

WHAT'S NEW



CHEMICAL HANDLING MACHINE

A new herbicide handling machine that simplifies mixing, virtually eliminates chemical exposure and makes economical 55-gallon drums more practical to use has been developed by the Farmchem Corp., Floyd, Iowa.

"It opens the market for 55-gallon herbicide drums," explains Ed Olsen, Farmchem manager.

The machine, which now carries the copyright name "Batch-Mate," was designed by Ray Murray, Farmchem president. The copyright will protect its design until Farmchem receives a patent.

A 110-volt pump is used to transfer the desired amount

of herbicide from the 55-gallon drum into a funnel-shaped, 15-gallon polyethylene tank, which is calibrated with half-gallon measurements. A less expensive gravity system is also available, which works with the 55-gallon drum suspended on a platform or on the back of a pickup truck.

The Batch-Mates operate on a venturi principle, similar to an engine carburetor. A centrifugal pump carries water from a separate nurse tank through the Batch-Mate and into the herbicide spray tank. When the valve of the venturi system beneath the funnel-shaped tank is open, however, the rushing water creates a vacuum, sucking

the liquid or wettable powder herbicide from the funnel tank and carrying it to the spray tank. The rushing water actually helps to mix the chemical.

A hose is attached to the Batch-Mate funnel tank so the tank can be rinsed after each chemical. The entire system should be flushed with water after use.

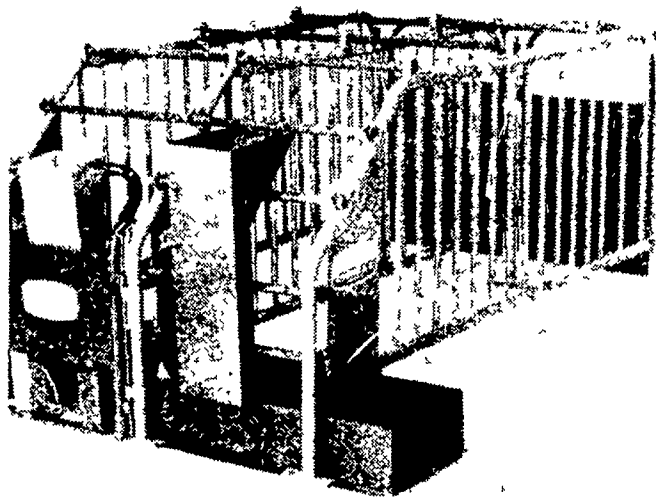
Olsen says many growers and custom applicators who have purchased a gravity system Batch-Mate often use it with 5-gallon cans, noting that it is easier to pour a 5-gallon can of herbicide into the ground-level Batch-Mate than to climb up on a tractor.

The motor-driven Batch-Mate can be used out in field by attaching a converter to a water truck's 12-volt battery.

All Batch-Mates are assembled by hand at the Farmchem office in Floyd, and Olsen says supply may be tight until an assembly line is set up in 1980.

GESTATION STALLS

A new line of slant-front gestation stalls with a choice of four types of feeders has been introduced by the Delphi Products Co., division of Underhill Industries, Inc., P.O. Box 256, Delphi, Ind. 46923.



These new stalls feature sturdy construction with all panels made of 3/4-inch painted solid steel tubing with electro-welded joints. All tubing is vertical, to prevent animals from climbing and getting bruises on legs and feet. Tie bars are 1-inch galvanized tubing, with yoke-type holders, which can be removed easily with simple tools.

Two of the feeders are mounted on front door gates. The feeder sections, both inside and outside, are coated with a tough fused-on glass coating that defies abrasion, rust and corrosion. It is so smooth and free from cracks that it resists the accumulation of bacteria, says the manufacturer. A feed saver inside the bowl minimizes the waste of feed. Hoppers are made of heavily-galvanized steel. These feeders can be filled

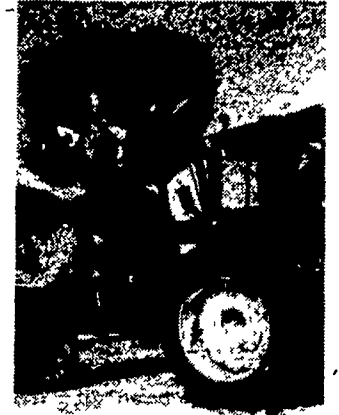
by hand or by an overhead automatic feed system.

The third type of feeder available is free-standing and is built like one mounted on a gate. The fourth is trough type. It is sectional, and available sections can be bolted together to form continuous troughs of almost any length. There are end units 5 feet long, and intermediate sections, 4, 3, 2 and 1 feet long. Thus, a continuous trough can be assembled to run through the length of a row of gestation stalls. These troughs are coated, both inside and outside, with a tough fused-on glass finish.

HILIFT

DewEze Manufacturing, Inc., announces production of their Model 165 H Hi-Lift Huger.

This tractor attachment



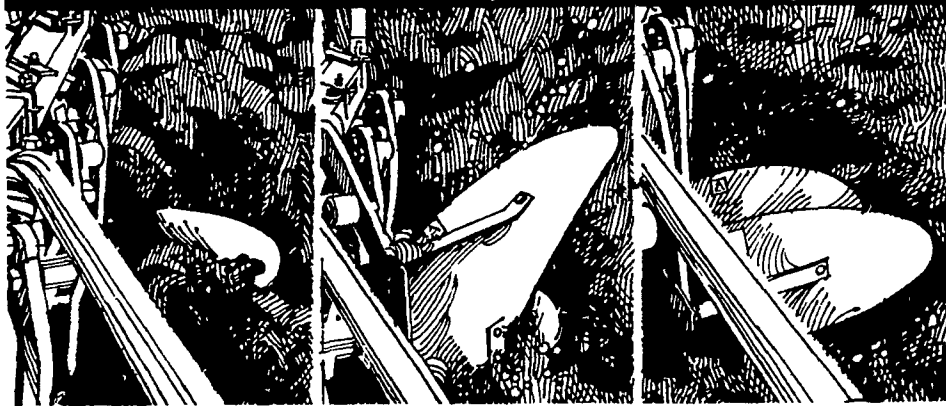
allows the operator to stack big round bales 3-high in barns or sheds, 2-high on trucks and gives the height needed to load the bales into tub grinders or bale feeders.

The unit mounted on a tractor's 3-point utilizes dual hydraulics to squeeze and release bales at heights up to nine feet. The hugger arms are interchangeable with other DewEze bale handling equipment, including the Bale Hugger Model 165 and Bale Pickup Model 265.

The Company also manufactures a Gin Pole attachment for heavy lifting jobs, an implement hauler attachment, and platform attachment for loading and unloading barrels or feed sacks.

More information on the Model 165 H Hi-Lift Huger is available from DewEze Mfg., Inc., Route 2 Box 4A, Harper, Kansas, 67058, or (316) 896-7381.

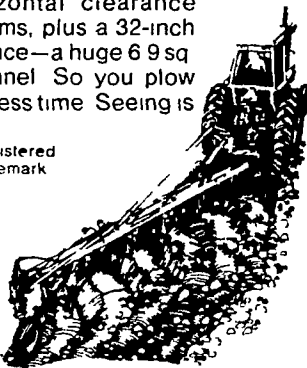
Bottoms Up!



Come see MonoFrame plows with Bump and Run hydraulic reset bottoms which lift over buried objects and reset automatically. Look into the Allis-Chalmers 7-bottom semi-mounted plow. It gives you 18-inch furrows in a 12-foot wide cut. Plugging is all but eliminated thanks to a full

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