

## THEY GIVE YOU TOTAL CONTROL OVER EACH COW'S RATION

# Electric Dividers Keep Cows From "Stealing"

"My new electric divider plates eliminate the frustration of trying to feed a special ration to a particular cow only to have neighboring cows steal it away," says Dennis Westphal, farmer-inventor of new Manger Master electric divider plates that "train" cows to eat only their own feed.

Westphal came up with the idea on his own dairy farm. "I wanted to control what gets fed to each cow. Now I can even feed dry cow rations right alongside the other animals with no problems at all. Once the animals get used to them - it takes just a day or so - you not only improve feed efficiency but you cut down on knee damage to cows and reduce wear and tear to stalls."

The divider plate consists of a 4 by 10-in. white plastic insulator plate that clamps directly to the stallion with a pair of U-bolts, and a 1-ft. sq. piece of flexible, conductive rubber that's imbedded with metal so it can deliver an electric jolt to the animal. The rubber flexes back and forth if bumped by a broom or feed cart and is wired directly to an electric controller of the same type used for cow trainers.

Westphal recommends mounting the plates 5 to 6 in. off the floor. "It makes the cows a bit jittery the first couple days, but they quickly get used to it. I know now that I can completely control what I feed to any



Electrified rubber dividers flex back and forth for sweeping or if struck by feed cart or other equipment.

animal and that reduces stress on both the animals and on me," he says. His Manger Master divider plates sell for \$21.70 apiece. The controller is not included.

For more information, contact: FARM SHOW Followup, Pipeline Express, Inc., Rt. 1, Box 498, Buffalo, Minn. 55313 (ph 612 682-5630).

## "IT'S MORE EFFECTIVE AND EASIER THAN PROBING FOR INSECTS"

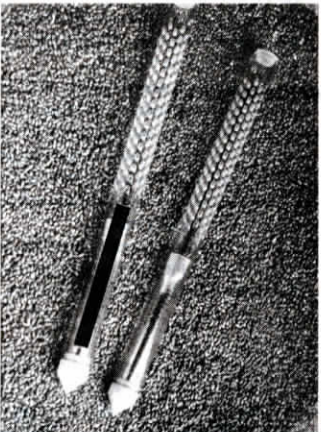
# Bug Trap For Grain Bins Detects Problems Early

"Insects get inside but grain doesn't," says Al Mohring, manufacturer of Grain Guard, an insect-detector that eliminates the need to screen through grain samples for insects and makes it easy to detect insect problems early on before they become serious.

The 1-in. dia. by 15-in. long clear probe is made of unbreakable plastic. Insects fall or crawl into the trap through escape-proof holes and then drop through a small plastic funnel into the lower part of the trap. The trap is buried 3 to 6 in. down into grain near the top of the bin. Mohring says that's where you'll find the highest concentration of insects since they "migrate" toward the top where there's more air.

The trap is baited with a bit of ground-up grain although insects willingly crawl into it anyway, says Mohring, since they're always looking for air space.

"You just bury the trap in the grain and wait a few days. It detects insect problems early because it attracts insects from over a large area. Other methods can detect serious insect infestations - such as taking a grain sample and sifting through it - but it's difficult to detect an insect problem early on with that method. Using Grain Guard, which was invented by a professor at the University of Wisconsin, you can quickly find out the identity, location and population density of bugs in grain, including beetles, grain borers, weevils, and other insects,"



Insects crawl into trap through escape-proof holes and then drop through a small plastic funnel into the lower part of the trap.

says Mohring, who recommends 2 to 3 traps per 7,000 bu. bin. Once they're in place he says they should be checked about every other week. Bugs can be easily dumped from the trap by removing snap-on end cap.

Grain Guard sells for \$21.95.

For more information, contact: FARM SHOW Followup, Grain Guard, Inc., 205 Legion St., Verona, Wis. 53593 (ph 608 845-5160).

## "SAVES 100% OF NEWBORNS"

# New Calf Incubator

"It's unbelievable how well it works. We've had a 100% calving success rate since we started using it two years ago," says Robert Hendrickson, Superior, Wis., about the portable calf incubator he designed to warm up and dry off newborn calves for the first two hours after birth. It can also be used with baby pigs and lambs.

Hendrickson builds the A-frame incubators out of plywood or particle board. One side of the unit has a hinged door that opens to place an animal inside. Key to success of the unit is its double floor. The top layer of the floor is slatted. Hot air is blown into one end of the incubator by a small milkhouse heater and is channeled down into the 6-in. wide space between the floor layers and up through the slats, warming the animals. A small 3-in. fan at the top of the unit also helps circulate air through the incubator.

"It heats up from zero degrees to 80° in 15 min. The first calf we tried in it was born on a day when the wind chill factor was 70° below zero. By the time we got it into the incubator it was ice covered but two hours later, after drying off in the incubator, it was anxious and fit enough to go back to its mother. For the calf it was like being born on a 70° day with a south wind," says Hendrickson. "Newborn dairy calves are



A heater blows hot air into one end of incubator and up through slats in the floor.

worth \$125 to \$175. Saving just one is enough to pay for the incubator, and we've also had no cases of scours since we started using the incubator."

The incubator is 24 in. wide, 3 ft. long and 3 ft. high. It's big enough to hold two calves at once. Hendrickson says he recommends one unit for every 80 cows. He sells them for \$160.

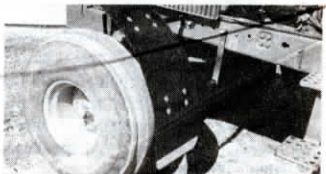
For more information, contact: FARM SHOW Followup, Robert G. Hendrickson, Rt. 1, Box 454, Superior, Wis. 54880 (ph 715 399-8348).

## THEY COME OFF IN LESS THAN A MINUTE FOR FIELDWORK

# Rubber "Mud Blockers" For Front Tractor Wheels

Simple new "mud blocker" fenders for front tractor wheels, especially those equipped with front-wheel assist, go on or off in less than a minute as needed to keep tires from throwing mud up against the cab.

Gene Mortvedt, who farms 800 acres near Story City, Iowa, designed the fenders to be easily adjustable and quickly removable. His rubber fenders, which sell for \$99 a pair, are made from heavy rubber that's reinforced with a stainless steel frame. They attach to existing holes in the tractor frame with two bolts. Fully adjustable 360°, the fenders mount high enough so they won't



interfere with wheels when turning. They fit most makes and models of wide-front tractors.

For more information, contact: FARM SHOW Followup, Gene Mortvedt, Kemco, Story City, Iowa 50248 (ph 515 733-2009).

## ADJUST ON-THE-GO WITH AN IN-CAB HAND CRANK

# Remote Control Kit For Combine Cleaning Sieves

You can control the grain cleaning sieve in your combine by turning a crank in the cab thanks to a new "cleaning sieve" control kit from TAS-L Marketing, Brunkild, Manitoba.

The sieve adjuster mounts on the existing sieve adjustment levers and is controlled by the crank, which mounts in the cab beside the seat.

"This kit lets you open and close the sieve while the combine is under load so there's no need to stop and get off the combine," says Tim LeClair, distributor. "The unit is completely mechanical and requires no

major modifications. There are electronic units like this on the market but they're much more expensive and don't provide the 'fingertip' control you get with this unit."

The kit, which was designed and field tested by farmers, fits Deere and Case-IH combines and is adaptable to other makes.

Sells for \$155 to \$175 depending on combine model.

For more information, contact: FARM SHOW Followup, TAS-L Marketing, 22 First Ave., Brunkild, Manitoba, Canada ROG OEO (ph 204 736-2858).