

## Business News



The New Holland Model 580 baler from Ford New Holland features a 16 x 18 inch bale chamber and 80-inch pickup. An exclusive rotary feed design and higher torque slip clutch add capacity and reliability for commercial hay growers and custom operators.

### 75-Inch Pickup On Square Baler

NEW HOLLAND (Lancaster Co.) — The new New Holland Model 580 baler from Ford New Holland features a 16 x 18 inch bale chamber, 75-inch pickup (over 80 inches with flare), exclusive rotary feed system, and a higher slip clutch capacity to transmit more tractor torque.

"The design provides additional baling capacity and more reliability than the well-accepted Model 426 it supersedes," said Ford New Holland Product Manager Jim Payton.

"Farmers who tested the new '580' report they can usually bale a gear faster because the baler gets the hay off the field and into the bale so much easier. They like the improved bale shape and appearance, too," Payton said.

The increased capacity is the result of the rotary feed system and the additional power that can be transmitted to the baler by the 3-joint Category VI PTO with power pivot and the extra large 3-disc clutch. The new clutch transmits 25 percent more torque. This higher torque, coupled with a shorter crank, increases density capability.

"The improved bale appearance is the result of a combination of design improvements," Payton said. "A plunger guide rail that grooved the left side of the bale has been eliminated. On the right side, the location of the bale chamber hay dogs and knife has been changed to reduce 'shingling.' Coupled with the superior bale case fill due to the '580' rotary feed system, the new baler consistently turns out square, dense, uniform bales that stack and ship better. This feature is important to commercial hay growers and custom operators."

Hydroformatic bale tension control is standard on the new baler.

"Knotters are gear driven and the hard bill hook chrome plating has been increased to further extend reliability. Users can expect to bale thousands of bales without a miss," Payton said.

The "580" bale chamber floor is replaceable. Convenience options include a light kit for night-time baling, hydraulic tongue swing and hydraulic pickup lift. A needle slot baffle kit, bale case extension, and safety tow chain are also available.

### Masts Excel In Corn Yield Contest

MORGANTOWN (Berks Co.) — Yields of 198.44 and 177.02 bushels per acre recently gave Paul and Ernest Mast first place in the no-till irrigated and second place in the irrigated divisions of the 1991 National Corn Growers Association (NCGA) National Corn Yield Contest in Pennsylvania.

The father and son team took the honors with entries of Pioneer hybrids 3241 and 3140. Paul's first place entry was planted May 1, 1991 and son Ernest's entry May 4 in 30-inch rows at a planting rate of 29,900 seeds per acre. The first place entry was fertilized

with approximately 172 pounds of nitrogen, 20 pounds of phosphate, and 20 pounds of potash per acre. The second place entry received approximately 196 pounds of nitrogen, 32 pounds of phosphate, and 32 pounds of potash per acre.

The field that produced the first place entry had been planted to soybeans in 1990, while Ernest's second place entry came from a field that had been planted to potatoes a year ago. Both crops were planted with a John Deere 7000 planter. They were harvested October 15, 1991 at 21.9 percent and 23.9 percent moisture levels, respectively.

The Masts applied Extrazine



"Skip" Plant, kneeling, WaterMark Video producer, coaches Andrea Africa, left and Kate Conlin for their appearance in a Stanley Tools video production at Umberger's of Fontana.

### Stanley Tools Video Uses Central Pa. Sites

HERSHEY (Dauphin Co.) — Manufacturing Innovation Through Technology, a new corporate video presentation for Stanley Tools, illustrates advanced automated processes used in the assembly and packaging of Stanley's tape rule product lines.

The presentation was produced by WaterMark Video Inc., of Palmyra, who chose central Pennsylvania actors and locations to

accompany technical sequences shot at Stanley's New Britain, Conn., manufacturing facility.

The video opens with a point-of-purchase scenario staged at Umberger's of Fontana, a hardware store and Stanley Tools dealer in Lebanon County. Other scenes include the construction of "Shaker" furniture with Dan Backenstose of Schaefferstown, and woodworking by students at

SUN Vo-tech, New Berlin.

According to Terry Christensen, director of Stanley Tools' Advanced Manufacturing Division, "Videos like this one play an important part in technology transfer and communication between various divisions of our company." The video presentation will be distributed to Stanley manufacturing sites across the United States and around the world.

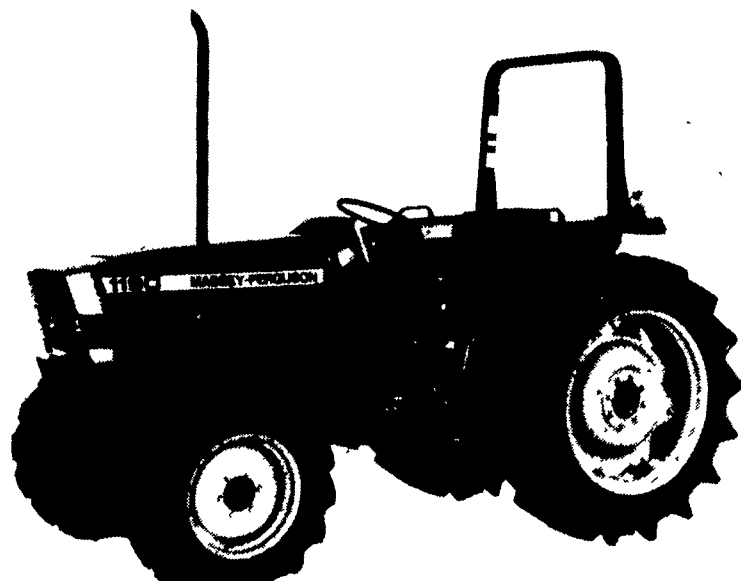
### Synchro Shuttle Transmission On New Tractors

DES MOINES, Iowa — Massey Ferguson continues its introduction of the new generation of 1100 Series tractors with the release of the MF 1180 (46 PTO hp) and MF 1190 (52 PTO hp) four-wheel-drive models.

Massey Ferguson 1100 Series models introduced in 1991 are the MF 1140 (26 PTO hp), the MF 1145 (31 PTO hp), and the MF 1160 (37 PTO hp).

Standard features for the MF 1180 and MF 1190 include a 169 cubic inch direct injection 4-cylinder diesel engine and a synchro shuttle transmission that shifts between forward and reverse using a single lever on the left side of the steering column.

The shuttle transmission is coupled with a partially synchronized 16 forward and 16 reverse



Two new Massey Ferguson four-wheel-drive tractors — MF 1180, 46 PTO HP, and MF 1190, 52 PTO HP (pictured) — feature direct injection 4-cylinder diesel engine, 16 speed synchro shuttle transmission, and full flat deck.

speed transmission. The third and fourth gears of the main transmission are equipped with a synchromesh unit to allow shifting from second-to-third and third to fourth in each of the four ranges while the tractor is moving.

Other standard features include a 55-degree, bevel-gear-driven, heavy duty front axle that transfers full power to the wheels at all steering angles; a spacious, full flat deck that helps the operator stay comfortable during long hours of work; a 3-position tilt steering column that keeps controls within easy reach; a large, spring suspension seat that adjusts

fore and aft as well as adjusting for the weight of the operator; and an electro hydraulic actuated independent PTO. The PTO is engaged by simply pushing a button on the steering column.

The front grille and side panels on both tractors are easily removed to reach the engine, engine accessories, and battery for easy servicing. A vertical exhaust is easily converted to horizontal on the MF 1180 by adding the exhaust pipe out the side.

The high performance Quick-Attach MF 232 loader mounts on both the MF 1180 and MF 1190 tractors for added versatility.



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