

## Horse Progress Show Highlights

### Combining With Horses

With the help of a Pioneer 74 hp diesel pto forecart, this Model 42 Deere combine is horse-drawn. The four big Belgians easily pull the combine with its 9-ft. header and 42-bu. grain tank around the field, while the cart's hydraulic brakes and hillside steering make handling easy. The diesel pto cart lists for \$15,154.

Contact: FARM SHOW Followup, Pioneer Equipment, Inc., 16875 Jericho Rd., Dalton, Ohio 44618 (ph 330 857-6340).



A 74 hp diesel pto forecart mounted on cart behind horses powers combine.

### High-Clearance Sprayer

Spraying 4 to 5-ft. corn is a snap with this one-horse, high clearance (54-in.) sprayer from IVA Manufacturing. The sprayer has an 85-gal. tank and two 10-ft. manual lift booms. The gas engine provides up to 300-gpm pressure. IVA also offers a 2-horse model with a 150-gal. tank and up to 30 ft. of boom length. The 1-horse sprayer sells for \$2,450. The 2-horse unit is \$2,750.

Contact: FARM SHOW Followup, IVA Manufacturing, 175 Churchtown Rd., Narvon, Penn. 17555 (ph 717 768-0747).



One-horse, high-clearance sprayer has an 85-gal. tank and two 10-ft. manual lift booms.

### Forecart Turns Horses From Hayburners To Haybalers

This \$6,200 forecart from I&J Mfg. makes baling hay with horses easy. The 35 hp gas engine, hydraulic brakes, steering and stabilizer provide the power and load handling on this New Holland BC5050 baler and hay basket. Jake Blank, I&J, says the forecart works equally well on haybines, corn pickers and rotary mowers.

Contact: FARM SHOW Followup, I&J Mfg., 5302 Amish Rd., Gap, Penn. 17527 (ph 717 442-9451).



I&J's forecart is shown pulling a New Holland baler and hay basket.

### Chariot Manure Spreader Eliminates "Clumps"

The ground driven, 30-bu. spreader from ABI Equine features a shredder drum and spiked agitator bar to shred and spread clumps and shaving. It leaves behind a thin, even, 3-ft. wide layer of manure. The spreader can be powered by a ground drive unit or hydraulic drive. With the ground drive, the operator uses a ratcheting turn knuckle to engage two extra wheels with the ground to begin spreading. With the hydraulic drive, the operator can use a variable flow control to vary the amount of manure left behind.

The Chariot Spreader is being pulled by a team of Haflingers and a Pioneer pony forecart. Contact ABI Equine for prices.

Contact: FARM SHOW Followup, ABI Equine, 1320 Third St., Osceola, Ind. 46561 (ph 877 788-7253).



Horse-pulled, 30-bu. manure spreader can be powered by a ground-drive unit or hydraulic drive.

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David Montalbano needed a concrete mixer for a house he was building, so he made one to fit his tractor's front-end loader.

## Loader-Mounted Concrete Mixer Dumps On Demand

Mounting a concrete mixer on his tractor's front-end loader just made sense to David Montalbano. He needed a mixer to pour piers for a house he was building. He liked the idea of being able to mix in a prep area and bring the concrete to the spot it was needed with the same rig.

"I looked for a mixer made to be mounted on a loader but couldn't find any," says Montalbano. "I had built a couple of other quick attachments for my loader and still had the wood patterns."

He made the mixing drum out of a rusty 240-gal. well tank.

"I cut down the tank and made a 14-in. long cone to reduce the opening," explains Montalbano. "The cone was made from 4-in. wide, 1/8-in. flat strip steel. I trimmed each piece on a taper and welded them together over a plywood jig."

Once the cone was welded to the drum, he smoothed out the sharp edges by rolling a 5/8-in. steel rod to fit and welding it in place. Two fins welded inside the drum ensure a proper mixing action.

"I still needed a drive, but was unable to find one at a decent price," says Montalbano. "A landscaper friend offered me an old hydraulic-powered, self-propelled mower. I used the wheel motor to make my drive."

Montalbano welded a 10-in. trailer rim to

the back of the mixing drum. He then bolted it to the four-bolt wheel hub on the motor. The base of the wheel motor was then mounted to the center of a 1/4-in. thick, 2-in. angle iron. Quick connect couplers for the loader were attached to either end.

Montalbano built a cradle out of 2-in., 14-ga. square tubing to support the mixing drum when in use. The square frame was slightly larger than the tank with room for 3-in. caster wheels to be mounted on diagonal braces at each corner. The cradle square was in turn mounted on 1 1/4-in. steel tubing that ran back to the quick connect coupling angle iron.

Hydraulic power was supplied by hoses from auxiliary ports on back of the tractor with quick connects to the wheel motor.

Montalbano reports the mixer worked great once he installed a needle valve to slow the mixer down. "On the first test the drum spun at 200 rpm's at idle speed," he recalls. "I found 25 rpm's was about right and since then have mixed about 400 bags of concrete with no problem. With all the scavenging I did, the whole thing cost only about \$400."

Contact: FARM SHOW Followup, David Montalbano, 481 Durant Rd., Pollok, Texas 75969 (ph 713 467-8937; cell 713 548-3624).

## Duct Tape "Identity Tags" For Calves

By Heather Smith Thomas

Last winter we had severely cold, windy weather while we were calving. In order to keep some of the newborn calves from freezing to death, our son and his wife had to thaw and warm dozens of calves in the little trailer house they use as a 'cow camp' while they're here at our ranch during calving season.

Sometimes they'd have five or six new babies in the trailer at once, warming and drying by the wood stove, feeding them colostrum via bottle or stomach tube before taking them back outside to their mothers. In order to make sure they never had a mix-up or confusion as to which calf was which - since a cow knows her own calf by smell and would refuse to take one back that wasn't hers - they used duct tape to tell them apart.

They didn't want to put ear tags into these new babies during the cold spell, since some of the ears might have already been frozen and the calves might lose ear tips and possibly their tags. So they came up with a little trick - writing the mother's number with a mark-



To tell newborn calves apart, Thomas writes the mother's number on a piece of duct tape and sticks it onto calf's back.

ing pen on a piece of duct tape and sticking it onto the back of the calf.

Contact: FARM SHOW Followup, Heather Thomas, P.O. Box 215, Salmon, Idaho 83467 (ph 208 756-2841).