

## FITS ON MOST MODELS

# Front Mounted Pto For 4W-D Tractors

First on the market with a pto kit that lets you power pto implements off the front of your 4-wheel drive tractor is the Crary Co., Fargo, N. Dak.

"This kit enables you to use your 4-WD tractors on stationary applications, such as grain augers, silage blowers, generators, irrigation pumps and for short term dynamometer horsepower testing," reports Dave Majkrzak, vice president of engineering for the company. "With modifications on the implements, you can also use the pto for mobile applications, such as powering snow blowers and corn choppers."

"We're introducing kits to fit most popular big 4-WD tractors," Majkrzak adds. "Some tractor companies do have pto packages for the back of their tractors but this will give farmers who have tractors without pto's an alternative. Also, some farmers want a front pto to power a front-mounted implement."

Installation of the pto kit involves putting a 3 3/4 in. wide sprocket, 10 in. in dia., on the front of the crankshaft. If there isn't enough room for the sprocket, the fan will have to be extended and the shroud shortened.

A metal framework bolts to the frame of the tractors. Some tractors will have predrilled holes, other will require drilling of the bolt holes to bolt on the framework.

The sprocket with the 1,000 rpm shaft attaches to the framework, adjusting so the sprocket is in line with the pulley. A high horsepower cog belt slides over the two sprockets. The belt is capable of withstanding over 200 hp. at 1,000 rpm output speed.

An electric clutch engages the pto. The switch can be placed anywhere in the cab. On Steiger tractors for example, there is an empty switch that can be wired to the pto clutch. Crary provides decals that fit on the tachometer telling the pto speed. You'll need to check the manufacturer's recommended hp setting for operating the pto.

"It will take about 6 man hours to install the kit," Majkrzak notes. "But it'll take longer if you have to extend the fan and change the shroud."

Majkrzak adds that the pto sits higher than the rear drawbar on the tractor. If needed, the pto can be removed in less than an hour.

A front pto kit for a Steiger ST-225 sells for \$3,275. Kits for other tractors are comparably priced. Rpm speeds other than 1,000 will also be available.

For more information, contact: FARM SHOW Followup, Crary Co., P.O. Box 1779, Fargo, N. Dak. 58107 (ph 701 282-5520).



Front mounted pto for 4-wheel drives is powered off the tractor's crankshaft.



Mini-Floater lets you get in the field long before custom floaters.

## PAVES THE WAY TO ALMOST PERFECT NO-TILL WEED CONTROL

# New 3-Wheeler Sprayer Gets Chemicals On Early

Getting surface applied herbicides on in early spring before weeds germinate is the key to success for two Illinois no-till farmers who have begun manufacturing the 3-wheeler sprayer that gets them into even the wettest fields without leaving a track.

Jeff Mick, Edwardsville, and Mike Vieth, Worden, have no-till farmed for eight years. They say that weed control, which was once a big question mark, is something they can now control completely. What's more they have eliminated contact herbicides, cutting a third off their chemical bill in no-till corn, no-till full-season beans and no-till double-crop beans.

"Surface applied chemicals need moisture to be effective. When they're used at planting time there's no guarantee there will be enough moisture. However, if you can get chemicals on as early as possible, when the fields are still wet, control is almost 100% guaranteed," says Mick.

The "Mini Floater" is designed to be pulled by an all-terrain 3-wheel cycle. In fact, the half-size sprayer is equipped with flotation tires identical to those on a 3-wheeler. It carries a 20 ft. boom outfitted with electric drive rotary nozzles, which require less water and thus reduce the amount of weight the three wheeler must handle. The sprayer carries either a 25 or 50 gal. tank, and is powered by a gas engine which drives the spray pumps and motors. Boom

height is adjustable and it folds for transport.

Mick says he and his partner considered hiring either a floater or an airplane to apply their chemicals early but felt both alternatives were prohibitive. "A floater leaves tracks while airplanes are expensive and probably not as accurate as our Mini Floater, which is both accurate and fast. You can travel at 10 mph, covering 10 to 15 acres per hour."

Mick and Vieth have participated in a program with Elanco, applying the company's Surflan with the mini-size rig. Under terms of the program, part of the chemical is applied very early and the rest at planting. They say it has proven practically 100% effective.

The Mini Floater can also be used in-season, either when it's too wet for conventional equipment, or to plant in drilled crops. "It lets you apply Basagran or Blazer in drilled beans without damage no matter what the ground conditions are," says Mick. "Another use is in standing wheat with 2-4D for garlic or other weed infestations."

The Mini Floater, which can be outfitted with a hand spray wand for spot spraying around fence rows or buildings, sells for right at \$2,500.

For more information, contact: FARM SHOW Followup, J.M. Innovations, Rt. 8, Box 232, Edwardsville, Ill. 62025 (ph 618 667-6089 or 633-2609).

## FITS GENERATION II MODELS

# New "Safety Step" For Deere Tractors

"Safety Step mounts on John Deere Generation II tractors, providing a safe step to stand on for fueling, checking the radiator and getting into the cab," explains Colin Craig, president of R.C. Craig Mfg., Inc., Kokoma, Ind., the manufacturer.

"The step also helps keep mud and snow out of the cab and is a place to carry rocks. While it hasn't been tested to see how much weight it can hold, it should safely support up to 300 lbs.," says Craig.

Safety Step mounts in just 15 minutes with 6 bolts. To install the 33 in. long by 18 in. wide step, you remove the lower step from the regular tractor step and bolt one L-shaped Safety Step brace to the first frame hole in front of the battery box. The other brace bolts to the frame just in front of the motor mount. Next, slide the grate into place, positioning it so the front tire doesn't hit the step.

The Safety Step sells for \$114, off the factory.

For more information, contact: FARM SHOW Followup, R.C. Craig Mfg., Inc., 951 N. Co. Rd. 600 W., Kokomo, Ind. 46901 (ph 317 452-7534).



Safety Step keeps the cab clean and is handy for service.