



Photo shows Hundt feeding newspapers into modified wood chipper that blows shredded paper into "cyclone" above Deere square baler.

WOOD CHIPPER MATCHED UP WITH BALER

Chop/Bale System For Paper Bedding

Newspaper makes better bedding than straw, according to many farmers who've tried it. They say it's up to 50 percent more absorbent and dissolves completely once it gets into a slurry system.

Wisconsin dairy farmer Vince Hundt first tried paper for bedding after the drought of 1988 when conventional bedding material was in short supply. In the process of creating his own paper bedding he came up with a paper-to-baled-bedding system that married up a Valby wood chipper to a Deere square baler. It worked so well he decided to offer the chop/bale system for sale. Response was so strong he has since sold his dairy herd.

"Interest is tremendous. I'm selling them all over the country both to farmers who need bedding or who want to start a sideline business, and to communities that have been forced to shut down landfills and begin recycling. It does a far better job than other commercial systems selling for \$200,000 or more, and is a lot easier to operate," says Hundt.

The system consists of a Valby chopper that blows chopped-up paper into a "cyclone" tank mounted above the feeder auger on a Deere square baler, which then makes normal-sized, 60-lb. bales. Hundt sells the system as a complete package or makes any of the components available separately.

The Valby chopper, which is built in Finland, is the best machine available for chopping paper, according to Hundt, because of its disk-type cutter assembly that produces flaked paper that will not wrap around animals' feet. Whole bundles of paper are fed into the chopper - you don't

even have to remove the twine. The chopper is unique in that it can also be used to chop plastic and wood. Hundt says many communities who've bought his system for recycling run all plastic waste through the chipper, reducing its volume as much as 15 times.

The key to the system is the cyclone tank between the chopper and baler. Air enters the side of the tank and swirls around inside, allowing paper to drop down into the baler while air goes up out the top. The cyclone can be mounted on any baler but Hundt says most buyers have opted for Deere balers because they have feeder augers rather than packing arms. Augers can better handle the constant flow of material and packing arms make it more difficult to mount the tank. As far as he knows, no one has tried making big round bales of paper.

"We can make 75 uniformly chopped, consistently tight 60-lb. bales per hour. Bales flake apart easily for spreading. Many cities give the chopped paper to farmers for free, or sell it at a low price, because it can cost more than \$100 a ton to bury it in landfills," says Hundt.

The Valby chopper and Deere baler can both be powered by tractor pto or by stationary electric or gas motors. At one installation, for example, the chopper is powered by a 50 hp. 3-phase electric motor and the baler by a 15 hp. motor.

A paper-baling kit for a Deere baler sells for \$6,825. A pto-powered Valby chopper sells for \$7,375.

For more information, contact: FARM SHOW Followup, PCR Inc., Rt. 1, Box 392, Coon Valley, Wis. 54623 (ph 608 452-3651).



Catch loop slips over wagon tongue. Locking mechanism mounts on 3-pt. hitch.

NO HYDRAULICS

New 3-Pt. Auto Hitch

A new automatic hitch that mounts on your tractor's 3-pt. hitch lets you hook up to any wagon or trailer without getting out of the tractor cab.

The EcZee hitch comes in two parts. The first is a "catch loop" and stand that holds the tongue 8 in. off the ground. The loop and stand slip over the wagon tongue and are held in place by any conventional hitch pin. The second part of the hitch mounts on the tractor's 3-pt. and is equipped with a locking mechanism that automatically locks onto the tongue loop. To unhook, simply pull a rope to release the safety latch and lower the 3-pt. hitch to let the loop out of the hitch.

"Unlike other auto hitches there's no permanent modification required. You can move the catch loop from wagon to wagon as needed," says Cordell Schmidt, inventor.

The 3-pt. part of the hitch sells for \$225. The tongue loop is available in two sizes to fit either a 3-in. (\$63) or 4-in. (\$70) wide wagon tongue.

For more information, contact: FARM SHOW Followup, John Day Co., 6263 Abbott Dr., Omaha, Neb. 68110; or John Day Co., 2475 N.E. 78th St., Ankeny, Iowa 50021; or John Day Co., 1000 E. First Ave., Milan, Ill. 61264; or John Day Co., 205 Industrial Rd., Redwood Falls, Minn. 56283.



Forks slide down to ground over a roller at back end of pickup box.

Bale Loader Rolls Off Back Of Pickup

"I was tired of handling round bales with a tractor in the cold of winter so I built this pickup bale mover that lets me load and unload big bales without getting out of the truck. It's the best piece of equipment I've ever built," says R.W. Cupps, Santa Anna, Tex.

His ingenious bale mover uses a first-of-its-kind rolling mechanism to maneuver bales in and out of the pickup bed.

"I mounted an 11 gpm hydraulic pump in place of the air conditioning compressor, driving it with the fan belt. The fluid reservoir also mounts under the hood. A control rod runs from the pump through the firewall to the dash.

"Two 2 by 6-in. lengths of channel iron run the length of the pickup bed with cross members to brace them. The bale rack slides into these channels. A 3-in. dia. steel roller mounts across the back of the pickup just above the bumper. A single hydraulic cylinder attaches to the 4-prong

hay rack, anchored to the front cross member at the front of the pickup box. It pushes the hay fork out the back of the pickup to load a bale, then pulls it back in. When the bale is in the pickup the forks point straight up, holding the bale vertically over the rear axle.

"The advantage of using the roller assembly is that the bale rack is held in place by just one bolt on the hydraulic cylinder. This makes the rack easy to remove to haul other cargo. If you need to remove the channel iron track, just six bolts hold it in place.

"One big benefit of this pickup bale handler is speed. I've got a field about a mile from my hay storage area. It takes just 9 min. to load a bale, haul it to the stack, unload it and return to the field for another bale."

Contact: FARM SHOW Followup, R.W. Cupps, HCR 78, Santa Anna, Tex. 76878 (ph 915 348-3025).