



Flotation tires carry the Fire Fighter and its 335 gal. of water to pastures, woods or other off-road locations.

LETS YOU FIGHT FIRES INSTANTLY

New Farm-Size Fire Fighter

"Many farms and ranches are 20 minutes or more away from fire equipment protection. Yet, it's the first 20 minutes that determine whether or not a home, barn or other building will survive. With this unit, you have instant fire-fighting capability right on your farm or ranch," explains Takis Kotis, manufacturer of the new Alco Farmstead Fire Fighter.

The self-contained unit is designed to let you get the jump on rural fires instead of waiting hopelessly for help to arrive from town. At \$6,100, even small towns that can't afford expensive new or used fire trucks can buy one. No special training is required to run the machine, according to Kotis.

"This unit can stand ready twelve months a year without heated storage, regardless of the outside temperature. A farmer can store it in an unheated shed, full of water, and never worry about it freezing up," Kotis

told FARM SHOW. "A heating element protects the 335 gal. fiberglass water tank from freezeup during the winter."

Besides the water tank and 150 ft. of hose, the Alco Fire Fighter contains a 10-gal. backpack water sprayer, a 5-gal. chemical fire extinguisher, a fire axe, shovel and steel brush and grass fire broom. The water pump on the base unit is powered by a 7 hp. Briggs and Stratton engine and delivers 400 to 600 psi. at 10 gpm. The machine has a 35 minute fire-fighting water supply.

The Fire Fighter rides on flotation tires that can carry it to pastures, woods and other off-road locations. The trailers has a 2-in. ball hitch.

For more information, contact: FARM SHOW Followup, Alco Engineering International, 6182 Olson Memorial Highway, Minneapolis, Minn. 55422 (ph 612 542-9590).



Cantrell invented the electric hitch after a brush fire on his Georgia farm.

SOLENOID-ACTIVATED JAWS

First Electric 3-Pt. Hitch

You've never seen a quick hitch like the new 3-pt. "electric" from CJC Industries in Orchard Hill, Ga.

"You can activate the claws with a switch from the tractor seat, a feature that's especially handy for hitching up implements on uneven ground. You can grab one side, then move the implement into position for easy hookup of the other side," explains

Jan Cantrell, vice president.

Cantrell says her husband invented the hitch after a brush fire on their Georgia farm. "He wanted to cut a fire break with the mower, but because of problems with his 3-pt. and the tilted work the heavy mower was sitting, it took him 45 minutes to hook it up. All that time, the fire was burning."

The power claws are activated by

TRICKS COYOTES INTO THINKING PEOPLE OR DOGS ARE IN THE AREA

"Electronic Shepherd" Scares Away Predators

Latest new weapon for protecting sheep against coyotes and other predators is the "Electronic Shepherd", a sound-producing device that protects sheep in the absence of man. It's a basic tape player operated by an electronic timer. The tapes are recordings of the sounds of barking dogs, men talking, rock music singers and gospel songs.

"It's based on the principle that a coyote is afraid of people and dogs," explains Bill Coyle, inventor of the Electronic Shepherd. "If predators can be tricked into thinking dogs and people are in the area, they'll stay away."

Coyle suggests that owners of sheep place several of the tape players among the flock, usually where the sheep bed down. The Electronic Shepherds operate between sunset and sunrise, playing a minute of tape every 15 minutes. "But coyotes are smart," says Coyle, "so you have to keep changing the tape that is being played and the location of the tape player. Coyotes are spooked by the intrusion of the unit into their territory and will typically take 2 to 3 weeks to adjust to the intrusion. If the unit is moved a quarter mile and the tape changed, it will take another period of time for the coyote to adjust."

Coyle suggests that the tape of hound dogs barking be alternated about every two weeks with a strong male vocalist on tape. And, he cautions that plain music without a vocalist will not scare a coyote.

How many Electronic Shepherds are needed to protect a flock? A lot depends on the size of the flock, size of pasture or range, and type of terrain.

"A Montana rancher uses two units for 4,000 ewes on 300 acres of irrigated pasture," says Coyle. "A Texas rancher uses eight units for 3,000 ewes on 30,000 acres of rolling, brushy range. Quite a few are used in and around fenced pastures and corals."

The Electronic Shepherd is now in commercial production by B & B Enterprises, of Fortuna, Calif. More than



A Montana rancher uses two 'Electronic Shepherds' to protect 4,000 ewes on 300 irrigated acres.

100 units have been sold in 13 states west of the Mississippi River. Cost of a unit is \$270, plus tax and shipping cost.

One satisfied user is Floyd Johnson, of Boonville, Calif., who runs a flock of 2,000 sheep on 4,000 acres in the coastal range of northern California. He uses 9 units in the sheep bedding areas.

"We've lost as much as \$30,000 to coyotes in one year, and in one area we lost 125 lambs in two months," Johnson says. "Last year, with the Electronic Shepherds, one area across the creek had no losses. They definitely have helped reduce our predator problems."

But Johnson emphasizes, however, that this new device is just one more tool for sheep protection, and all other predator control methods must be continued. "Our son works year around trapping and shooting coyotes and is barely making a dent in the estimated 10,000 population of coyotes in our county alone," he notes.

The Electronic Shepherd was designed to control coyotes in sheep flocks, though it could have application for other predators, and could possibly be used for protecting poultry or turkey flocks.

For more information, contact: FARM SHOW Followup, B & B Enterprises, P.O. Box 77, Fortuna, Calif. 95540 (ph 707 725-9742).

12 or 6-V battery power. The claws extend the reach of the hitch arms about 6 in. so an extension is supplied for the upper stabilizing bar on the 3-pt., which is still hooked up manually. Cantrell says they are developing an automatic hook-up for that, too.

CJC also makes an identical manually-operated version of the hitch with claws that snap shut as they contact the implement, as well

as a hydraulically-operated model. All hitches are available in all categories to fit most any size implement, although the Cantrells say most interest has been for Cat. II hitches.

The electric hitch (Category II) sells for \$425.

For more information, contact: FARM SHOW Followup, CJC Industries, Inc., P.O. Box 219, Orchard Hill, Ga. 30266 (ph 404 228-3533).