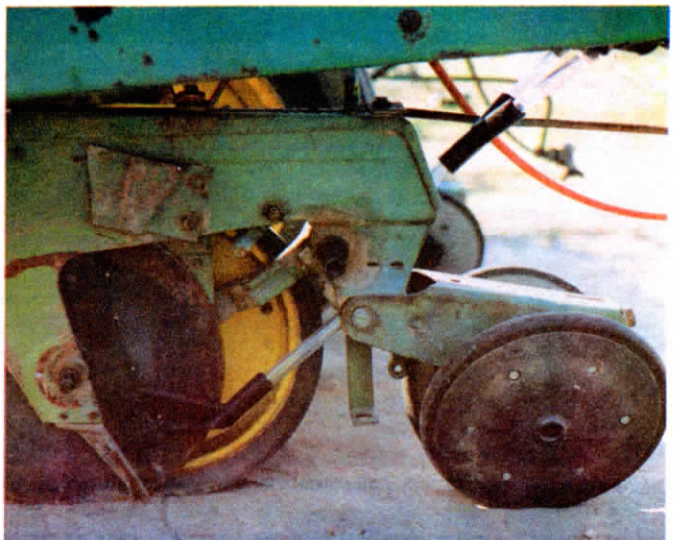
The add-on points, made by Gen Mfg., are designed to be welded to the top of shovels or points on cultivators, chisel plows, air seeders, hoe drills, moldboard plows, anhydrous ammonia applicators, etc.

"They dramatically improve the life and performance of any tillage tool," says Miller. "You spend less time changing shovels or points and they do a better job because the point remains sharp and stays in the ground

better. We make 40 different points, each specifically designed for a different tillage implement although some points are interchangeable between implements. Many farmers start out by using 8 or 12 points that run in their tractor wheel tracks where points wear more. Once they see how our points perform, they put them on all their equipment. We also make bolt-on hoe drill points that replace the original factory points."

Prices range from \$5 to \$8.50 for most points although subsoiler points sell for up to \$16.

Contact: FARM SHOW Followup, Page Ironworks, Box 64, Page, N. Dak. 58064 (ph 701 668-2457).



Bracket snaps onto back of seed tube and is designed to hold applicator tube from granular chemical box.

BETTER IN-FURROW PLACEMENT OF GRANULAR CHEMICALS

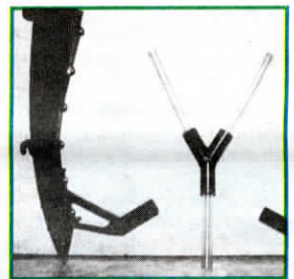
Seed Tube Bracket For Deere, Kinze Planters

After you get a look at this new add-on bracket for planter seed tubes, you'll wonder why no one ever thought of it before.

The bracket attaches to the back of the seed tube and is designed to hold the applicator tube from the granular chemical box. Eliminates the L-bracket (on Deere, Kinze, and New Idea planter units) which is positioned 10 to 12 in. behind the seed tube. "Under many conditions, that's too far back. The furrow is already closing by the time you drop the chemicals, so they're wasted," says John House, Oak Grove, Louisiana, inventor of the new "Tube Alignment Bracket". He came up with the idea last year and has already sold thousands of units. Many Deere dealers have started putting them on new planters, and Deere & Co. officials took a look at the new bracket but have not yet licensed it from him.

The bracket simply snaps onto the back of the seed tube using two tie straps that hold it in place. It fits over the rivets on the back of the tube. On Deere 7100 planter tubes, which have smooth backs, you can either bolt the unit in place or replace the seed tubes with new ones.

The bracket is made of chemical-resistant poly. Works under any conditions. House says it's particularly handy for no-till



Seed tube with bracket installed at left. Y-Tube at right.

because it won't snag on trash the way the L-bracket can.

Sells for \$14 a row (depending on dealer). "That's less than \$100 to equip a 6-row planter. You'll save that much back right away in chemical saved," notes House.

He also designed a Y-Tube that lets you combine two application tubes into one so you don't have two tubes trying to drop chemical into a single furrow. You just run the two tubes into the Y-Tube and then run the single output tube to seed tube bracket.

Contact: FARM SHOW Followup, M&J Cotton Farms, Inc., P.O. Box 552, Oak Grove, La. 71263 (ph 318 428-4842).



Chisel point with weld-on point installed and fertilizer tube holder.



Points can also be pinned on, such as this Eagle Beak point on a Case-IH hoe drill.