

## "Gopher Zapper" Kills Farm Pests

Gophers, rats and mice around your farm will be in for a big shock when you try the new Gopher Zapper from Agrizap Inc.

"We tried everything on the market - traps, poisons, smoke bombs - but it was pretty hard to get more than a 20 or 30 percent kill rate," says Agrizap vice president Bill Luther.

So Luther and a business partner decided they needed a "better mousetrap." The result is the incredibly effective, environmentally friendly Gopher Zapper and its companion, the Rat Zapper.

These systems use high-tech electronics to deliver a fatal, 6,000-volt jolt to rodents. That's done when they step onto a charged metal pad, in the case of gophers or ground squirrels, or into a charged metal canister baited with dog food, in the case of rats and mice.

The systems are placed anywhere rodents are a problem. For example, the Gopher Zapper's metal shock pad is placed inside the pest's tunnel, then partially covered with soil. When used properly, both the Gopher Zapper and Rat Zapper are virtually 100 percent effective, according to Luther.



The bright yellow power packs are about as big as a lunchbox with carrying handle. They use six C-cell alkaline batteries and one nine-volt alkaline battery for power. Flipping a switch turns the units on; monitoring performance is done with a "check button" that turns red if the unit has been activated.

Gopher and Rat Zappers sell for \$69.95; slightly higher for a Gopher Zapper with extended or dual pads.

Contact: FARM SHOW Followup, Agrizap Inc., 1860 Eastman Ave., Ventura, Calif. 93003 (ph 800 946 7437).

## Seed Monitor Kit For Grain Drills

"It works exactly like a planter monitor and gives you the same information you get when using a planter," says David Daugherty about his new harness and sensor kit for grain drills that uses your existing planter monitor.

The kit uses a pair of Dickey-john "high rate" drill sensors to monitor grain drill functions. The sensors mount in a seed tube at each end of the drill and connect to a conventional planter monitor in the cab. It can be used with multiple drills or with tillage attachments mounted ahead of the drill.

"It does much more than conventional shaft monitors commonly used on drills," says Daugherty. "The Dickey-john sensor is the only sensor on the market that stands up to dirt and dust and still gives an accurate count. It tells you when either of the seed drive units quits working or when the seed hopper is empty - the rocking motion of the drill will cause it to empty on the ends first. It also allows you to observe seeding rate and rate changes as seed size changes.

"It's especially useful with bulk soybeans where it's difficult to estimate your seeding rate because of uneven bean sizes or differences in varieties.

"We offer three different monitor plugs and three different lengths of cable to fit various drill configurations and monitor brands. If you install a different monitor, you just buy a new plug instead of having to replace our entire system. The cable detaches from the harness in front of the hitch so if you mount tillage equipment in front of the drill, all you need to buy is a longer cable. We also make kits for folding drills.

"The wires are protected by plastic tubing - if something rubs on it, the wire won't be affected."

A 2-sensor kit designed for a 15-ft. drill sells for \$319. Optional four-sensor harness kits sell for about \$200 more per drill.

Contact: FARM SHOW Followup, Agri Motive Products, Inc., Box 418, Warren, Ind. 46792 (ph 219 375-2652).

## "Deep Tillage" Row Crop Cultivator

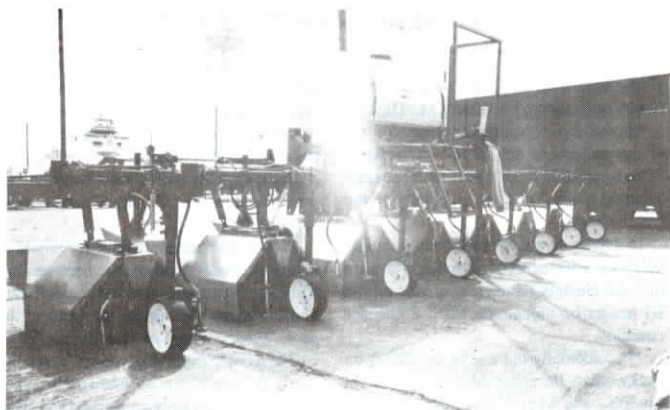
This new "deep tillage" row crop cultivator is equipped with subsoil shanks on each gang, allowing you to deep rip between rows while you cultivate to save a trip across the field, says Krause Corp., Hutchinson, Kan.

