

EASY TO STACK, TRANSPORT

Big Bales with Straight Edges

Farmers were standing in line to get a close look at the prototype of an exciting new big baler being developed by Hesston which makes rectangular-shaped one ton bales.

"Farmer interest has been terrific", reported a Hesston spokesman at the 1977 California Farm Equipment Show where the new-style baler was on display. He emphasized that the baler is still in research and development and probably won't be commercially available until late this year or early next." We're showing this prototype to get an idea of farmer interest, and to let the public know that Hesston has some promising new hay handling ideas in the research hopper."

The prototype machine on display makes one-ton rectangular bales measuring 46 in. wide, 50 in. high and 6 to 8 ft. long. Designed for easy handling and transport, they can be loaded two wide and two high on a truck or trailer. Individual bales are wrapped with six strings of twine. They can be handled with most conventional big bale handling equipment, plus they have the added advantage over big round bales of being easily stacked and loaded for long-distance transport.

Also on display was Hesston's prototype of a companion machine for processing the one-ton, rectangular-shaped bales made by the new baler.



Individual rectangular bales made by the new Hesston prototype machine measure 46 in. wide, 50 in. high and 6 to 8 ft. long.

IT'S MECHANICAL WITH INFINITELY VARIABLE SPEED

"Clutchless" Tractor Has New-Style Transmission

Custom built "clutchless" tractors equipped with a first-of-its-kind transmission are now in commercial production at Great Falls, Mont.

Designed and developed by Dave and Jack Curtis, of the D. L. Curtis Co., they're reportedly the first farm tractors to feature an automatic, infinitely variable speed mechanical transmission.

"We think it's the biggest breakthrough in tractor design to come down the pike in many years," Dick Curtis told FARM SHOW. "We're calling it the Rite tractor because that's exactly what it is — the right tractor for the farmer who wants the most for his money."

Outstanding feature of the patented mechanical transmission with infinitely variable speed is its high efficiency compared to hydrostatic drive transmissions, Curtis points out.

New Rite tractors are available in five different models ranging from 200 to 600 engine hp. Prices range from \$69,000 to \$171,000. They're available with the new-style transmission; a Kt 400 Cummins diesel engine (Detroit or Caterpillar optional); A Rite transfer case designed by the Curtises; a Spicer driveline; a Clark or Caterpillar axle; a 60 in. wide custom-built cab; 30.5 by 32 duals; and Budd type wheels. The model pictured weighs 45,000 lbs. and measures 15 ft. 11 in. wide (with duals). Like all models, it can be ordered with a conventional transmission (Ag 212 Fuller with 15.5 in. double plate self-adjusting clutch)



Outstanding feature of the new Rite tractors is the "clutchless" infinitely variable speed mechanical transmission. Model 404 boasts 400 hp. Other models ranging from 200 to 600 hp also available with the new-style transmission.

but the Curtises anticipate that most customers will want the new "clutchless" and infinitely variable speed mechanical transmission.

Its speed is infinitely variable from 0 to 20 mph. You just dial in the speed you want and the automatic transmission takes over. In tough going, it automatically shifts down to retain the present speed.

For the past 20 years, the Curtises have specialized in redesigning and remodeling 4-wheel drive Wagner and other 4-wheel drive tractors. They began custom building new 4-wheel drive tractors three years ago.

For more details on their Rite tractors, and the revolutionary transmissions they've developed, contact:

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