

New Electric Fencer Requires No Insulators

New from Baker Enterprises is the Bee Fencer that "makes old fence work like new — without insulators."

The Bee will charge fencing stapled directly to wooden posts, according to Gary Boswell, engineer for Baker Enterprises, Edmondton, Alberta, Canada. It's available in a power-line model which plugs into a regular 110-volt outlet, a 12-volt battery model, and a special model for controlling coyotes and other predators.

"All three models produce a regulated, high current pulse of very short duration. Weed burner type fence controllers, on the other hand, use a low current for long period of time," explains Boswell. "A high current pulse overcomes losses due to posts, grass, weeds and brush, and the short pulse duration prevents the controller from causing grass fires or being electrically hazardous."

Baker Enterprises recommends that barbed wire be used with the Bee. "Smooth wire without barbs, such as old telephone wire, isn't recommended because thickness of animal's fur insulates the animal from the shock. Barbs will penetrate the fur, making contact with the animal's skin," says Boswell.

"The range of the Bee fencer is limited to how well the ground can return the current. In order for an animal to feel a shock, current must go through the fence wire, through the animal and back through the ground or ground wire. Thus, a single charged wire will work will only where the ground is a good electrical conductor," Boswell points out.

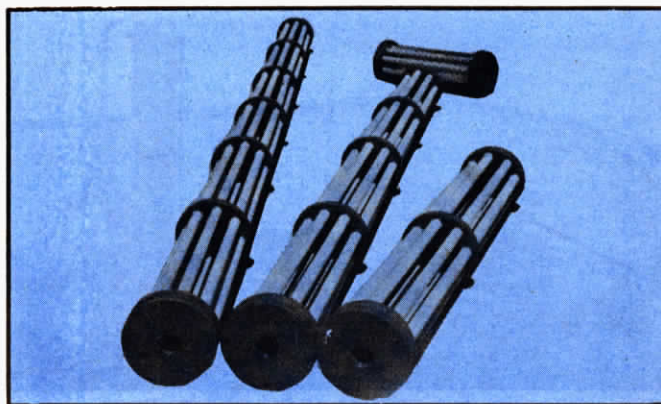


Bee fencer is available in 12 V. battery model, or one that plugs into regular 110 V. outlet.

Price of the power-line charged Model 7721, and the 12-volt battery operated 7722 (a rechargeable automotive battery is recommended), is \$99. Each unit will handle a quarter section of 3-wire fence. The model 7724, for predator control, sells for \$135 and will charge a mile of single strand fencing.

Baker Enterprises also offers a Fence Matching Transformer. The transformer is designed to increase effective fence voltage, and to decrease the maximum current available to the fence. The greater the fence voltage, the more effective the fence will be in poor ground conditions for control of predators and for control of sheep or other animals with thick fur. Price of the transformer is \$30.

For more details, contact: FARM SHOW Followup, Baker Engineering Enterprises, Box 8340, Station F, Edmondton, Alberta, Canada T6H 4W6 (ph. 403 465-5884).



READILY ADAPTS TO NEW OR EXISTING LAGOONS, PITS

New Bubble Machine Deodorizes Manure

If you're having odor problems with a manure pit or lagoon, a new "bubble machine" may be the answer. Called the Aero-Flo Sparger, it's made up of sparger tubes which generate billions of fine bubbles, each from 1 to 5 microns in dia., per lineal ft. of tubing. Compressed air at up to 50 psi is forced through the tubes.

"An Indiana farmer was on the verge of selling confinement beef feeding setup due to neighbors' complaints of odors when he decided to install an Aero-Flo Sparger system. It saved the day," says Jack Adams, director of engineering for Pollution Control Development Corporation, Wentzville, Mo., manufacturer of the new Aero-Flo Sparger.

It can be installed in lagoons, or in deep manure pits inside confinement buildings. Units are available in standard lengths of 24, 48, and 42 in. and can be easily customized for special applications of configurations in new or existing applications. Adams says systems are already operating in hog and beef operations in Indiana, Ohio, Pennsylvania, Missouri and Nebraska.

He notes that an existing lagoon need not be drained to install an Aero-Flo Sparger system. Most installations have 2 or 3 hp. electric motors to compress air for the system's operation, but very large units may require up to a 7½ hp. motor. Depending on the system layout and size of the pit or lagoon, the sparger normally operates from 8-12 hrs. daily.

Aero-Flo Spargers used in manure pits of confinement buildings are spaced about 8-ft. apart. A small recirculating pump may be necessary to keep the manure moving. Sparger tubes are made of a special porous ABS plastic which forms minute air holes as the tubing is shaped. The holes are smaller than water droplets in liquid manure so there's no problem with water backup into the tubing. Also, pressurized air flow tends to keep holes open and the units clean, Adams points out.

For more information, contact: FARM SHOW Followup, Pollution Control Development Corporation, 206 North 4th Street, Wentzville, Mo. 63385 (ph. 314 427-5121).

"BUMPER JIM" CARRIAGE

Slick Way To Mount Spray Tanks On Tractor

"We couldn't keep up with demand so we turned it over to a company big enough to handle it," says farmer-inventor Jim Henning, whose unique front mounted carriage for mounting spray tanks on big tractors was first featured in FARM SHOW a year ago. It is now being produced and marketed by Lee Blacksmith, Rochelle, Ill.

The front-mounted Bumper Jim carriage is available with single or dual wheels, depending on size of the tanks to be carried.

In addition to fast hookup, Bumper Jim is said to provide greater capacity for carrying herbicides and puts less weight on the tractor. "You don't break axles and bearings from carrying all that extra weight. And, the tractor is free to carry a rear-mounted cultivator for once over, lay-by cultivation, fertilizing and spraying," the manufacturer points out.

Bumper Jim units can be fitted to both two-wheel and four-wheel drive tractors. The largest 1,000 gal. unit (two 500-gal. tanks) weighs 1,200 lbs. (without the tanks). Carriages for two 400 or two 300 gal. tanks are also available. Tanks generally are used for herbicides but can also be used for liquid fertilizers and insecticides.

Three-fourths of the weight is carried by the Bumper Jim and its 16.5 L caster wheels. The frame has a walkway for easy filling and servicing. The unit swivels to follow contour of the ground independently of the tractor.

Approximate cost is \$2,600 with single wheels, and \$3,400 with two sets of dual wheels.

For more details, contact: FARM SHOW Followup, Lee Blacksmith, Inc., Rt. 51 S., Box 27, Rochelle, Ill. 61068 (ph. 815 562-5591).



Bumper Jim carriage is available with single wheels (as shown) or with two sets of duals on each side. Up-front unit swivels to follow ground contour.