



Width of v-shaped subsoiler adapts to field conditions.

SHANK SPACING ADJUSTS FROM 24 TO 30 IN.

New Eagle Sub-Soiler Can "Flap" Its Wings

Hot off the test plots and due on the market in less than a month is the new Eagle All-Till V-subsoiler.

The All-Till, developed by Eagle Engineering and Manufacturing, Welcome, Minn., is the first subsoiler ever to feature adjustable wings that let you vary shank spacing from 24 to 30 in. Eagle general manager Leon Haala says this feature "gives farmers the ability to adjust the unit to match varying field conditions in all types of crops".

In fields where you want to leave more surface trash, or in wet conditions, you widen the wings out for wider shank spacing. Conversely, to leave less trash on top, you "narrow up" the wings, which also reduces the required tractor horsepower.

The All-Till's wing width is adjusted manually when raised out of the ground or with an optional hydraulic cylinder. It subsoils 20 in. deep and is designed to be a one-pass fall tillage tool, breaking up soil hardpan for better root and moisture penetration.

Key to the success of the All-Till's

adjustable wings are its swiveling shanks that pivot freely on the frame, along with the 20 in. coulters, to adjust to the proper angle for different operating widths. This same pivoting action also lets you turn without lifting the rig out of the soil.

The shanks are spring-loaded to trip over rocks so there are no shear pins to be replaced. They also feature removeable wings (similar to the wings on Eagle's minimum-till plow bottoms featured in FARM SHOW's Vol. 7, No. 5 issue) that provide additional fracturing of the soil.

Haala says the All-Till requires about 25 hp. per shank to pull. Models with 5, 7, and 9 shanks will be available, equipped with drawbar or Cat. III, 3-pt. hitch.

The 5-shank model will sell for about \$6,500.

For more information, contact: FARM SHOW Followup, Eagle Engineering and Mfg., Box 295, Welcome, Minn. 56181 (ph toll free 800 533-0502 or, in Minn., 800 722-0557).

CALF CAN'T BAWL FOR ITS MOTHER

Baby Calf Restrainer

"One man can easily catch and work baby calves up to five days old with this new Baby Calf Restrainer," says Roger Swihart, a distributor for the manufacturer, Agri Future, Isle, Minn.

Instead of tying a calf, you simply slide the restrainer over the animal, then lay it on its side for implanting, castrating, injections and other treatments. While in the Restrainer the calf is held tight and can't kick, or bawl for its mother.

Made of rigid steel rod, with wire mesh sides, the Restrainer weighs 11 lbs. and is easy to carry in your pickup, or on a horse.

Sells for \$98.95.

For more information, contact: FARM SHOW Followup, Agri-Future, Rt. 1, Box 189, Isle, Minn. 56342 (ph 612 679-4565).



Restrainer holds calf tightly for easy treatment.

GIVES YOU A 12-IN. STRIP OF "PERFECT PROTECTION"

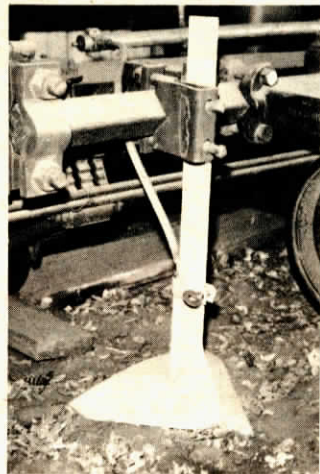
Underground "Bander" Cuts Chemical Costs

Several years ago, Kenneth Smith decided he was spending too much on chemical weed killers and that some of the herbicides he was using were dictating the way he farmed because of carryover problems. So, he designed and began using a herbicide bander that works so well both he, and many of his neighbors, have cut their chemical costs and have gone back to rotating their corn ground.

Smith's bander consists of a wide, slightly curved sweep that mounts in front of each planter row and rides horizontally just under the ground surface. Beneath the sweep is a special flood jet nozzle — protected from plugging by a small metal shield — that sprays a 12-in. band of chemical out behind the sweep. The seed is then planted just below and directly in the center of the chemical band so that there's an almost perfect strip of weed protection on the row.

"On 36-in. rows we save two-thirds of our previous chemical cost and a trip over the fields to incorporate. Also, when using Atrazine, there is only one third as much chemical in the ground so we no longer have a carryover problem and are able to follow up corn with wheat with no crop loss," Smith told FARM SHOW.

The herbicide bander's shanks mount on an extra toolbar installed on the front of the planter. Max-Emerge planters are equipped for an extra bar but International and other planters have to be fitted with extra brackets to hold the bar. Smith sells the bander and shank equipped with the flood nozzle. The buyer supplies the toolbar and brackets to hold the shanks.



"Weed Bander" bolts to add-on toolbar in front of row units.

Smith uses the same spray rates with his bander as for broadcast spraying. He says the sweeps take practically no extra power to pull in conventional tilled ground — he hasn't used them in no-till ground — and, after several thousand acres, sees virtually no wear on his sweeps or those of his neighbor-customers. He says the only problems with the herbicide banders so far has been a tendency to gum up in some wet soils.

The herbicide sweeps sell for \$80 a row.

For more information, contact: FARM SHOW Followup, H & K Smith Farms, Rt. 2, Box 4, Granger, Wash. 98932 (ph 509 854-1896, or 854-1636).

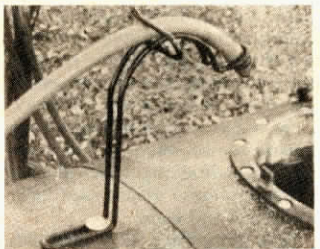
PREVENTS BACK-SIPHONING OF WATER INTO WELL

"Safe-T-Fill" Keeps Hoses Out Of Tanks

Safe-T-Fill, a farmer-invented device, is the handy new way to keep water hose out of the spray tank during filling, thus keeping it from coming in contact with chemicals.

Manufactured by T & M Products Co., Columbus, Neb., Safe-T-Fill prevents possible back-siphoning of solution into the water well. Plus, with the hose in the Safe-T-Fill, it's easy to rinse out chemical containers without moving the hose. The hose slides into it and is held secure from jumping out, even with high water pressure, the manufacturer points out.

Safe-T-Fill bolts to the top of your sprayer with one bolt. Sells for \$8.95, plus shipping.



Safe-T-Fill holds hose above tank opening.

For more information, contact: FARM SHOW Followup, T & M Products Co., Box 404, Columbus, Neb. 68601 (ph 402 564-6943).