



Conventional packer wheels follow each planter unit.

New Air Planter

(Continued from cover page)

drill already on the market simply because of its near-perfect depth control. Because it's also as accurate as any row crop planter available, it's the only planting system you'll ever need," Handy told FARM SHOW.

Fertilizer is deep-injected through

a knife mounted directly behind the chisel plow shank. Seed is dropped just behind the fertilizer knife through a 12-in. wide sweep. The sweep is mounted on a depth control bar which allows it to float up and down. A small gauge wheel mounted on the sweep maintains proper depth. Seed is planted 3 in. off to either side of the center of the 12-in. wide sweep, through seed tubes built into the bottom of the sweep, resulting in 6-in. spaced rows. Row spacing can be changed by moving the sweeps or plugging up one of the seed tubes on the sweeps.

"It'll do anything a no-till drill can do and more," notes Handy. "We can deep band fertilizer and incorporate chemical at the same time. We can plant at any given depth and, because the chisel plow brings up moist ground from below, we can start crops under very dry conditions. It maintains precise depth control even on terraces or hills."

The planting units can be used in conjunction with any chisel plow or air seeder and can be easily attached or removed. All rows can be monitored. Packer wheels follow each row unit.

"Even with conventional double disk or hoe drills seed depth often varies 2 to 3 in. This drill won't vary at all once it's set since the planter unit floats up and down as much as 8 in. on the depth control bar. We've even planted grass and alfalfa seed accurately at 1/16th-in. depth," says Handy. "Also, we don't know of any other drill that'll deep band fertilizer in rows parallel with the seed and allow you to incorporate fertilizer all in one operation. What's more, you can tilt the angle of the sweep forward or back to adapt to hard or soft ground or the amount of stubble on the ground."

Handy, who also builds an innovative rod weeder, has been working on his add-on planter unit for the past 7 years. Row units can be set to plant in 6, 7, 8, 9, 10, or 12-in. spaced rows. It sells for right at \$250 per row.

For more information, contact:



The 2,900 gal. tank fills itself in just 4 min. or less.

CONTROLLED FROM TRACTOR SEAT

Self-Load Slurry Wagon Cuts Fill Time In Half

"So far as we know, it's the first self-filling vacuum slurry tanker on the market in the U.S. or Canada," says Larry Zimmerman, Ephrata, Penn., manufacturer of the "Slurry Buggy".

Equipped with full hydraulic operation from the tractor cab, the new Slurry Buggy frees the tractor driver from the task of wrestling with messy pipes and couplings. He simply positions the tanker alongside the slurry

pit. Then, using hydraulic controls, swings out the 8-in. dia. filling probe, which sucks the tank full, closes itself off, and swings back up into field position.

The 2,900 gal. tanker wagon fills itself in just 4 min. "An operator could easily spend 3 to 4 minutes with valves and couplings on a manual system so we're able to cut loading time in half," says Zimmerman, noting that the tanker is also fitted with "peace of mind" features such as up-front indicators that tell if the hydraulic valve at back has closed completely and a level indicator that tells how much is in the tank.

Then tank is made from heavy 5/16-in. steel and features the largest vacuum pump available. Zimmerman designed his own filtering system for the pump that he says practically eliminates maintenance.

The Slurry Buggy unloads through a hydraulically-opened 6-in. dia. rear valve. Pressure is reversed in the tank to blow out the manure and it's spread in up to a 50-ft. swath by an adjustable deflector plate. Zimmerman also offers a toolbar fitted with shanks for injecting manure below ground.

"There are no bearings, chains and or other moving parts that come in contact with the manure so maintenance is kept to a minimum. And, because we've got the thickest tank and largest pump on the market we think it'll be the longest lasting slurry tank ever built," says Zimmerman, a farmer who's just getting into manufacturing. The tank has a 20-in. dia. rear manhole that's located at the rear rather than on top for easy clean-out.

The 2,900 gal. tank sells for about \$10,000. A 1,500 gal. tank, without the self-load feature, sells for \$5,600.

For more information, contact: FARM SHOW Followup, Slurry Buggy Equipment, Co., 148 West Metzler Road, Rt. 2, Ephrata, Penn. 17522 (ph 717 859-3869).



Chisel shank opens up ground, followed closely by fertilizer knife fitted with a 3-way manifold that'll inject dry, liquid or anhydrous. Spring-loaded depth control bar on back supports 12-in. wide sweep, equipped with a gauge wheel. Seed tubes under each wing of sweep plant seed spaced 6 in. apart.

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