



"Nifty" feeder dispenses a pile of feed every 15 ft. that's big enough to feed 6 to 8 head.

DROPS FEED IN PILES 15 FT. APART

"Nifty" Feed Dispenser

Small piles of grain or pellets are automatically dispensed on the ground in 15 ft. intervals with the new "Nifty" Feed Roll-Out Dispenser invented by rancher Calvin Bishell, of Veteran, Alb.

The 5 ft. dia. drum is 2 ft. wide and holds approximately 30 bu. of grain or pellets. A single, adjustable rectangular opening (12 in. by 22 in.) dispenses a small 2 to 5 gal. pile of feed on every rotation. "The piles of feed are 15 ft. apart and there's enough in each for 6 to 10 head of cattle. There's no fighting among animals to compete for feed and one man does the feeding right from the driver's seat," Bishell points out. "The drum, equipped with ground-driven cleats for traction, presses out a 2 ft. wide trough in snow to eliminate feed waste."

Three models of the "Nifty" dispenser are available:

Truck-Mounted Model: It's designed for use in conjunction with a truck-mounted big bale handler. The same arms used to lift a big bale in and out of the pickup bed are used to grab, carry and operate the drum. "With this hookup, you can carry

grain and hay to cattle and other livestock in one trip, and feed 300 or more head in one trip right from the driver's seat," says Bishell. The drum, made of 10 ga. steel, weighs 500 lbs. empty. A trap door, plus inside flighting, allow the drum to be lowered to the ground for mixing supplement with the feed, if desired, prior to feeding.

Trailer Model: The drum is available with a tailor-made trailer for towing behind a truck or tractor. The trailer-mounted drum can be raised or lowered to the ground hydraulically, or by battery.

3 Pt. or Loader Model: The "Nifty" dispenser readily adapts to 3 pt. tractor hitches, or to front end tractor loaders.

Feed can be loaded into the dispenser via an auger, shovel, or by gravity from an overhead bin. Sells for \$1,095 (Canadian), less the optional \$1,300 trailer and hydraulics. Dealer inquiries welcome.

For more information, contact FARM SHOW Followup, Goldec International Equipment, 6760 65th Avenue, Red Deer, Alb. T4P 1A5 Canada (ph 403 343-6607).



Dispenser readily adapts to front-end tractor loaders.



Dan Kilgas operates driverless mower using hand-held control panel.

STEERS, STOPS AND STARTS BY REMOTE RADIO CONTROL

Driverless Tractor-Mower

Leading the parade of popular new products at farm shows this fall is Kubota's first-ever radio controlled tractor-mower. Resembling a space-age robot, it boasts unmatched safety and convenience.

Instead of sitting on the machine when mowing dangerously steep slopes or ditch banks, for example, you simply get off and, using a hand-held control panel, operate the "driverless" mower by remote control. Or, for the ultimate in mowing convenience, you can sit in the shade and mow your entire lawn. Twenty of the first units to roll off the assembly line at Kubota's factory in Japan have been shipped to distributors throughout the United States.

At present, the driverless tractor-mower isn't so automatic that you can program it to turn corners and mow your entire lawn all by itself. But this ultimate degree of driverless mowing is "just around the corner," predicts Dan Kilgas, Kubota service representative.

The hand-held radio control panel allows you to operate the tractor-mower "driverless" for a distance up to 300 ft. "The only things you can't do by remote control are start the engine, and adjust the throttle," explains Kilgas. When the tractor-mower gets beyond 300 ft. of the hand-held transmitter, it automatically stops, the engine shuts off and a light on top the hood starts flashing to let you know that the rig went out of range.

Travel speed, forward or reverse, is infinitely variable from 0 to 12 mph. The operator (manually or by remote control) has a choice of three steering models: 1. Conventional steering of the two front wheels; 2. Conventional 4-wheel steering; or 3. Crab steering. "If a slope is too steep for the mower to negotiate going straight up, the operator can switch to crab steering and zig-zag to the top," explains Kilgas. "Switching from one steering mode to another, or changing from forward to reverse, is as fast and simple as moving the control switch."

For conventional manual opera-

tion, a collapsible two-handed steering wheel is pulled out from a "hideaway" compartment built into the dash.

Power is provided by a 3-cyl., water cooled 20-hp diesel engine. It drives a hydrostatic pump which, in turn, powers a hydrostatic drive transmission.

The plug-proof radiator's fan operates 2 min. in one direction, then automatically reverses for 30 sec. to keep grass clippings and other debris from building up on the radiator screen.

The 3-blade mower takes a 60-in. swath. Its center section is shaft driven off a mid-mounted pto. Belts operate the two cutting blades on each side.

"We're getting a lot of interest from highway department officials who feel our new remote-controlled tractor-mower has excellent application for safer mowing of steep ditches and other hazard areas," notes Kilgas. "Because it's driverless, it can go into areas the driver wants to stay out of because of bees, unsafe animals, chemical residues or other hazards."

Price tag on the tractor-mower is right at \$22,000, including remote controls.

For more information, contact: FARM SHOW Followup, Kubota Tractor Corp., P.O. Box 7020, 550 West Artesian Blvd., Compton, Cal. 90224 (ph 213 537-2531).



Effective range of hand-held control panel is 300 ft.