



A tug on the rope ejects a blob of easy-to-see shaving cream.

BUILD IT FOR LESS THAN \$3

Shaving Cream Makes Low-Cost Spray Marker

Shaving cream and spare parts from your farm shop are all you'll need to build a do-it-yourself "Poor Man's" spot spray marker for less than \$3.

Developed by Truman Massee and Harold Waggoner at the USDA Snake River Conservation Research Center in Kimberly, Idaho, the marker uses shaving cream to spot mark the sprayer's return pass.

"Depending on boom length, a can should last for 8 to 10 acres, applying a blob of foam every 30 to 50 ft. We tested four different brands and they all performed equally well," explains Massee. "Under normal conditions, the foam will last up to 3 days before dissipating. One drawback is that in strong winds, the foam blobs may blow farther than the spray."

To make the marker, you start with a 7½ in. long piece of 3-in. dia. PVC pipe which holds the shaving cream can and forms the main body of the marker.

Next comes the tricky part — making the trigger which presses down on the shaving cream can button. Cut out a 3-in. wide, 4-in. long section from another piece of 3 in. dia. plastic pipe, and fashion it into a "T" shape. The firing pin, or top of the "T", should be about ¼ in. long (see photo).

The trigger sits inside the 3 in. pipe and is held in place by a nail that goes through the arms of the "T" and the pipe. The trigger arms should be beveled slightly to fit against the inside of the pipe.

It's important to have the firing pin centered over the top of the spray can but to have the nail, the trigger's pivot point, slightly off center so, when the trigger is pulled, the firing pin presses down on the button.

After fitting the trigger, place the shaving cream can in the pipe and drill a hole for a nail or bolt to fit through on the bottom of the pipe. This supports the can at the proper height to make contact with the firing pin.

Massee drilled a small hole through the nail and inserted a safety pin to hold the nail in place. He



The T-shaped trigger mounts in the top of the pipe with a nail through its crossarms. The nail must be offset so a tug of the rope drives the trigger end of the "T" onto the button on the shaving cream can.

points out that this lets you replace the empty cans quickly. He also put cardboard shims in the pipe to keep the can centered.

Next, cut a ¾ in. wide, 1½ in. deep, notch in the top of the pipe to make room for a 3/16 in. dia. plastic tube extension that connects to the can's nozzle. The tubing can be cut to any length, as long as it gets the foam out of the marker. On windy days you may want to use longer tubing.

To increase the blob size of the foam you can split the clear tubing at the end and insert a small funnel.

Massee explains that, since spray cans remove easily, you can glue the tubing on one nozzle and cap and then use the same cap for all the cans.

The next step is to run a rope from the top of the trigger to the tractor. When you want a blob of foam, just pull the rope.

The marker attaches to the spray boom with a hose clamp that inserts through 2 slits cut in the backside of the PVC. A short piece of scrap plastic pipe cemented to the pipe between the boom and the marker helps absorb the stress of the bouncing boom.

For more information, contact: FARM SHOW Followup, Truman Massee, Snake River Conservation Research Center, Rt. 1, Box 186, Kimberly, Idaho 83341 (ph 208 423-5582).

SIMPLE WAY TO RELEASE PRESSURE ON COUPLERS UNDER PRESSURE

New "Pressure Buster" For Hydraulic Couplers

"I got fed up with the mess," says Jon L. Miller, Rosseau, Minn., farmer who's invented a pressure buster for high-pressure hydraulic couplers that releases the pressure cleanly and quickly.

The jaws of the Pressure Release Grip slip over couplings and a squeeze on the pliers-type handles depresses the bearing inside, releasing the pressure. Any fluid released can be directed neatly into a can or other receptacle.

"Without this tool you have to bang the coupler against metal or whatever's handy to release it and you almost always end up with oil on your clothes and most likely damage the coupler. This tool makes it a quick and easy job. There should be one in the toolbox on every piece of hydraulic equipment," says Miller.

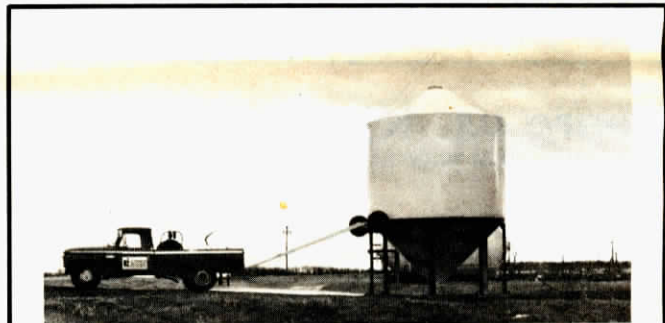
He notes that, while the Pressure Release Grip works on hydraulic lines to most any hydraulically-operated equipment, many late model tractors are already equipped with pressure release valves.



One quick squeeze eases the pressure on hydraulic hoses.

The new tool sells for \$14.95.

For more information, contact: FARM SHOW Followup, Different Products, Inc., 5701 Kentucky Ave. N., Minneapolis, Minn. 55428 (ph 612 535-3600 or 218 463-1712).



Two men can put the bin up, or take it down, in less than 10 min.

"Go-Anywhere" Bin Has Its Own Wheels

New from Lorrich Industries, Cavalier, N. Dak., is a "go anywhere" hopper bottom bin equipped with its own transport wheels and running gear.

Two men — one in the pickup hitched to the bin's running gear, and one on a tractor pulling the guide cable — can put the bin into the transport or vertical mode in less than ten minutes, explains Lorne Reimer, president.

Made of smooth metal, the bin is 14 ft. in dia., 20 ft. tall and holds 1,700 bu. Retails for \$4,050 with epoxy lining on the inside, and for \$3,950 without the lining. Features all-welded

construction and has no inside bars or braces to restrict the flow of grain, fertilizer or feed stored in the bin. It's available with an optional vibrator and/or sweep auger if used for storing finely ground feed.

In the lowered position, the bin can be towed down the highway at 45 mph. It's equipped with a roller slide gate for unloading and a remote-controlled "rope" lid on top.

For more details, contact: FARM SHOW Followup, Lorrich Industries, Star Rt. 1 Box 51, Cavalier, N. Dak. 58220 (ph 701 549-3333).