



Ground-driven manure spreader is available with 2 or 4 steel or rubber wheels. The 4-wheel model has a front-end steering axle.

Ground-Driven Spreader Works With Pickup, Horses

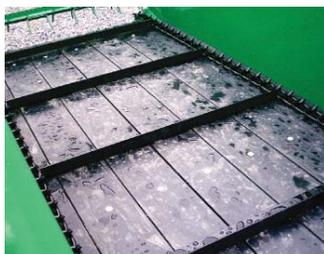
The stainless steel apron chain, Cor-Ten steel sidewalls, and 3/4-in. tongue-and-groove poly floor make this spreader a modern marvel. But its drive system is all about old-fashioned simplicity. No pto is required to operate the ground-driven rig.

Built by Daniel Herschberger of Quarryville, Penn., the 85 and 110-bushel spreaders come with two or four steel or rubber wheels.

"They are used by everyone from Amish farmers to horse people who like to work with draft horses and mules instead of tractors," Herschberger says. People with limited tractor power also appreciate them. They only require 25 to 30 hp. They're also handy for people who need to transport manure longer distances.

"One buyer has a horse park in Florida and likes it because it's ground driven," Herschberger explains. "He has 500 acres of land, but some of it is 5 miles away, and he can pull the 2-wheel model with his pickup."

People with horses use the 4-wheel model with its front-end steering axle. The spreader can be used to haul manure, chicken litter or sawdust.



Spreader is equipped with a stainless steel apron chain, Cor-Ten steel sidewalls, and a tongue-and-groove poly floor.

"The triple beater design gives a nice even spread pattern," Herschberger says, adding that the spreaders clean up nicely and can be used for double duty in pastures.

He offers several options, including two seats for parade-goers and 4-wheel disc brakes, which a mule owner plans to use to help break his mules.

Prices range from \$3,600 to \$5,500.

Contact: FARM SHOW Followup, D.H. Welding, LLC, Daniel Herschberger, 459 Valley Rd., Quarryville, Penn. 17566 (ph 717 806-0129).

Wood-hauling trailer is divided into four 4-ft. sq. sections. Each section holds a half cord of firewood.



"Measured" Firewood Trailer

Bill Kelsey, Sharon, Conn., wanted an accurate way to measure how much wood he burns in his wood stove each day. So he built wood hauling trailers divided into four 4-ft. sq. sections.

"One section equals a half cord of firewood, so each trailer holds 2 cords of wood. By knowing exactly how much wood is on the wagon, it's easy to tell how much I'm burning in my house and how fast I'm burning it," says Kelsey.

"During the winter I leave the loaded wood on the trailer, so it's up high and dry. I often leave wood on the trailers for a full year before I burn it, so the wood gets really dry. I've found that it takes an average of 6 cords of wood to heat the house for the winter."

Each trailer is 16 ft. long and mounted on a 5-ton wagon running gear. A sheet metal roof keeps the wood dry.

He used 4-in. channel iron and 2-in. dia. pipe uprights to build a frame for each section and 1 by 8 oak boards to form the sides. He also used 1 1/2-in. angle iron to build trusses for the trailer's aluminum roof.



Bill Kelsey uses this 2-wheeled cart to move wood from trailer to his house.

Kelsey also made a 2-wheeled cart he uses to move wood from the trailer to the house. "I fill it with wood once a day, which is enough for a day's supply," says Kelsey. "I used 1-in. sq. tubing for the frame and 1/2-in. pipe for the handles, and added 20-in. tires. I copied the design out of a gardening magazine but reinforced the corners to make it sturdier. It works great and is balanced perfectly when loaded so it's easy to push."

Contact: FARM SHOW Followup, Bill Kelsey, 5 Weber Rd., Sharon, Conn. 06069 (ph 860 364-0288).

Flat-Free Tires Use Air Filled Poly Foam

Flat-free tires cost more up front but save money over time. However, all flat-free tires are not equal, warns Chris Daum, general manager, Carefree Tire. Manufacturers don't all use the same materials.

"Some companies claim their rubber or pneumatic tires are flat-free, too," says Daum. "They may be durable, but they tend to be heavy tires and create weight issues. We use a process that traps air in light weight poly foam."

Daum says Carefree is the only U.S. company that makes the raw polyurethane material as well as the tires themselves.

Daum explains that some polyurethane tire makers use fillers or additives to reduce cost, but that can also affect the integrity of the material. Carefree uses a centrifugal casting method that uses a rapidly spinning tire mold. As a result, air cells are trapped in the polymer of the tire as it forms, providing an "air cushioned" ride. The centrifugal casting creates a variable density tire with a firm tread area for easier roll and soft sidewall for shock absorption.

The company claims the technique not only creates a tire that lasts up to 10 times longer than a pneumatic tire, but requires 40 percent less effort to roll.

Carefree markets its five tire products through original equipment manufacturers.



Flat-proof Carefree Tires use a process that traps air in lightweight poly foam.

They're also available direct through the company website.

"Our polyurethane foam can also be used to flat-proof existing tires," says Daum. "ProEdge in Florida has the special machinery required. Customers ship their pneumatic tires to them to be flat proofed."

Contact: FARM SHOW Followup, Carefree Tire, 5141 Firestone Place, South Gate, Calif. 90280 (ph 323 249-2868; www.carefreetire.com) or ProEdge, 301 Mango Tree Drive, Edgewater, Fla. 32132 (ph 386 428-9718; toll free 888 776-3343).

Marathon Tires

Julie Stafford, Marathon Tires, stresses that the wheel bearing strength is especially important with polyurethane tires. "Even if the weight capacity of a poly tire is exceeded, the tire will be fine," she says. "The ride will suffer, but it won't blow like a pneumatic tire will."

Marathon makes a wide range of flat-free ties for many different uses.

Contact: FARM SHOW Followup, Customer Service, Marathon Industries, 7925 S. 196th St., Kent, Wash. 98032 (ph 253 893-7014; toll free 877 425-1640; sales@marathonind.com; www.marathontires.com).

Even if the weight capacity of a Marathon polyurethane tire is exceeded, the tire won't go flat, says the company.



Simple Idea Chases Flies Away

A reader told us about this simple way to scare away flies and wasps.

"We recently went to a local restaurant that had all its windows open. We noticed a couple baggies pinned to the wall that each contained 4 pennies and were half filled with water. The restaurant owner said the baggies keep the flies away. We watched and saw some flies approach the open window and then head right on out again. There was not a single fly in the eating area.

"After doing a little research we learned this method is quite common in certain areas of the country. Apparently, the millions of

molecules of water in each bag each act like a prism, reflecting light out into the room. Flies have many eyes so to them it's like a zillion disco balls reflecting light, colors and movement in a dizzying manner. They won't take the risk of being around that kind of action. I talked to someone who used the idea in a horse trailer that normally had thousands of flies inside. They said not a single fly came into the trailer. Another friend put them by an opening where wasps were coming in. Once the baggy was in place, the wasps stopped coming in."

How To Reach Us

To submit a "Made It Myself" Story Idea, New Product, Shop Tip, "Best or Worst Buy", or other information, send a note along with photos, drawings and literature, if available. We'll get back to you later if we need more details. Send to: Editor, FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 (ph 800 834-9665; fax 952 469-5575); email: editor@farmshow.com. You can also submit information at our website: www.farmshow.com.

To change your address, renew your subscription, take out a new subscription, order videos or books, or for other information regarding your subscription, contact: Circulation Department, FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 (ph 800 834-9665; fax 952 469-5575; email: circulation@farmshow.com).