

Monsanto Develops New Corn Herbicide

MISSOURI — Lariat®, a new corn herbicide from Monsanto, takes advantage of formulation technology advancements to offer growers a more convenient, easier-to-handle flowable herbicide.

"Traditionally, flowable herbicides have been hard to pump, mix and spray," comments Dennis Plummer, manager, corn herbicides for Monsanto. "Flowables also have a tendency to settle out during storage and aren't very compatible with liquid fertilizer."

As a result, Plummer notes, some flowable formulations have not been especially popular with users.

"Since some agrichemicals are

most effective in a flowable formulation, it became our challenge to try and improve flowable technology to make the product easier to use," he adds.

To meet that challenge Monsanto researchers developed a unique emulsification system to handle the active ingredients needed for broadspectrum weed control in corn. The result was a new herbicide, with significant benefits for users.

Compared to other flowable herbicides, such as Bladex and Bicep, Lariat has a lower viscosity, particularly at temperatures under 60°. This makes it easier to pump in cold weather. Lariat also disper-

ses and mixes more easily in both water and liquid fertilizer and resists settling out, either in the container or spray tank.

"Simply put, Lariat pumps more easily, mixes better and sprays more evenly than other flowable formulations," explains Plummer. "That not only saves time and reduces equipment wear and tear, but it also means Lariat can be applied at an accurate and cost-effective rate while still providing consistent weed control."

A broadspectrum corn herbicide, Lariat controls a total of 24 grasses, sedges and broadleaf weeds, and reduces competition from eight others. The herbicide



Superior formulation technology makes Lariat® herbicide from Monsanto easier to pump, mix and spray. The new herbicide controls a broad spectrum of annual grasses and broadleaf weeds in corn, and can be applied either pre-emergence or shallow preplant incorporated.

may be applied either pre-emergence or shallow preplant incorporated, using Surface Blend techniques. It can also be applied through center pivot irrigation systems.

"Lariat does not need two incorporation passes to provide excellent results," Plummer says. "Another benefit for farmers is that they can use the same rate of Lariat either surface applied or incorporated."

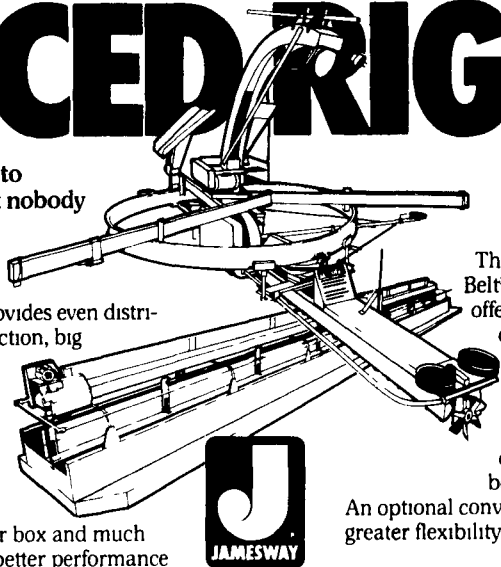
Lariat was developed for use in corn or in grain sorghum which has been treated with Screen® seed protectant. It will be available in 1988 primarily in bulk and in Shuttle™ mini-bulk systems. Container (2½ gallon) volumes will be limited in 1988.

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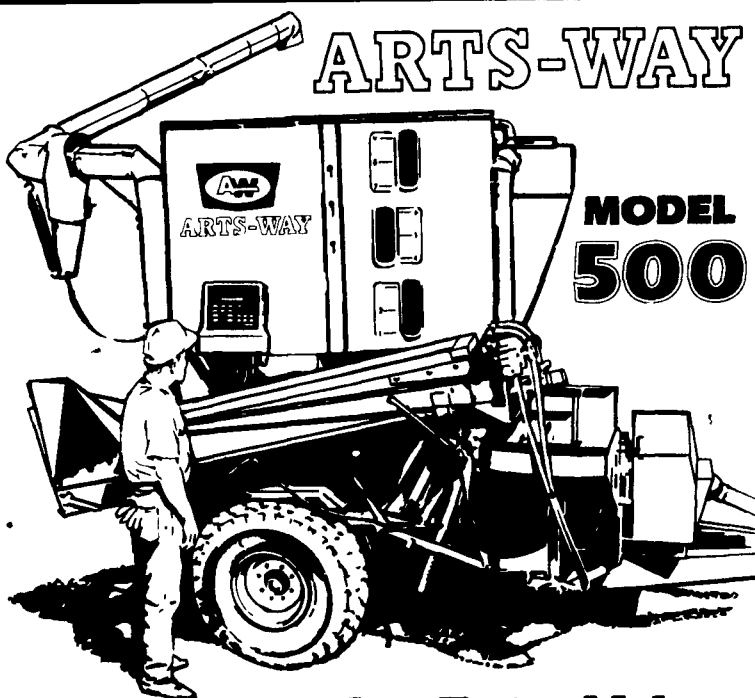
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