

Step leaves pto open and can be removed in seconds.

KEEPS 3-PT. ARMS FROM FLOPPING AND GIVES YOU A PLACE TO STEP

Stabilizer Step For Tractor 3-Pt.

Flopping tractor 3-pt. arms can be held in place with a new 3-pt. stabilizer that doubles as a step and hydraulic hose holder.

The 28 by 12-in. step simply pins to the 3-pt. arms and rests loosely on the front of the hitch arms so that it can be pivoted up out of the way at any time for pin access to the drawbar. Inventor Roger Kuentz engineered it so it'll fit any tractor of any brand with any category hitch, and still remain level with an adjustment of the step's rotating pins.

The step doesn't block the pto and it'll remove in seconds, if necessary.

It has a skid-proof surface for climbing onto the tractor, or to clean windows. A hose holder at the rear keeps hydraulic hoses tightly in place, when needed.

"One of the main advantages is that it keeps the 3-pt. arms from flopping around, which can damage tires. Eliminates the need to tie or bolt them together," says Kuentz. He sells the stabilizer step for \$26.95, including postage.

For more information, contact: FARM SHOW Followup, Ag Enterprises, Rt. 1, Grainfield, Kan. 67737 (ph 913 673-4728).

DESIGN CREATES "DOWNWARD" AIRFLOW

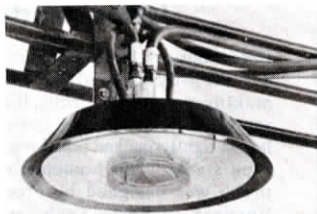
Jet Sprayer Turns Cone Upside Down

An Indiana manufacturer says he's turned the high-tech spray world upside down by inverting the cone on his new sprayer so that, unlike other cone-shaped micro-jet atomizer sprayers on the market, it's positioned with the wide end of the cone towards the ground.

"Rather than throwing chemical straight out to the sides, this sprayer directs air flow toward the ground. It delivers chemical at rates from 1/2 gal. to 4 gal. per acre," says inventor Ray Shepard.

Jet Cones feature infinite speed control from 1,000 to 4,000 rpm's that combines with various flow rates to produce 100 to 450 micron droplets. A fan inside the inverted cone creates turbulence that causes leaves to flutter, increasing the under surface penetration of chemical. The air pattern remains at the same angle regardless of the speed of the Jet Cone. The cone and fan are one piece so there are no springs, clutch or other moving parts.

"It provides a uniform umbrella-shaped wall of air that deposits

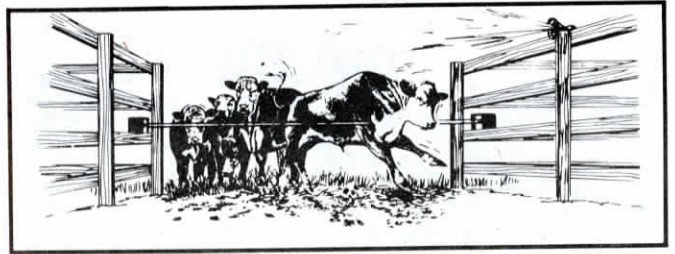


New-style cone varies droplet size from 100 to 450 microns.

chemicals in an even pattern. It also lets you spray at varying rates from the smallest droplets to conventional 40 gal. per acre rates," says Shepard.

Jet Cones sell for \$325 each. Retrofit kits are available for \$162 for farmers who already own hydraulic-driven atomizers.

For more information, contact: FARM SHOW Followup, Shepard Industries Inc., P.O. Box 988, Monticello, Ind. 47960 (ph 219 583-6100).



When livestock enter fence opening, they break invisible light beam which activates flashing light and horn.

FLASHING LIGHT, HORN

New "Gateless" Way To Control Livestock

Latest new way to keep livestock in, yet leave gateways open for driving vehicles through, is the new "gateless" Autogate from Farnam Equipment Co., Omaha, Neb. It uses a horn and flashing light to keep livestock inside penned areas — without cattle guards or conventional swinging gates.

Autogate consists of two photodetector eyes, a timer, 25-ft. of cable, strobe light, horn and 12-V battery. You install the two photodetector eyes on one side of the driveway or fence line opening. They produce an invisible beam of light which reflects back from the opposite side.

When an animal breaks the first beam, a bright strobe light flashes, and, three seconds later, a loud horn sounds to scare the animal back. The second beam allows you to drive machinery through the opening without triggering the alarm — you have two seconds to break both beams and thus deactivate the alarm. This feature works on entry from

either side of the opening. Autogate automatically resets itself each time.

"Livestock won't go through the opening once they've been spooked by the flashing light and horn. We even tried to drive animals through and they refused. Horses, cattle, sheep, hogs and goats have a memory system that tells them through fear not to enter," says Vonda Talbot, marketing manager.

Autogate's effective up to 40-ft. A solar panel is optional for recharging the battery. Another option, for populated areas where the sound of the horn could cause problems, is to use a blast of air from an air tank, rather than a horn, to scare animals back.

Autogate sells for \$495, less battery.

For more information, contact: FARM SHOW Followup, Farnam Equipment Co., 6847 No. 16th St., P.O. Box 12068, Omaha, Neb. 68112 (ph toll free 800 528-1378; or 602 285-1660).

New Shade Screen For Tractor Cabs

"It's a low cost way to make cabs cool and comfortable," says Roger Hofer, marketer of shade screens for tractor cabs.

The screen comes in sets of three — one for each side window and one for the back window. Velcro strips are used to fasten individual screens over the window glass on either the outside or inside, whichever you prefer. The screen doesn't interfere with opening or closing of the windows.

Available in black only, and in one standard mesh (20 by 30 squares per sq. in.) which provides about 70% shading of sunlight. A set of three screens for the two side windows, and the back window, sells for \$39. Sizes are available to fit most makes and models of factory or add-on tractor cabs.

For more information, contact: FARM SHOW Followup, Wheatbelt Inc., Roger E. Hofer, Pres., 112 Santa



Low-cost screens don't interfere with opening of window.

Fe, Box 201, Hillsboro, Kan. 67063 (ph 316 947-2323).