



Notched blade cuts through residue as smooth blade makes trench for fertilizer.

## New-Style Starter Fertilizer Bander

You can place starter fertilizer close to the row without disturbing the seedbed with this new-style starter fertilizer bander.

The Nutrimate II consists of a 14-in. dia. leading notched blade and a 12-in. dia. smooth blade. The notched blade runs parallel to the planter's V-opener without disturbing the soil between the fertilizer and seed opening.

"The notched blade will go through heavy trash without plugging," says Larry Kuhlmann, Sunco Marketing, North Platte, Neb. "The smooth blade makes a trench for the fertilizer and throws soil away from the row. Fertilizer can be placed 2, 2 3/4, or 3 1/2 in. from the seed and 1/2 in. above the seed or 1/2 or 1 1/2 in. below it by changing the position of a 'standard'."

Optional dual placement openers are available for splitting applications or apply-

ing different fertilizer solutions at the same time. The openers are also repositioned by changing the position of a pair of standards.

"Dual placement eliminates an extra trip through the field and lets you place fertilizer where it's most effective," says Kuhlmann. "You can apply a light solution of starter fertilizer close to the row on one side to start plants off, and a stronger solution farther away on the other side which plants can tap into once they get growing."

Mounts with four bolts. Single opener system sells for \$330 per row; dual placement for \$550 per row.

Contact: FARM SHOW Followup, Sunco Marketing, Box 2036, North Platte, Neb. 69103 (ph 308 532-2146).



New injector system removes less than 5 percent of cover, even when working in soybean stubble.

## "Lowest-Disturbance Manure Injector On The Market"

"It's far and away the lowest disturbance injector on the market, removing less than 5% of cover, even in soybean stubble," says Randy McMahon about a new-style manure injection system unveiled by Balzer Inc. at the recent Iowa Pork Congress.

"We tested it over a wide range of field conditions last fall, applying nearly 500,000 gallons of liquid manure at rates ranging from 3,000 to 6,500 gpa, and it kept it buried with hardly any soil disturbance at all," McMahon says.

The system makes use of several European design concepts. One is the use of small 2 in. dia. hoses fitted with thin injectors that place manure in the trench. A big 27 in. dia. rolling disk mounted at a slight angle opens

a narrow 2-in. trench in the soil. The disk, which runs just ahead of a gauge wheel, is fitted with a scraper on one side that directs manure into the trench as it keeps the disk clean.

Two cylinders apply downpressure ranging from 300 to 1,500 psi, allowing injection from 4 to 12 in. deep.

Mounted on a 7-in. sq. toolbar, the system is designed for use with Balzer's Magnum series tanks.

It's available in 4, 6 and 8-row configurations. A 6-row unit sells for \$9,250.

Contact: FARM SHOW, Balzer Inc., Co. Rd. 27, Box 458, Mountain Lake, Minn. 56159 (ph 800 795-8551 or 507 427-3133; fax 3640).



Lets you latch, unlatch hitch from the ground without climbing onto the truck.

## "T-Hook" Latches, Unlatches 5th-Wheel Trailers

If you pull a 5th wheel trailer with a pickup or flatbed truck, you'll like this handy new tool that lets you latch and unlatch the hitch from the ground without climbing up onto the truck.

The "T-Hook" is a wood-handled rod with a swivel hook on the end that's designed to handle any type of 5th wheel hitch, and will even open and close deck lids to lift a re-

cessed ball.

Sells for \$37. For certain types of spring-loaded latches, you need a short pivot pin to provide extra lifting leverage on the 5th wheel. It sells for an additional \$8.

Contact: FARM SHOW Followup, Tevis Enterprises, 24551 Trickum Rd., Houstonia, Mo. 65333 (ph 800 883-8334 or 816 879-4576).

## "Fluffer" Stirs Up Bedding In Stalls

You can stir up bedding in free stalls with this skid steer loader-mounted "Fluffer" from Mensch Mfg., Hastings, Mich.

It consists of seven 1-ft. long spring cultivator tines mounted with U-bolts to a telescoping beam made of steel tubing. It quick-atches directly to the front of most skid steer

loaders and swings from side to side 180° as needed.

It telescopes from 6 to 10-ft. Tines can be removed or spacing can be adjusted to adapt it to any barn.

You use hydraulic bucket cylinders to tip unit forward or back to adjust penetration.

## "Safest, Most Economical Space Heater"

"It's a simple way to turn an existing water heater into a space heater. It's also one of the most economical space heaters around because it captures heat from your existing water heater," says Harrold Andresen about a new-style space heater his company, Mechanical Excellence Inc., has developed.

The "Cozy Heater" mounts on a conventional water heater and works like a hot water radiator. It consists of a copper coil housed inside an 8-in. dia. stove pipe that mounts parallel to the water heater. The copper coil is plumbed into the hot water line. A small fan inside the stove pipe blows hot air out a 90° elbow fitted to the bottom of the stove pipe.

"Response to the idea has been tremendous," Andresen says. "One Montana rancher liked the first one he bought so much he even bought a second water heater, equipped it with another 'Cozy Heater', and is now heating his entire basement with the two units."

A complete kit is available for \$99.95 including S&H, or you can purchase do-it-yourself plans.



Space heater taps into hot water line and runs through stove pipe mounted on side of water heater.

Contact: FARM SHOW Followup, Mechanical Excellence Inc., 1223 Crestdell Drive, Duncanville, Texas 75137 (ph 214 709-5391).

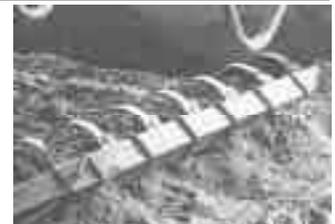


"Fluffer" consists of a 7-ft. long bar that telescopes and swings from side to side.

Depth is from 2 in. to 1 ft.

Sells for \$745.

Contact: FARM SHOW Followup, Mensch Mfg., P.O. Box 418, 2499 S.



Bedford Rd., Hastings, Mich. 49058 (ph 800 945-6678 or 616 945-5300; fax 616 945-5584).