

6 FT. SECTIONS SPIN TO WIPE EACH WEED SEVERAL TIMES

New "Weed Wiper" Goes In Circles

There are dozens of weed wipers on the market but none like the one designed and built by Kentucky farmer W.A. Johnson, of Louisville.

The rope-wick applicator (3 in. dia.) is built in 6 ft. sections, each of which spin in circles like giant-size mower blades as the wiper goes down the field to apply Roundup to tall growing Johnsongrass, volunteer corn and other weeds in soybeans, pasture, hay and other crops.

Called the Heliwick, it's designed to mount on the front of a tractor loader. It uses a hydraulic motor with a belt drive to power the center shaft

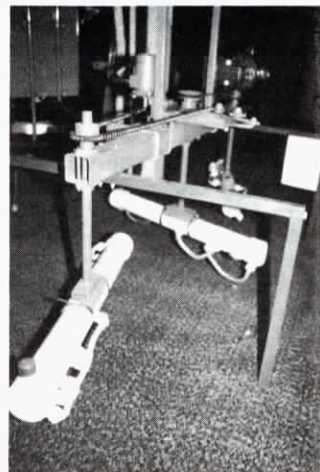
of each rotor. A valve in the hydraulic line controls rotating speed of the rotors.

"For full width coverage over the row, each 6 ft. wiper section should rotate at about 100 rpm. At this speed, the ends of the applicators are traveling at 21.5 mph," explains Johnson. "The majority of the contact with weeds is made with the outer 12 in. of the applicators. With a ground speed of 4.5 mph, the applicators make contact with each weed three to five times as they pass over them assuring virtually 100% coverage and control."

Johnson field tested the Heliwick last year on 250 acres of soybeans. "The operation was smooth and trouble free. I used a mix of 1 part Roundup to 4 parts water, with approximately 1 gal. of Roundup per 50 acres," he points out. "On an acre basis, I used about the same amount of chemical as you'd use with a stationary wiper bar. The difference is that this machine, with its spinning action, wipes the entire plant, rather than simply spot treating it."

He's applied for a patent and would like to hear from interested manufacturers. Meanwhile, he's custom building units in a 15 ft. model (three 6 ft. overlapping sections) and a 20 ft. model (four 6 ft. overlapping sections).

The 15 ft. model sells for \$1,995 and the 20 ft. for \$2,595. For more information, contact: FARM SHOW Followup, Heliwick Mfg., 12406 Taylorsville Rd., Louisville, Ky. 40299 (ph 502 267-5263).



Each 6-ft. wiper section rotates at about 100 rpm's, making contact with each weed 3 to 5 times.

HELP CONTROL TAILBITING

Bowling Balls For Hogs

Dallas Bowman, Adel, Iowa, is one of a growing number of hog producers who put bowling balls in with their hogs.

Bowman says that while hogs tear up just about anything put into their pens, bowling balls are "virtually indestructible" and provide something for the hogs to do so they don't bite and pick on each other. Bowman notes that the hogs constantly nose the ball around without ever getting it caught in a corner or on a feeder or waterer. He says they also seem to like the noise the ball makes when it rolls over slats.

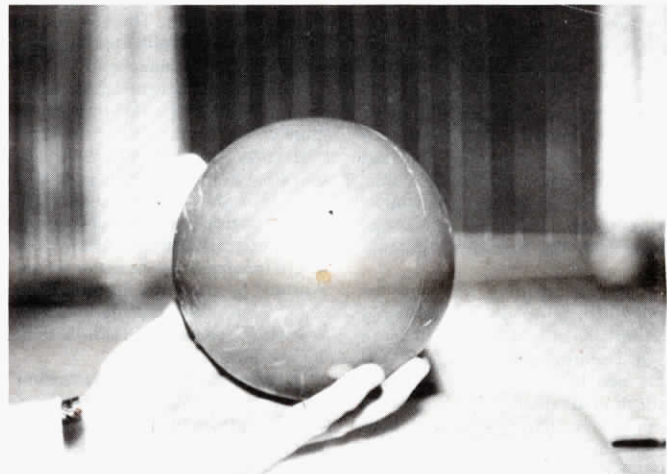
He puts one ball in each of his 25 by 35-ft. pens. He also puts balls in outside pens. He notes that when the

balls are used outside, water sometimes freezes in the finger holes and cracks the ball but that they retain their shape and are still useable.

Bowman gets the used and chipped balls free from friends but says many bowling alley owners give away worn out bowling balls.

The idea is catching on so fast that Lage Products Co., Montezuma Iowa, just introduced the "Pig Bowl Ball". It's as hard as a bowling ball and available in 6 and 12-in. dia. sizes. They sell for \$6 and \$11, respectively.

For more information, contact: FARM SHOW Followup, Lage Products, 402 E. Jefferson, Montezuma, Iowa 50171 (ph 515 623-3165).



Just-introduced "Pig Bowl Ball", designed to keep hogs busy, comes in 6 and 12-in. dia. models.

PATENTED DESIGN PLACES DRY FERTILIZER AHEAD OF AMMONIA

Now You Can Deep Inject Dry Fertilizer, Ammonia

Deep injection of fertilizer and ammonia is catching on quickly across the U.S. Latest new development is the "New Horizon" fertilizer injector which lays dry fertilizer down ahead of the ammonia.

Developed by Leonard Brannan, of Brannan & Cox Equipment Co., Omaha, Neb., the rig lays the fertilizer and ammonia down in a 1-in. band in a one-step process that ammoniates the phosphorus.

Key to the system is the patented design that allows the two materials to be placed close together but without freezing up the delivery tubes. Advantages of deep placing the dry

fertilizer with ammonia is that it "doesn't have the reaction problems and cost of liquid fertilizer," says Brannan, "and you make better use of the dry fertilizer than when it's broadcast on the soil."

The New Horizon has seven inverted moldboard knives that are adjustable to inject at depths from 6-14 in. The knives, adjustable from 30-38 in. wide, slice through the soil, chiseling in the fertilizer.

The fertilizer tank holds 4 tons and the unit has hydraulically folding wings. Brannan notes that it requires a 175 hp. or larger tractor, depending on soil conditions.



Seven over-sized injection knives inject fertilizer and ammonia at depths of 6 to 14 in.

For more information, contact: FARM SHOW Followup, Brannan & Cox Equipment Co., P.O. Box 24632,

Omaha, Neb. 68124 (ph 402 399-8560).