

By accurately metering the dry granular material and only spreading it where necessary, the applicators will reduce fertilizer usage and costs by up to one-third.



## Fertilizer Applicators Band 2 to 12 Rows

First Products manufactures a variety of patented fertilizer application equipment that meet the needs of both small and large farmers.

Especially notable are the company's Dry Fertilizer Applicators that allow growers to band side-dress fertilizer in the row. Banding fertilizer reduces usage and costs by up to one-third.

First Products spokesperson Carey Parrish notes, "For example, if you broadcast fertilizer at 350 lbs. per acre, you would only need to band fertilizer at 210 lbs. per acre."

First Products offers three styles of Dry Fertilizer Applicators: a 250 to 500-lb. Fertilizer Hopper, an Orchard Fertilizer

Applicator, and a 500 to 1,750 lb. Fertilizer Hopper.

The 250-lb. Fertilizer Hopper is an economy fertilizer applicator and ideal for small projects, such as food plots and home gardens. The stainless-steel hopper consists of two or three outlets and a removable auger trough. Add a 250-lb. extension to double the total capacity to 500 lbs.

The Orchard Fertilizer Applicator is designed to apply granular material to trees, orchard rows and vineyards. It will accommodate up to 12-ft. rows with adjustments, and each hopper has its own variable-rate electric drive. This works to apply between 31 to 2,000 lbs. per row,

depending on spacing. The frame bar itself can be operated with one or two hoppers. Use the optional stainless-steel lid to keep fertilizer dry and safe from dew.

Designed for larger jobs, the 500 to 1,750 lb. Fertilizer Hopper comes with a low-profile box that's easy to fill. It includes a variable-speed ground drive that allows for 75 quick-rate changes that can be adjusted without tools.

Mounts are available to make it compatible with Flat, 3 1/2 to 4-in. Diamond, and Pittsburgh Cultivators, and the hydraulic drive system can handle 70 to 1,825 lbs. per acre. Boost the capacity further with 500 and 700 lb. extensions.

According to Parrish, the pricing per unit

depends on many customizable features, including how many rows you want to cover and if you have a toolbar or cultivator to mount the boxes on, or if you plan to purchase a custom toolbar. Currently, the company offers 2, 4, 6, 8 and 12-row options.

Pricing for a 4-row custom toolbar with disk openers comes to \$19,700 and purchasing it without the custom toolbar and disk openers brings the price to \$8,750. Learn more about what model fits your needs by contacting the company directly.

Contact: FARM SHOW Followup, First Products Inc., 164 Oakridge Church Rd., Tifton, Ga. 31794 (ph 800-363-8780, sales@1stproducts.com, www.1stproducts.com).



First Products Applicators offer 2, 4, 6, 8 and 12-row options.

Tote is held diagonally by a wooden cradle attached with ratchet straps, making it easy to take it off. Feed enters through the top of the tank, and there's a cut in the bottom through which feed falls into the feeding tray.



## Pig Feeder Made From Chemical Tote

Farmer and innovator Jordan Green has developed a low-cost pastured-pig feeder that can be built in hours and will feed up to 30 pigs.

Green co-owns J & L Green Farm in Edinburg, Va., and is the founder of FarmBuilder, an online consulting and teaching service for designing and operating profitable, pasture-based livestock systems. This pig feeder is one of many DIY projects he uses on his property.

Green was inspired to tackle this project when he found commercial feeders didn't cut it in his high-movement pastured-pig operation. Not only were they expensive,

but commercial feeders overflowed easily and often had issues with clogging in wet conditions.

Green built the first of four prototypes of his DIY feeder in April 2018. The latest model, for which he sells PDF plans, is the only feeder he uses on his property today.

"Extensively developed & tested on our farm over the last four years, this feeder has revolutionized our ability to manage large groups of frequently moving feeder pigs on pasture with significant cost savings," says Green.

In this version, the chemical tote is held diagonally by a wooden cradle attached with

ratchet straps, making it easy to take the tank on and off. Feed enters through the top of the tank, and there's a cut in the bottom through which feed falls into the feeding tray.

There are rollers/agitators along the bottom of the tank. Pigs will hit them as they eat, knocking more feed from the tote into the trough. It's possible to change the size of the rollers based on how sticky the feed is; larger rollers work best for pellet feed.

The tank allows for multiple ways to change the feed flow. Says Green, "The flow can be adjusted by using different size PVC pipes for the rollers in the cradle. The smaller the pipe diameter, the faster it will flow. I've found 4 in. works the best for the widest range of applications."

PVC guards on the legs of the cradle are necessary because the pigs love to use the wood as a scratching post. On the first version, pigs wore the wood down to half its width within a year.

While costs will vary depending on the price of the tank, Green estimates the total construction costs to be around \$200 to \$300 per feeder. Says Green, "We're probably using ten of these on the farm. That's \$2,000 in costs as compared to \$20,000 or \$40,000 for commercial outdoor feeders."

Purchase downloadable plans to make your own feeder here: <https://bit.ly/3j3KVwD>. These plans include a lumber and hardware



Rollers at the bottom of the tank move feed from the tote as pigs eat.

list and feed between 25 to 30 pigs each.

Contact: FARM SHOW Followup, Jordan Green, FarmBuilder (ph 540-333-1468, farmbuilders@gmail.com, www.farmbuilder.us).

## AC Collection Includes Rare Military Tractor

Over the past 50 years, the Pelton family of Delta, Ohio has built a large collection of Allis-Chalmers tractors and farm equipment. Included is a rare 1970 model Allis 220M military tractor built as part of the Landhandler Series. Even though it's painted military green rather than classic orange, it has many of the same features as its sibling 220 ag tractor.

The Pelton's 220M is powered by a D3500 426ci direct-injected turbo diesel, rated at 136 hp. in Nebraska tractor tests. That engine originally powered the D21 ag tractor introduced in 1963, which was replaced by the 220 in 1969. The military and ag tractors are built on the same frame with the same transmission.

Distinct features of the 220M include a

powerful 24-volt electrical system to deliver easy starting and operate several work lights. A special hydraulic system has four rear outlets above a massive I-beam drawbar with three stationary attachment brackets.

The instrument panel is rather spartan, without a tachometer and other gauges found on the ag tractor. Tie-down rings are located in various places on the frame. The 220M rides on standard ag ribbed front tires and industrial tread rear tires used on AC 645 wheel loaders.

The Peltons acquired the tractor in 2014 from a military sale. It only has 360 hrs. and was probably shipped to a Florida Air Force facility in 1970 as part of the U.S. Bare Base military construction equipment program. The tractors and other implements,



John Pelton says his tractor, which shows only 360 hours, was probably shipped to a Florida Air Force facility in 1970 as part of the U.S. Bare Base military construction equipment program.

including fork tine and backhoe attachments, snow blowers, crawlers and dozer blades along with scrapers, packers and dump trucks were to be flown on C-130 transport planes to remote and friendly locations around

the world. There they'd be used to build temporary airfields.

Contact: FARM SHOW Followup, John Pelton, Delta, Ohio.