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Over-The-Row Rotor Tiller

Myron Kinney raises flowers that he sells as "pick your own". In order to weed the narrow rows, he built an over-the-row tiller that lets him clean up two rows at once.

He used two walk-behind tillers to build the tractor-mounted unit. Both had worm-drive gearboxes, which he drives with one #40 roller chain. It drives sprockets on both tillers. The main drive sprocket is pto-driven by the tractor. An idler sprocket mounts above the main drive sprocket.

The main frame came from an old 4-row Ford cultivator that Kinney cut down to two rows.

He uses the 2-row tiller behind a Kubota 31-hp. tractor with its wheels set in for 40-in. spacing.

"The tractor has a 3-speed pto. I run the tiller with the pto at high speed. The flowers are spaced equi-distant so I can work them traveling in both directions, eliminating the need for hand weeding. It's a great time-saver," says Kinney.

For more information, contact: FARM SHOW Followup, Myron Kinney, 7500 State Rd. 158, Columbia, Ill. 62236 (ph 618 476-7287).



Telescoping light bar mounts on back of tractor or on the back of wagons or other equipment.

Light Bar Fits Any Width Implement

Robert Neisen tired of trying to keep warning lights working on all his equipment. He decided to develop a better way.

The Delano, Minnesota farmer came up with a solution that he believes will solve warning light problems for a lot of other farmers, too.

Using an 8-ft. long section of 1-1/4 in. square tubing and two 4-ft. pieces of 1-in. tubing, Neisen made a telescoping bar that he can safely extend out to about 14 ft. wide. He installed a set screw on each end of the center section of the bar to fasten the telescoping sections securely. Then he mounted flashing lights on the ends of the telescoping sections. The lights are protected by open end sections of pipe at each end of the boom.

The lights on Neisen's extending light bar are normal 12-volt emergency flashers. He wired these to a regular extension cord, leaving the female plug intact. Another length of extension cord wires into the tractor, with the male plug on the loose end.

He mounts the light bar on the back of his



A flashing light mounts at each end of light bar, which can be extended out to about 14 ft. wide.

tractor when he has nothing behind it. When he's pulling wagons or equipment, he mounts the light bar on the rear-most vehicle. He simply runs the extension cord from the tractor back to the boom to power it.

Neisen will put plans together for the light bar if there's enough interest.

Contact: FARM SHOW Followup, Robert J. Neisen, 3946 County Road 30 SE, Delano, Minn. 55328 (ph 612-972-2207).

Remote-Controlled Fire-Fighting Nozzle Mounts On Pickup Bumper

"We've had tremendous interest from local fire departments and some large farmers who do a lot of burning," says Warren Redden, inventor and manufacturer of the "Range Fire Terminator" – a remote-controlled fire-fighting nozzle that mounts on the front bumper of a truck.

Movement of the nozzle is controlled by a joy stick inside the cab. A powerful light mounts directly on top of the nozzle so it moves as the nozzle moves, making it easy to see, even at night.

"You don't even have to get out of the truck for some fires. One firefighter told me he got called to a car fire along a road one cold night and he just pulled up and put it out without even climbing out of the truck. It puts water precisely where you need it," says Redden.

The nozzle puts out 20 to 95 gpm at 120 to 130 psi. It can be adjusted from inside the cab. Depending on the truck, it can be mounted on a tilt-down bracket so you can simply fold it forward when you need to get under the hood.

"It lets you start fighting a fire as soon as you drive up. And if the wind changes, you don't have to haul hoses – you just move the truck. It's great on grass fires because you can cover a lot of ground fast," notes Redden.

All electric motors are enclosed. Steel parts are zinc-plated or powder coated. All



Fire-fighting nozzle mounts on front of pickup bumper and is controlled by a joy stick inside cab. Note spotlight on top of nozzle.

hardware is stainless steel. The nozzle swings 220 degrees. Vertical travel is 60 degrees.

Sells for \$4,400. Redden will build a do-it-yourself mounting kit to fit almost any truck.

Contact: FARM SHOW Followup, Warren Redden, TRG, Inc., 9440 S. Kipp Rd., Gypsum, Kan. 67448 (ph 785 536-4348; fax 785 536-4377; Website: <http://www.wwwebservice.net/terminators/>; E-mail: trg@sesaline.com).



New Mattracks track conversion system is available for smaller 4-WD tractors. It consists of four separate sets of 16-in. wide tracks.

Add-On Tracks For Smaller Size Tractors

Visitors to the recent California Farm Equipment Show got to see the Mattracks track conversion system mounted on a 50 hp Deere MFWD tractor. For years, Mattracks tracks have been available to fit any 4-WD vehicle including pickups, vans, and SUV's (Vol. 19, No. 6 and Vol. 23, No. 5). Now they're available for smaller 4-WD tractors. It consists of four separate sets of 16-in. wide tracks.

The new Track-Tor-Assist conversion system features a patent pending gear system that allows different gearing to be used to compensate for the many different tire and gear ratios used in front wheel assist tractors up to 85 hp. They're also designed to retrofit to center pivot irrigation systems.

"The conversion system takes less than an hour to install and requires no modification. You simply remove the wheels and bolt the tracks on in their place," says Jerry Brazier,

vice president of sales and marketing.

The company also introduced a new, improved version of its Trail-R-Mate trailer track conversion for non-powered, solid axle implements units such as sprayers, wagons, etc. It now features a pneumatic suspension that provides a smoother ride. It takes only about 20 minutes to install a pair of Trailer-R-Mates, again with no modification.

Mattracks also had on display one of their five different 4-WD pickup and light truck track conversions that are available for up to 1 1/2-ton vehicles. The tracks turn a light truck into a flotation machine that can be driven at speeds up to 40 mph.

Contact: FARM SHOW Followup, Mattracks, Inc., 202 Cleveland Ave. E., Karlstad, Minn. 56732 (ph 218 436-7000; fax 7500; Website: www.mattracks.com).