

The top pipe is pressurized, forcing chemical into the ropes. But instead of dripping, chemical is pulled into the lower pipe which is under vacuum.

APPLIES HEAVY FLOW RATE WITHOUT SPILLAGE

New "No Drip" Rope Wick Applicator

New from Bowman Mfg., Newport, Ark., is a revolutionary rope wick applicator that moves up to 10 times more liquid through the ropes than conventional rigs, yet is virtually drip-proof — even when standing still.

"In all out preliminary trials and field tests, it has run circles around conventional rope wick applicators," says Morris Bowman, inventor-manufacturer. "We use the same new-style rope in our new applicator that other manufacturers use — a polyester, diamond-shaped braid over an acrylic center. The big difference between ours and all others on the market is that we have developed a method of moving ten times as much spray material through each rope with scarcely a drop of spillage.

"Last year, many farmers in drouth-stricken areas reported poor results with Roundup, apparently because conventional rope-wick or carpet-type applicators were unable to rub enough Roundup on drouth-stressed Johnson grass and other weeds to kill them," Bowman told FARM SHOW. "If they increased the flow rate enough to kill the stressed weeds, they created a dripping problem which damaged the crop. Our new design concept solves the problem."

Here, according to Bowman, is how it works:

The applicator consists of two horizontal 4 in. dia. plastic pipes with one pipe about 1 ft. above and 1 ft. in front of the other. Individual rope sections run diagonally between the pipes. The top pipe is pressurized, forcing spray solution into each rope. The bottom horizontal pipe is under a vacuum. "Pressure in the top pipe keeps individual ropes

completely saturated to the point where they are on the verge of dripping with liquid. But, instead of dripping to the ground, the excess liquid running through each rope is sucked up and into the lower vacuum tube where it is recycled back around to the upper tube. With this combination of pressure and vacuum, we are able to increase the flow rate considerably and still not get any dripping or spillage. We have run a sprayer for 12 hours standing still, continuously recycling spray solution without any visible sign whatsoever of any spray dripping onto the ground or crops below. In the field, the only chemical you lose is that which rubs off on the weeds. And, with our diagonal design, every tall-growing weed gets hit with a generous amount of chemical to virtually insure a complete kill, even under drouthy growth conditions."

The new Bowman rope wick applicator was slated to go into production as this issue of FARM SHOW went to press. Available in a standard 20-ft. model (including the folding wings) it reportedly will be priced at "at about the same or slightly less than conventional rope wick applicators," according to Bowman. Its available in standard 3 pt. hitch for rear mounting but can also be adapted for front mounting. "Owners of conventional Bowman rope wick applicators can buy this new rope wick applicator and use the hardware from their original applicator to carry it."

For more details, contact: FARM SHOW Followup, Bowman Mfg., Route 3, Box 705, Newport, Ark. 72112 (ph 501 523-2785).

Culti-Wick Applicator Mounts On Cultivator

You'll like this new self-contained applicator that mounts above rows on the toolbar to get tall-growing volunteer corn and other weeds with Roundup while you cultivate.

"It's easy to attach, quick to fill and works great," says an NCMC Manufacturing representative, noting that the "Culti-Wick" is not a regular rope-wick applicator. "This is a true wick with wrap-around filament that conducts liquid much faster and evenly than rope."

Each row unit is self-contained with its own supply container. It can be adjusted up and down for crops at various stages of growth, particularly to get weeds early before they take much-needed moisture from the crop.

"It pays for itself because you don't have to make a second trip through the field with a tractor-mounted rope wick or carpet-type applicator," the manufacturer points out.

For more information, contact: FARM SHOW Followup, Culti-Wick, NCMC Mfg., Sioux Rapids, Iowa 50585 (ph 712 283-2394).



Culti-Wick applicator rubs Roundup on tall-growing weeds.

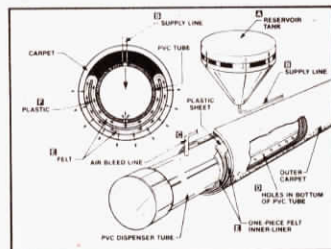
'Super 7' Combines Best Of Carpet, Wick Wipers

"We think it's the most advanced no-drip, wick-type weed killer yet," says Syl Scholbrock, engineer at Century Engineering in Cedar Rapids, Iowa, and designer of a new "Super 7" contact wick applicator that combines the best features of both rope and carpet weed killers.

The Super 7 consists of a piece of carpet wrapped around a 2½ in. dia. pipe filled with chemical that drips out the bottom and onto the carpet. There are safeguards that make it a precise and virtually drip-free applicator.

"Between the carpet and the pipe there is a doubled-over layer of felt that's wrapped around a sheet of polyethylene plastic," explains Scholbrock. "The chemical drips onto the felt and then wicks its way around the layer of plastic to the other side, which causes it to wet more surface area on the carpet, rather than dripping through at one spot."

To operate the new Super 7 applicator, you simply turn on the valve below the 15-gal. chemical storage tank to fill the wick pipe, then wait about 10 min. for the chemical to "wick" its way through the felt and onto the carpet. When you see, right from the tractor seat that the carpet is moist, you turn off the electric valve with the remote switch and start working. Anytime you note the carpet is getting dry, you simply turn on



Carpet roller (8 in. in dia. by 15 ft. long) is equipped with drip pans on each end.

the switch for a bit to re-soak it.

"There is seven times more kill surface on this model than on a rope wick unit. The key is that we've solved the drip problem that occurs when chemical is concentrated in one spot," says Scholbrock.

The new applicator comes in a 180-in. model for up to six 30-in. rows and a 240-in. model for up to eight 30-in. rows. Both have a 100-in. center section and folding outer wings. Attached to a lightweight frame, height is adjustable from 0 to 52 in. above the ground with the help of a single hydraulic cylinder.

For more information, contact: FARM SHOW Followup, Century Engineering, 221 4th Ave. S.E., Cedar Rapids, Iowa 52401 (ph 319 364-4101).