

## Made-It-Myself Powered Feed Carts

### Pickup-Mounted Grain Feeder

An antique combine grain tank works great as a pickup-mounted grain feeder, says Gordon Hagg, Champion, Alberta.

He mounted the tank on a pair of bale-handling arms in the back of his 3/4-ton, 4-WD pickup.

The bale handler was originally designed to carry one bale on the cradle, with a second bale carried by a pair of hydraulic arms. Hagg drilled holes in both sides of the 1930's Case combine tank and installed brackets to fit the arms. The tank is tilted up or down by a pair of hydraulic cylinders that were originally used to lift the bale onto the pickup bed. Another set of cylinders moves the bale cradle back and forth in the pickup bed.

Feed is delivered out a chute on back of the tank that's connected by a length of rope to the cradle. As the cradle moves forward

on the pickup bed, the rope pulls the chute door up, allowing grain to flow out by gravity.

"It works slick in our cow-calf operation," says Hagg, who built the unit two years ago. "We use it to feed rolled oats on top of a straw windrow that we leave in the field after harvest. By placing grain on top of the windrow, the cows don't have to eat off the ground so there's less waste."

"The tank holds about 50 bu. When I'm done using the feeder I set it down onto a home-built stand, release the lift arms, and drive away."

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Hagg used a 1930's Case combine grain tank to make this pickup-mounted feeder. It's raised and lowered by bale-handling arms on his 3/4-ton pickup.



Roberts mounted road sander on a tandem axle trailer. Rear-mounted gas engine is used to drive an auger that runs down middle of road sander and empties out the back.

### Road Sander Converted Into ATV-Pulled "Feed Cart"

Matt Roberts, Wawaka, Ind., converted an old pickup-mounted road sander into an auger cart that he pulls behind his 4-wheeler ATV.

"I use it to unload silage into the bucket on my skid loader, and then dump the feed into bunks. It was cheap to build and allows me to haul feed between two farms without the need for a pickup," says Roberts.

The cart measures 8 ft. long and 4 ft. wide. It was originally designed to slide into the back of a pickup and had an auger running down the middle to a spreader on back. The auger is chain-driven by an 8 1/2 hp Briggs & Stratton gas engine mounted on back. Roberts cut off the spreader and enlarged the original 1-in. dia. unloading hole to make it about 1 ft. square. He also moved the motor up higher so it's out of the way. The motor has its own battery and starter.

He built a trailer for the sander, mounting it on tandem axles that he got from a local camper trailer manufacturer. Diamond plate steel was used to make fenders for each side.

The control box for the auger is still in its original position, on the side of the cart at the back. An electric clutch is used to engage the chain that drives the auger, and a throttle controls auger speed.

"It takes most people a while to figure out

what it is, but once they do they think it's really slick," says Roberts. "I use it to feed corn silage to my dairy steers. I pull it with my Honda 400 4-wheeler between two farms that are about a half mile apart. I use a skid loader at one farm to fill the cart, and unload the feed into a skid loader at the other farm. Sometimes I haul four small square bales of straw on the cart along with the silage."

"I work as an employee for a big hog farm and use the cart when I come home to feed 50 dairy steers. I want to farm someday, and to do that I have to keep my costs down. My total cost was less than \$500. I paid \$200 for the sander, which I bought used from a local man who does custom snow removal. I paid \$150 for the wheels, rims, and axles that I used to make the trailer. I put running lights on the sides, brake lights under the fenders, and clearance lights on back."

"The Honda 400 doesn't have any trouble pulling the cart, but I have to be careful when stopping so that the 4-wheeler doesn't jackknife. If I want I can remove the cart and use just the trailer to haul two round bales at a time."

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Lynn Wrosch converted the grain tank and unloading auger off an old Allis-Chalmers pull-type combine into a 3-pt. mounted, hydraulic-driven feed hopper.

### Grain Tank Converted Into 3-Pt. Mixer-Feeder

Old combine grain tanks can be converted into low-cost mobile feed hoppers, says Lynn Wrosch, Onaga, Kansas. He converted the grain tank and unloading auger off an old Allis-Chalmers pull-type combine into a 3-pt.-mounted, hydraulic-driven feed hopper that he uses to feed cattle.

He used 2-in. angle iron to build a frame for the tank that attaches to the tractor drawbar with three bolts.

"I use it on my Farmall Super H tractor to deliver ground feed to 50 head of yearling cattle. The tank holds only about 20 bu. of feed but that's enough for my needs," says Wrosch.

The tank came equipped with an auger at the bottom of the bin. He mounted a hydraulic motor on back of the tank that operates off

the tractor's remote hydraulics. The motor is used to belt-drive the auger at the bottom of the tank as well as the unloading auger. A pair of diverter valves mounts in front of the tank and diverts oil either to the motor, or to a hydraulic cylinder that's used to raise or lower the unloading auger.

"To load it I back up to a granary and then use a bucket to drop feed into the tank. To deliver feed I lower the auger and then pull one of the valves to operate the auger. When I'm done unloading feed, I pull the other valve to raise the auger back up," says Wrosch.

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Hydraulic motor at back of tank belt-drives unload auger and auger at bottom of tank.