



The Allard's large-scale nurse unit consists of a 35 by 8-ft. trailer carrying 2 and 4-ton hoppers and a 2,000-gal. anhydrous tank.

One-Pass System Fed By Big Nurse Unit

Seeding is a fast, efficient and moisture-conserving process for the Allard family at St.-Isidore, Alberta, thanks to the unique planting system they created.

Francois Allard farms together with his father and two brothers in Alberta's Peace River region. He says the family combined a one-pass system with a nurse unit to improve

seeding output. It also allows them to run the operation with only two people, including moving from field to field throughout the day.

"This is our fifth year of using this zero-till system that consists of a Cat Challenger, 50-ft. Morris Maxim Air Drill with a 300-bu. combination fertilizer/grain tank, and a 2,000 U.S. gal. anhydrous tank in the back,"



Zero-till system consists of a Cat Challenger, 50-ft. Morris Maxim Air Drill with a 300-bu. combination fertilizer/grain tank, and a 2,000-gal. anhydrous tank on back.

Allard says. "The whole thing is roughly 100 ft. long."

To feed the various components of the one-pass system, Allard rigged up a large-scale nurse unit, using a 35 by 8-ft. trailer they already had. The trailer carries a 2 and 4-ton tank and a 2,000-gal. anhydrous tank. It takes about 25 minutes to fill the one-pass system, which can seed 60 acres of oats or 120 acres of canola without stopping.

An added feature of the nurse unit is a device that Allard created to apply "Dividend" seed treatment. He used a six-

gallon fiberglass container from an old foam marker off a sprayer, and added a regulator and a low pressure gauge to adjust flow rate. Allards use the air off the truck to supply the unit. The device sits on the high-boy deck and uses about 3 lb. of air pressure to air feed the product onto the seed.

Contact: FARM SHOW followup, Francois Allard, Box 1188, St.-Isidore, Alberta, Canada T0H 3B0 (ph 780 624-3435, fax 780 624-9630), E-mail: fallard@telusplanet.net).

Belt-Operated Bale Hauler Easy On Net Wrap, Plastic

Self-contained round bale haulers that can be pulled behind a pickup are becoming more popular as a way to reduce time spent traveling between fields. David Snodgrass of Johnston, S.C., liked the idea, but he also wanted to be able to handle net wrap and plastic wrap bales without damaging them. So he came up with his own round bale hauler that uses a rubber belt to unload bales. It has no chains or gears.

"It loads and unloads net-wrapped or plastic-wrapped round bales without causing any damage to the material, and it's available with different hitches so you can pull it with either a pickup, tractor, or even horses," says Snodgrass.

The patent pending, tandem axle trailer is designed to haul up to six bales at a time. It's equipped with a side-mounted loading arm and a 40-in. wide rubber belt that runs along the trailer's floor. The loading arm is operated by an electric/hydraulic system, and the conveyor is operated by an electric motor. Both units are powered off the pickup's 12-volt system and are controlled from the pickup cab. A button is used to operate the loading arm and a toggle switch is used to

move the belt forward or backward.

To load a bale, the lift arm places a bale on the belt and then it's moved back far enough to make room for the next bale. The bales are contained on the belt by side-mounted steel rails that are adjustable in height according to bale size. To unload the bales, the operator slowly drives forward and runs the bales off the back one at a time. Or, he can unload all bales at once by pulling on a rope to release a catch. The weight of the bales then tips the trailer backward so that all bales come off in a row as the driver pulls forward.

"It eliminates the need to move bales out of the field before you wrap them because you know you can move them later without damage," says Snodgrass. "The belt is the same kind used in round balers so it's rugged."

"Tractor-pulled models come with hydraulic motors to operate the belt and are designed to run off the remote hydraulic outlets. You need only a 30 or 35 hp tractor to operate it.

"The model for horses has a steering axle in front and comes with an 8 hp Honda gas engine."



Trailer is equipped with a side-mounted loading arm and a 40-in. wide rubber belt that runs along trailer's floor. A toggle switch is used to move belt forward or back.



To unload bales, operator can run bales off the back one at a time or unload all bales at once by pulling on a rope to release a catch.

Snodgrass says his hay hauler could probably be marketed for less than \$10,000. He's looking for a manufacturer.

For more information, contact: FARM

SHOW Followup, David S. Snodgrass, 925 Airport Road, Box M, Johnston, S.C. 29832 (ph 803 275-5602).

Freezer Makes Good Auto-Waterer

Tim Kabanuk of Leduc, Alberta, found a simple, cheap way to keep his horses supplied with cool, clear water. He turned an old freezer into an automatic waterer.

Kabanuk used a regular chest-type freezer that had stopped working. Instead of taking it to the dump, he removed the lid and screwed galvanized metal along the top edges for reinforcement against damage from animals. He placed the freezer halfway through the fence in his horse pens and ran a water line along the plank above the freezer. Kabanuk then bought a float at his local farm supply store and attached it to a notched board that sits across the middle top of the freezer.

The water automatically shuts off once it gets to within one inch of the top of the freezer.

By placing the homemade water tank through the fence, Kabanuk is able to provide water to two pens of animals.

Because the freezer is insulated, Kabanuk plans to winterize the unit by putting the original lid back on and cutting a hole on each side. He says he will drop a floating stock tank heater inside, and expects to have an almost maintenance-free winter water supply for his horses.

Contact: FARM SHOW Followup, Tim Kabanuk, R.R.1, Leduc, Alberta, Canada, T9E 2X1 (ph 780 387-2262).



Tim Kabanuk removed the lid from a regular chest-type freezer and placed it halfway through the fence in his horse pens. Note water line above freezer.