The subsoil shanks on Krause's 4750 high residue cultivator mount in front of the cultivator sweeps and are depth adjustable from the normal cultivating position (highest adjustment position) to a maximum of 10 in. deep. The shanks can be raised or lowered independent of the cultivator sweeps by changing the position of the mounting bolts, allowing you to cultivate normally without inter-row ripping, deep rip only behind the tractor tracks, or deep rip with all gangs, depending on field conditions.

Available in 6 and 8-row rigid and 12-row flat fold models. An 8-row rigid model sells for \$11,110.



Contact: FARM SHOW Followup, Krause Corp., P.O. Box 2707, Hutchinson, Kan. 67504 (ph 316 663-6161).



## State-Of-The-Art Hooded Sprayer

"There is absolutely no spray drift or chemical escape at 22 mph with my new sprayer in field tests, so imagine how economical it is to run at the 4 to 8 mph field speeds it was designed for," says Georgia inventor Darrell Dailey about the state-of-the-art 3-pt. hitch hooded sprayer he unveiled at the recent Sunbelt Ag Expo at Moultrie, Ga.

Called the Spray and Glide, it was developed for cotton but is adaptable to corn and soybeans. Key to success is the patent-pending, stainless steel, 137-lb. hoods (38-in. wide is standard, 30-in. is optional). Stainless steel won't corrode or crack and, because of the weight, hoods stay exactly where you want them, Dailey notes.

Hoods are spring loaded and can be adjusted to whatever tension field and weather conditions dictate. They can also be adjusted 2 in. left or right.

Spray and Glide features three flat fan nozzles under the hood, two flat fan nozzles in back, one flat fan nozzle on the side and a hollow cone nozzle in front. Heavy-duty, 2-ply neoprene, close-cut curtains ensure whatever you're applying - fertilizer, herbicide, insecticide - doesn't drift or escape.

Comes with 200 or 300-gal. tank. Available in 4, 6 and 8-rows beginning at \$7,000.

Contact: FARM SHOW Followup, Darrell Dailey, Rt. 2, Morven, Ga. 31638 (ph 912 775-2554).

## "High Speed" Tractor Makes U.S. Debut

A "high speed" tractor made in England recently debuted in North America and drew a lot of attention at farm shows this fall.

The JCB "Fastrac" travels at speeds up to 45 mph on the highway. Key to the high speed is a revolutionary new suspension system, with semi-truck type spring shocks on the front axle and "hydro-pneumatic" springs on the rear that provide a soft, smooth ride in the field and on the road.

Two models are available - one with a 155 hp Perkins diesel engine, and the other with a 185 hp Cummins diesel.

The Fastrac has four equal-sized tires and is equipped with front-wheel drive. It's fitted with air-operated disc brakes on all wheels, powered by a compressor and air reservoirs under the cab. Electric brakes are optional, as are a front hitch and pto. A platform behind the cab can be used for carrying bales, tools, seed, fertilizer, etc. The cab is fitted with two seats side by side.

"The soft ride provided by the suspension system allows you to increase forward speeds in the field without being shaken to pieces," says John Ellis, marketing vice president for JCB Landpower, White Marsh, Md. "It lets you do tillage work comfortably at speeds up to 10 mph or pull spray booms or fertilizer equipment even faster. Conventional tractors are designed as draft vehicles to do fieldwork. However, studies show that a big share of the operator's time is spent going from field to field or picking up implements, etc. The tractor comes with special high speed Michelin radial tires that won't blow out at high speeds. Some farmers let the air out of the tires to do fieldwork, then use the tractor's air brake system to pump them back up for highway transport.



The hydro-pneumatic springs even out the load and make the tractor self-leveling, so it always returns to the same height whatever the weight of the implement mounted on the 3-pt. Implements such as sprayers and fertilizer spreaders always stay at the same height, even though their weight drops as their tanks empty. Because of the even weight distribution, the tractor doesn't bounce up and down as much in the field so all four tires stay evenly on the ground to reduce soil compaction. The tractor wheels exert only about 11 psi, compared to about 15 psi for conventional tractors. Reduced bouncing also gives it outstanding hill climbing ability."

The tractor has a 36-speed shift-on-the-go synchronized transmission. The pto is reversible, allowing you to switch between 540 and 1,000 rpm's.

Ellis says the company is looking for dealers.

The 155 sells for \$80,928 and the 185 for \$89,000.

Contact: FARM SHOW Followup, JCB Landpower, 10939 Philadelphia Road, Box 209, White Marsh, Md. 21162 (ph 410 335-2800).