

Biggest Grain Moving System We've Ever Seen

We talked to the manufacturer of this big grain moving system at the recent Nebraska Power Farming Show. The Swift "Gobbler" mounts on a Uni Harvester and is designed to unload big grain piles at high speed into semi trucks. It's used mostly by big grain elevators and terminals.

The "Gobbler" has its own self-contained hydraulic system that's belt-driven off the UniHarvester. It features a 12-ft. wide detachable auger header that rides on big steel caster wheels, and a 50-ft. long by 3-ft. wide high speed conveyor belt equipped with a hydraulic-controlled rotating chute.

All operations are hydraulically controlled from the Uni Harvester cab. The truck driver simply backs in under the conveyor and uses a CB radio to communicate with the UniHarvester operator.

The auger header rides on heavy duty caster wheels and delivers the grain to four 2-ft. wide, rubber-covered paddles at the center that rotate like a paddleboat. A 4-ft. long by 2 1/2-ft. wide accelerator located behind the header contains a second set of paddles and delivers grain onto the belt. A hydraulically-raised "fence" on front of the header is designed to protect aeration tubes inside the pile, and there's a clod buster behind the auger header.

"We have several of these units in use across the U.S.," says Doug Buchanan, Swift Mfg. Co., Clara City, Minn. "Some of the grain piles contain 2 million bu. or more. Sometimes if the elevator's wet bin can't keep up at harvest they'll stack the grain outside and later load it into semis and dry it again.

"The Gobbler can move 20,000 bu./hr. and load a 1,000-bu. semi truck in just over 3 min.



Swift "Gobbler" mounts on a Uni Harvester and is designed to load 20,000 bu. of grain per hour. It features a 12-ft. wide detachable auger header and a 50-ft. long by 3-ft. wide high speed conveyor belt.

It can move grain twice as fast as 2 wheel loaders but uses only half as much fuel and requires only one operator. The conveyor and

header auger bolt together and can be loaded on a double drop deck trailer for transport." Contact: FARM SHOW Followup, Swift

Mfg. Co., 8015 Hwy. 7 S.E., Clara City, Minn. 56222 (ph 800 354-2106; swiftdougb@hcinet.net; www.swiftmfg.com).

Pepper Spray Alarm Scares Off Home Invaders

Security systems don't always work that well to protect homes and workshops in the country. It's nearly impossible for police to get there before the burglars and your stuff are gone.

That's what inspired the "Burglar Bomb" pepper spray system. One whiff and the burglars are out the door trying to breathe—forgetting all about your valuables inside, says Jeff Fink, who didn't invent the concept, but worked with the inventor and took over the project to market it. He fine-tuned the aluminum canisters and how the pepper spray disperses in a fine atomization so it floats in the air.

"You want maximum hang time, and it remains effective for up to an hour," he says.

With non-flammable chemicals, even if the pepper spray discharges in a fire, it will not cause any concern to normally equipped firefighters. He adds that it's "green" because the gas typically dissipates within 4 hours with no cleanup necessary.

Burglar Bombs comes in three versions to fit customers' needs and budgets.

"The best seller is the AB-2000 for \$68," Fink says. It's a simple system. When someone hits the trip line, it triggers and discharge 4 oz. of pepper spray. A safety pin disables it when not in use.

For those who own a 12-volt alarm system, the Repulsar I (\$197) is a perfect upgrade. The ceiling-mounted aerosol device has a warning tone with adjustable time delay (up to 45 seconds) for the homeowner to turn off the security system. With an additional \$30 worth of parts, the Repulsar can be made to operate independently without an alarm system.

For larger areas (more than 2,400 sq. ft. of open space) or remote locations, the Repulsar



Ceiling-mounted aerosol device uses aluminum canisters to disperse pepper spray into the air.

IV (\$498) has four 6-oz. cans of pepper spray.

Fink's most advanced model is the Interceptor (\$595), powered by four C-batteries. It includes an entry and exit time delay and a built-in passive infrared detector. It can power any number of Repulsars as accessories.

Fink sells the aluminum aerosol canisters that he fills fresh with pepper spray for \$15 to \$17 each. They have a 3-year shelf life.

"Most of my customers are rural and suburban homeowners," Fink says. But he also sells to business owners including those who own gun shops and jewelry stores.

"Traditional security systems are dependent on human response," Fink says. "This alarm system takes care of intruders on its own."

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"Retro Rocket" aeration kit can be used in existing hopper bottom bins. It reduces grain drying time and increases fan efficiency by forcing air into center of bin.

Aeration Kit For Hopper Bottom Bins

Get better grain and pulse storage from existing hopper bottom bins with a retrofit aeration package. The Retro Rocket is a 2-person, do-it-yourself kit.

"Hopper bottom bins have been on the market for the past 20 to 25 years, but aeration units for them have only been around for 10 to 12 years," explains Imre Varro, Grain Guard. "Our Rocket Aeration System has to be installed in new bins. With the Retro Rocket, even older bins can be adapted for cooling and drying grain and pulses."

The aeration system fits smooth-walled or bolt-together hopper bottom bins. A 4-ft. unit is recommended for maximum structural capacity bins of 5,000 bu. A 6-ft. model is recommended for bins up to 7,000 bu. The natural-air, grain drying equipment company designed the Retro Rocket so component parts fold. This allows them to fit through the access door. They can fit through openings as small as 19-in. square, 22-in. diameter round, or minimum 18 1/2 in. by 16 in. oval openings. Removing 4 bolts allows the Retro Rocket to be broken into 3 parts that can be inserted through 16-in. diameter or 12-in. square holes.

"Once inside, just reinstall the bolts and unfold it into working position," says Varro. The 3-leg design resists side loads from uneven grain flow when unloading the bin. The system is double walled with interior and exterior surface areas providing more air to grain contact. The Rocket design reduces grain drying time and increases fan efficiency by forcing air into the center of the bin. Grain and pulses dry more uniformly.

"Hopper bottom bins were built for grain storage," says Varro. "The Retro Rocket makes them much more useful for storing other crops. We've sold it into applications for peas, canola, flax, mustard seed and in some instances grass seed."

Now in its second year of sales, the 4-ft. Retro Rocket is priced at \$2,400, and the 6-ft. kit is priced at \$2,900 (Canadian).

Check out a video of the Retro Rocket at FARMSHOW.COM.

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