

HYDRAULIC SCRAPER AUTOMATICALLY CLEANS OUT COMPRESSION ROLLERS

New "Life Saver" Baler Unplugging

You can spend more time unplugging the baler than you do baling when conditions are bad. Unplugging wastes time and can be one of the most dangerous jobs on the farm.

"Hundreds of farmers have been killed or badly injured since big balers went into widespread use in the 1970's and it's still happening," says Gerald Johnson, whose company, Johnson Mfg., has introduced a new hydraulically-operated "unplugging" for big round balers with compression-type feeder rollers. Called Quick-Clean, it consists of a hydraulically-operated scraper the length of the rollers that mounts above the pickup and rollers. When there is a plug-up, the operator lets the rollers keep running. He simply activates a control lever and the unplugging goes to work. The scraper pushes into the rollers, forcing some of the stubborn material through, and cutting some of it off with its blunt metal edge.

"We've tested it on most everything that can plug a baler, including bones, sticks, rocks and metal. It takes just seconds for the device to clear most plug-ups and you can operate it right from the tractor seat," says Johnson.



"Unplugging" blade pushes in between compression rollers on baler pickup.

The Quick-Clean bolts easily to most big round balers and comes complete with hydraulic cylinder and hoses. Sells for \$590.

For more information, contact: FARM SHOW Followup, Johnson Mfg., Kulm, N. Dak. 58456 (ph 701 647-2300, or 647-2426).

"CUTS SPRAY COSTS AND OUTPERFORMS WICK-TYPE APPLICATORS"

"Selective Eye" Sprayer Spies Weed, Then Sprays

A new "selective eye" electronic sprayer, developed by BJR Enterprise Co., Levelland, Tex., consists of upside-down U-shaped row units that have infrared electric eyes spaced 14 in. apart to spot weeds. When a weed breaks the beam of light, a solenoid that's activated in less than a millisecond sprays a burst of chemical onto the weed.

The new HEC electronic sprayer is ideal for new expensive herbicides, such as Poast and Fusilade, that are extremely effective against above-the-crop weeds such as johnsongrass and volunteer corn. The company says the sprayer is also effective with Roundup because it sprays so quickly there's little crop damage from splashing.

"You can travel at speeds from 2 to 8 mph with this sprayer and always do a good job. The electronic controls are so quick that even at 8 mph, there's little overspray.

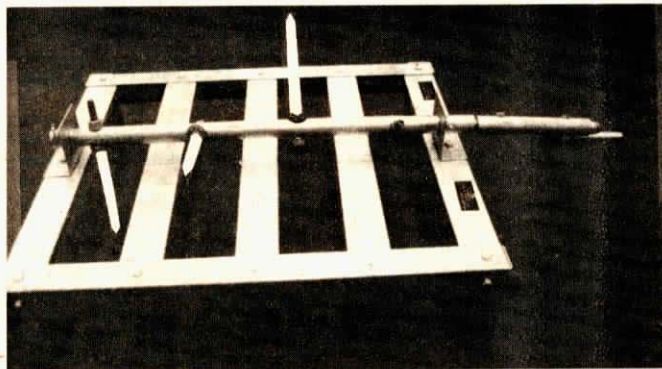
"It far outshines rope wick applicators. There's no drip and no evaporation, and it coats the weed

better," says Jones. "Some farmers tell us it costs them about \$3.00 an acre to operate a rope wick even if there aren't any weeds because of evaporation and dripping. Our sprayer costs less than \$1.00 an acre on an average weedy field."

The electronic row units are designed to mount on a hydraulic toolbar in front of a tractor. When spraying above the rows, each unit is centered above a row and held just above the crop. There is a manual override for each row unit so that the operator can zap weeds below the level of the crop in the row. For spraying weeds between rows, the operator simply runs the units next to the ground down the centers of the rows and they'll spray everything they come across.

Jones notes that the spray units can also be mounted on the rear of the tractor, or fixed to a row crop cultivator to nail weeds above the crop while the cultivator gets the weeds between rows.

"It's so stingy on spray that, when



Four teeth on "Insur-A-Flow" shaft break up even the hardest chunks of grain.

BREAKS UP CLOGS

"Insur-A-Flow" Prevents Auger Plug-Up Problems

Spoiled grain, bird nests, frozen chunks of grain and other materials can end up clogging your grain bin's feed out auger and cause you a lot of headaches.

There are stationary cone-shaped devices on the market to solve the problem but the Insur-A-Flow, from Nelson Products Co., Sioux Rapids, Iowa goes one step further. It features a spinning shaft with teeth that break up the clogged material.

The Insur-A-Flow has a heavy-duty galvanized 20 by 24 in. stand that sits in the sweep auger's pivot point. It's 6 in. high and has a shaft with four, 7 in. teeth attached. You bolt a 3/4 in. galvanized water pipe, which you provide, to the end of the shaft and

run the pipe outside of the bin through a hole that you drill or punch into the side of the bin. To the end of this pipe you attach a handle which you spin by hand to break up clumps, although a motorized system could also be set up.

When clogs slow grain flow, you simply turn the shaft and let the teeth break up the clog. For wider bins, shaft supports are available to keep the pipe from bowing.

The Insur-A-Flow sells for \$93.50.

For more information, contact: FARM SHOW Followup, Nelson Products Co., 100 Front St., Sioux Rapids, Iowa 50585 (ph 712 283-2562).



Row units can be used above the crop or between rows.

spraying weeds above the crop, a 25 gal. tank will keep a 12 row sprayer going for 4 1/2 hrs. The spray mechanism is so quick that it saves 1/2 to 2/3 the cost of spraying by hand because of chemical waste," says Jones.

Since each row can be operated either manually or automatically, selected units can be turned off so you can operate in tight areas or on end rows.

There's a 14-in. gap between the electric eyes on each unit. Everything

is powered by 12-V battery power. The solenoid is the only moving part. Any chemical can be used in the sprayer.

The HEC sells for \$500 a row, which includes the row units, and all wiring and controls. The farmer supplies the toolbar and tanks.

For more information, contact: FARM SHOW Followup, BJR Enterprise Co., Rt. 5, Box 381, Levelland, Tex. 79336 (ph 806 894-2875, or 806 894-5992).