



New Squeeze Chute Ideal For AI

Two Nebraska cattlemen have developed an artificial insemination chute which they feel works better than a squeeze chute and makes AI a one-man job.

Nolan and Neil Hueftle, of Cozad, incorporated all the features they missed in commercial chutes into the new chute. "The chute is designed so cows stand quiet without being locked in the headgate. The most important feature is the rear restraining bar. As the animal walks into the chute, it swings in behind and moves 5 ft. laterally back and forth on a rail to adjust to different size cows. It locks into place easily as the cow enters the chute and moves ahead with a push of your hand or even your leg as you follow the cow in," explains Nolan.

Besides the restraining bar, the chute features a side release gate, smooth side walls, a covered top for sun protection and a wood floor that can be replaced in minutes by removing just two bolts. The chute is an extra-long 11 ft. so, that for AI, the inseminator has room to stand inside the chute at the same height as the animal and on the same solid footing. The Hueftles say the chute will handle animals of all sizes.

Several chutes have been built for neighboring farmers. The Hueftles would like to find a manufacturer to build the patented chute commercially.

For more information, contact: FARM SHOW Followup, Hueftle Land and Cattle Co., Rt. 2, Box 85, Cozad, Neb. 69130 (ph 308 784-4076 or 784-3251).



Dump Truck Manure Spreader

"My truck liquid-manure spreader is more versatile than a tractor drawn tank and I can make better time on long hauls. Also, it'll get up and down much steeper terrain than a tractor and spreader," says Fred Garber, Lancaster, Penn., who put a manure tank on the back of a truck to build a self-propelled manure spreader that easily converts to a dump truck.

Garber started with a 1971 International F2,000D, 10-wheel, 14-ft., dump truck with five low gears in deep reduction range and a pto for powering the impellor. A local welding firm

built a 3,246 gal. tank to set in the truck bed for hauling manure.

Garber then installed a valve and impellor at the rear of the truck. Air cylinders are used to open the valve, open the lid on top of the tank and to latch the lid shut.

The manure spreader truck converts back to a dump truck in ½ an hour by removing 3 chains with loadbinders, disconnecting the air lines and slipping the pto shaft off.

Contact: FARM SHOW Followup, Fred Garber, Route 6, Lancaster, Penn. 17603.

Two-Wheeled Wheelbarrow

Wheelbarrows can be one of the most useful tools on the farm but they're also one of the most awkward when piled high with whatever has to be hauled. Merlin Schwanke, Sanborn, Minn. has a way to make wheelbarrows more stable for hauling



big loads. He added a front wheel.

"Anyone with problems with wheelbarrows tipping over should add another wheel. It'll stabilize the front end and let you carry bigger loads farther. Makes it a much handier tool," says Merlin.

He mounted two small trailer type wheels beneath the framework of his older model wheelbarrow.

He adds that on new models, you may have to brace it up a bit — especially those with ½ in. axles.

Homemade Sprinkler Keeps Cows Cool

"I used to lose a lot of milk production every summer because of heat stress until I hit on this low-cost cooling system. It really works," says John Moore, who milks 70 cows on his southeastern Missouri farm near St. Mary's.

"I first tried a perforated garden hose, then an oscillating lawn sprinkler, but nothing worked. I finally strung a ½-in. garden hose above the alley of the free-stall barn and installed fogger or mist nozzles — the same ones used to cool hog houses. They work great. My cows stay cool and production holds up in hot weather."

Moore uses nozzles with an output of 5 gal./hr. at 40 psi

pressure. They're spaced 7 ft. apart in a single line running about 8 ft. above the alley. This height lets him work underneath with his tractor, yet covers the alley without getting the stalls wet.

When outside daily temperature is in the 80's and 90's, he runs the misting system 8 hrs. a day. It's turned on with a timer, and could be equipped with a humidistat to automatically kick in when humidity reaches a critical point. In the fall he takes down the nozzles and screens, and drains the water lines.

His investment in the home-made cow-cooling system is small — a garden hose,

plus 16 nozzles at \$1.50 each. "I just nailed 2 x 4's to the joists and stapled the hose to them," Moore told FARM SHOW.

In an 8-hour day the system uses 640 gals. of water. "With that amount of water, you have to be sure to have good drainage or you'll start to have problems," Moore cautions.

His cooling system has been operating for several years with no problems. "In the hottest weather, it drops the inside barn temperature 15 to 20°. I figure avoiding hot weather slump in milk production can easily be worth \$40 to \$80 per cow," says Moore.