



**Solar-powered fly sprayer is designed to be placed in a gateway. It automatically sprays insecticide onto cattle without causing stress to the cattle or operator.**

## Solar-Powered Automatic Fly Sprayer

“Our new solar-powered fly sprayer automatically sprays insecticide onto cattle without causing stress to the cattle or operator. It works especially well for rotational grazing,” says Glenn Spencer of Great Plains Marketing, LLC, about the 3-D Quik Hand cattle sprayer. It was on display at the recent Oklahoma City farm show.

The self-contained sprayer comes mounted on a 2-wheeled dolly that tows behind any vehicle equipped with a 2-in. ball. The totally electronic unit is designed to be placed in the gateway, between the pasture and a pond or mineral source, or anything else that will draw the animals through the sprayer. It comes equipped with a battery, solar charger, 15-gal. tank and expandable wings to close off the gate opening. V-shaped centering bars

direct cattle through the center of the sprayer, one at a time.

A pair of laser beam sensors spaced 12 in. apart detect the animal and cause the sprayer to activate. The unit can be set up to spray cattle going in one direction only, or in both directions. The sensors detect the direction of passage and spray only as the animal exits the unit.

“It provides efficient and effective fly control for cattle and requires very little maintenance because the cattle basically treat themselves,” says Spencer. “The 3-D stands for ‘3-dimensional’ because the sprayer applies insecticide to all sides of the cow’s body – sides, belly and legs and back – in one pass.”

Spencer says the sprayer was invented by



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an Arkansas cattleman for his own use. “He got a patent and built several units for local ranchers. The demand became so great that he hired me to set up mass production and to do the marketing. We’re now setting up dealers and distributors all across the U.S.”

“It works a lot better than using fly tags or driving around with a 4-wheeler trying to spray animals, or rounding up the animals into a corral and then spraying them. The animals can walk through at their own pace without any stress.”

The sprayer offers several other features. It can be adjusted to spray the animal’s back only and switch to stream instead of spray with an extra spray tip that’s included. There’s an adjustable automatic shut-off if the cow stays too long, and an adjustable

delay so it doesn’t get sprayed in the face and want to back out. There’s also a float switch in the tank and an indicator light so the sprayer will shut down if the tank runs empty. “The system can be set up to shut itself off automatically, without you having to babysit it,” says Spencer.

The unit even counts the number of cattle passing through the sprayer.

Manufacturers’ suggested retail price for the 3-D Quik Hand cattle sprayer is \$3,395 plus S&H.

Contact: FARM SHOW Followup, 3-D Cattle Equipment, LLC, 320 Old Waters Hwy., Pine Ridge, Ark. 71961 (ph 816 351-5628; www.3dcattle.com; greatplainsmarketing@gmail.com).



**Skid loader-mounted 48-in. rotary mower can rotate up to 180 degrees, making it ideal for heavy roadside clearing.**

## Skid Loader-Mounted Mower System

Jordan Leib with Eterra Attachments, LLC, recently contacted FARM SHOW about the company’s new skid loader-mounted, RT-20 boom mower. The 48-in. rotary mower can rotate up to 180 degrees, making it ideal for heavy roadside clearing.

Other mower heads available with the Raptor system include a 36-in. flail mower, 5, 7 and 9-ft. sickle heads, and a string weed trimmer.

The boom arm is operated using a high-tech wireless controller. A built-in linear actuator is used to control the swing, breakaway, and park. A hydraulic rotary actuator acts as a breakaway to protect the boom arm and mower head from damage in case of any contact, and the advanced hose routing protects the hydraulic circuits.

“The history of this skid loader-mounted mower system goes back more than a decade, with working models marking each new innovation,” says Leib. “In 2014, we redesigned the system to include the rotary mower head. It lets you mow straight ahead or up to 22 ft. out to the side. Or, you can use it to mow brush as high as the loader arm can

reach.”

He says their biggest customers have been park management associations, universities, off-road clubs, government municipalities/townships and even the U.S. military, but some farmers have also bought them.

According to Leib, the biggest selling point of the Raptor system is its versatility and cost efficiency. “You can do a variety of tasks such as roadside brush clearing, maintaining fence lines, ditch clearing, and more, eliminating the need for multiple mowers. And, you have a great view in front of you. The wireless controls are easy to operate, and when you’re done using one attachment you can disconnect it in less than a minute and pick up a new one.”

The RT-20 boom arm without attachments retails for about \$18,995.

You can watch a video of the Raptor in action at [www.farmshow.com](http://www.farmshow.com).

Contact: FARM SHOW Followup, Joseph Leib, 2316 E. Bakerview Rd., Bellingham, Wash. 98226 (ph 360 319-5203 or ph 866 966-2538; [www.skidsteersolutions.com](http://www.skidsteersolutions.com)).

## Hillside Mower Levels Itself On Steep Slopes

The 72LC hillside mower from Harper is built for rough terrain, easily handling slopes of up to 34 degrees. While the mower hugs the slope, the auto-leveling system keeps the engine and control platform upright. When the mower reaches the crest of a hill or the sides of a ditch, the two 36-in. deck halves float independently.

“Most of our sales are to governmental agencies or contractors,” says Byron Riesen, Harper Industries. “It’s ideal for use on levees, dams and other water retention structures, as well as ditches and overpasses. Landfill operators are another good market, as well as airports with sound barriers.”

The mower is powered by a 30.2 hp Yanmar liquid-cooled diesel. Blades are hydraulically-driven with no belts or gearboxes. The Parker wheel motor ground drive is also hydraulic with a hydrostatic transmission.

The 72LC list price is \$44,000. “Our dealer network sometimes takes in used machines on trade,” notes Riesen. “Visit our website or give us a call for the closest dealer, including two in Canada.”

You can see the Harper 72LC in action at



**Auto-leveling system on hillside mower keeps engine and control platform upright on steep slopes.**

[www.farmshow.com](http://www.farmshow.com).

Contact: FARM SHOW Followup, Harper Industries, Inc., 151 E. U.S. Hwy. 160, Harper, Kansas 67058 (ph 620 896-7381; toll free 800 835-1042; [www.harperurfequipment.com](http://www.harperurfequipment.com)).

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