



Aluminum-bodied, three-passenger vehicle runs on snowmobile tracks.

## Tracked ATV Runs On Land, Water

A new-style tracked ATV runs as well on water, mud, snow, and ice as it does on solid ground.

The Trak-Tour is ideal for use around a farm or ranch, says Ardean Grefsrud, one of the designers. An optional rear 3 pt. hitch, a hydraulic port, an electric bow-mounted winch, winch-controlled blade, and front-mounted snowblower and mower are available.

The aluminum-bodied, three-passenger vehicle is powered by a Kohler 25 hp gas engine with a top speed of 20 mph on land and snow and 10 mph in water. The engine drives a hydrostatic transmission that independently drives and steers each track. It features dual 15 by 156-in. snowmobile tracks

which turn on six snowmobile bogey wheels. The tracks are fitted with 1-in. steel lugs that provide propulsion in water. It has "air ride" suspension consisting of adjustable air shocks as well as front and rear leaf springs.

"It has enough traction for pulling a car or truck out of the mud," Grefsrud notes. "Load capacity is 1,200 lbs."

Basic model features a ball-type hitch and sells for \$12,999.

A larger model, powered by a 50 hp Isuzu diesel, is also available for \$20,000.

Contact: FARM SHOW Followup, All-Terrainer Recreational Inc., 2100 Shadywood Road, Wayzata, Minn. 55391 (ph 612 471-0701).

## Computer-Control System For Bird-Scaring LP Cannons

The battle against crop-stealing birds may get easier with a computer-control system for propane cannons that's already in use at airports, says inventor Thomas Morse who showed the idea at the recent South Dakota Inventors Congress in Brookings.

The technology was originally developed for the Air Force. It consists of a microprocessor that provides "smart" firing of an individual cannon or group of cannons, either on demand or at preset times.

"It can be controlled by an existing radio communications system," Morse says.

"Works with the most popular propane cannons. The cannons could be controlled from either the farm operating center or from a hand-held or mobile unit."

Morse is adapting airport commercial systems - which sell for up to \$150,000 - to farm use. He expects his system to sell for about \$1,000 per cannon, plus \$3,000 for the central processor.

Contact: FARM SHOW Followup, Two Way Service & Engineering Inc., R.R. 5, Box 145, Huron, S. Dak. 57350 (ph 605 352-7703; fax 0565).

## "Boomless" Sprayer Has New-Style Nozzle

A new "boomless" sprayer equipped with a revolutionary nozzle promises to eliminate problems with spray drift and broken booms, says Superior Outdoor Power Center, Superior, Neb., which offers a kit designed to mount a 25-gal. tank and two of the nozzles on back of any ATV.

"Boom Buster" nozzles are made by Evergreen Products, Inc., Millen, Ga. and have been used for years to kill weeds on golf courses, railroad right of ways, highway ditches, etc. However, their use in agriculture is new, says Superior spokesman Arlen Mickelsen. "The nozzles are designed so that the drops get larger the farther the spray goes out. The result is very little drift. The problem with conventional nozzles is that the farther the spray goes out, the more fine the spray becomes and the more prone it is to drift.

"Boomless nozzles work great for spraying in pastures where there are a lot of trees. Chemical companies are banking on the future of boomless nozzles. Dow Chemical is using our boomless nozzle ATV kit to test experimental chemicals in several Midwest



Nozzles are designed so that drops get larger the farther the spray goes out, which results in very little drift.

states. The company has predicted that up to 80 percent of farmers will use this nozzle to spot spray weeds in the future. Business is booming for our ATV kits. We buy the nozzles from the manufacturer and make our own mounting brackets. We buy the tanks from a New Zealand company. They have baffles inside them to keep the liquid from shifting sideways on hills which could cause an ATV to roll over. The nozzles mount on a steel bracket that can be moved up or down by loosening two clamps.

"Each nozzle covers 15 ft., and we mount two nozzles in opposite directions to cover a



Shelter is constructed of 8 by 10-ft. panels that pin together, allowing two men to set up or take down an 11 by 24-ft. structure in only 30 minutes.

## Portable A-Frame Shelter Sets Up Fast

"It's the quickest structure of its kind to set up and take down," says Floyd Wenner about a new-style portable A-frame shelter he and his partner, Gordon Collins, introduced at the recent South Dakota Inventors Congress in Brookings.

The shelter is constructed of 8 by 10-ft. panels covered with 26-ga. steel siding and edged with 1-in. sq. steel tubing. Each panel is braced with three 1-in. sq. tubing cross members. Panels pin together with three pins so two men can set up or take down an 11 by

24-ft. structure in about 30 minutes with only a few tools, Wenner notes.

One 11 by 24-ft. shelter was used this spring as a sheep shed. Expandable lengths of up to 48 ft. would be ideal for cattle barns, he adds.

Prices start at \$825 for an 8 by 10 shelter with a door in one end and a solid panel in the other.

Contact: FARM SHOW Followup, Wenner Welding & Machine, Box 392, South Iron Ranch Rd., Faith, S. Dak. 57626 (ph 605



Each panel is braced with three 1-in. sq. tubing cross members.



Kit includes 25-gal. tank, bracket, and two boomless nozzles that mount on ATV. (Note: 12-ft. boom on ATV shown above was used by a chemical company for test plot work.)

30-ft. spray pattern. The angle of the nozzles can be adjusted with a pliers and crescent wrench. Application rate is about 10 gallons per acre. The nozzles can be shut off independently for spraying fence lines, along creek banks, etc., and they can also be added to each end of an existing spray boom to add

30 ft. to its effective length."

The nozzles sell for \$90 apiece. Mounting hardware and tanks are extra.

Contact: FARM SHOW Followup, Superior Outdoor Power Center, 320 N. Commercial St., Superior, Neb. 68978 (ph 800 333-5161 or 402 879-4785).