

Solar cells generate electricity that powers pump.

ADAPTS TO NEW OR EXISTING WELLS

Solar Powered Pump Replaces Windmills

"The Solar Stocktank will replace windmills because it's much more dependable," predicts Brian Larsen, of the Solar Stocktank, Co., Boulder, Colo., manufacturer of a new system that uses the sun's energy to pump water from wells.

"The Solar Stocktank is ideal for farmers and ranchers who need to pump water for their livestock pastured in areas without electricity. It will open up grazing areas not fully used and can be used in place of existing windmills. Or, the rancher may want to drill wells in new areas since it'll now be easy to supply water," says Larsen, adding that by using the sun's energy, the Solar Stocktank works when livestock need water most — on hot, sunny days.

Available with 12 or 20 solar collecting modules, the panel sits at a 40° angle and is mounted on a boat trailer so it's easy to transport from well to well behind your pickup. The 12 module model is 15 ft. long, 8 ft. wide and 6 ft. tall. Once at the site, you position the panel to face south. Larsen recommends putting a fence around it and tying it down to keep livestock and wind from tipping it over. The modules have a tempered glass glazing to withstand rain, snow and hail.

Key to the Solar Stocktank are the photovoltaic cells that produce D.C.

electricity when the sun hits them. This electricity powers the Jacuzzi or Grundfos pump installed in the well. Larsen notes that if the Solar Stocktank is replacing a windmill, it can be adapted to power the existing jack pump. Production models can pump 1,400 gal. a day from a 225 ft. well.

To regulate water pumping, a float on the tank shuts the pump off when the tank is full. An optional battery pack lets you store 5 days worth of electricity. That way, even on heavily overcast days, and at night, water can still be pumped from the well.

Larsen says he has four of the units out and working. He points out that besides pumping water for livestock, the system could be used to pump water for drip irrigation.

Solar Stocktank systems start at \$9,000, which includes the panel, trailer and pump for a 100 ft. well. Pumps are available for wells up to 300 ft. deep. The cost of the system is eligible for investment and energy credits on your taxes, says Larsen, noting that in some cases, you can recover the entire investment in tax credits.

For more information, contact: FARM SHOW Followup, Solar Stocktank Co., 1478 Alpine Ave., Boulder, Col. 80302 (ph 303 443-8788).

HELPS REDUCE SOIL COMPACTION

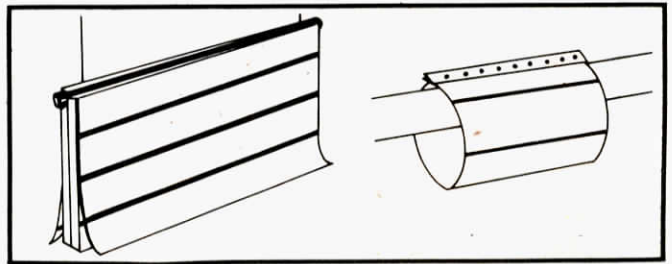
First Manure Tank With A Front Axle

"We think it's the least cost way to help reduce soil compaction," says Henning Hansen, Manumit engineer of the company's liquid manure tank with a third front axle, said to be an industry first.

The front axle oscillates so there's no twisting of the tank in going over ruts, ditches or obstructions. It's available on Manumit's 4,500 gal. manure tank, and, on special order,

the company's 3,300 gal. tank. The optional front axle adds about \$2,000 (Canadian dollars) to the cost of a 4,500 gal. tank.

For more information, contact: FARM SHOW Followup, Drakar Engineering Ltd., Manumit Division, 1006 Pattulo Ave., P.O. Box 164, Woodstock, Ont. N4S 7W8 (ph 519 539-1151).



Traps are also available in flat sheets and wrap-around sleeves.

'THEY'LL FIGHT EACH OTHER TO LAND ON IT'

Swedish Fly Trap Catches On In U.S.

A sticky new flytrap scientifically designed to attract flies with a chemical attractant and the use of color has swept the market in a big way in Scandinavia and is catching on in the U.S.

Developed by a large farm cooperative in Sweden, more than 1 million Silva Fly Traps were sold in Sweden alone last year even though the country has only 8 million total inhabitants. The trap is a much improved modern version of sticky fly paper traps that have been used for years but have never been successfully developed on a large scale for farm use.

The traps come in several shapes and sizes such as cones, flat sheets, sleeves that can be wrapped around pipes, and flat discs. The different sizes let you adapt them to different locations.

The key to success of the traps is a chemical attractant in the sticky surface that induces flies to land. As flies get stuck, the flies themselves seem to attract still more flies, says U.S. distributor Dick de Jounge, who notes that the light color of the traps is also scientifically designed to attract flies.

"One reason the traps have caught on so fast is that they're easy to use. Although they're sticky they're not so sticky that your hand will stick to them. Unlike conventional flypaper which is very difficult to handle, these come in a form that's easy to put up and take down with no mess or fuss," says de Jounge.



Chemical attractant brings flies in for a sticky landing.

"Flies go crazy over the trap. They'll fly all around it looking for a place to land even after it's completely full and there's not an open spot left," says de Jounge, who adds that it's not unusual to catch 4,000 to 5,000 flies in 24 hrs.

A package of 18 Silva fly traps sells for \$19.95.

For more information, contact: FARM SHOW Followup, Silva Enviro-Control, Inc., 772 Post Road East, Westport, Ct. 06880. (ph 203 227-3557).



Oscillating front axle climbs over obstacles.