

## Get The Lumps Out Of Fertilizer

The LumpBuster from Westcap Ag will make sure fertilizer spreads smoothly and evenly. The auger attachment fits under a fertilizer bin, breaking up clumps as you load up to head to the field.

“Farmers get their best prices for fertilizer in the off-season, but it can get lumpy as it picks up moisture during storage,” says Ed Peters, Westcap Ag. “Some fertilizer even arrives lumpy from the supplier. Put the LumpBuster under the fertilizer bin and the product will come through the auger pea-sized.”

The attachment is a steel box that fits inside the auger hopper. Fertilizer drops into the 15 by 18-in. mouth of the box, where it strikes a steel grid with 3 by 3-in. openings. Clumps that fall through the grid are broken up by 4 shafts with hardened steel studs spinning at high speed.

“The outside shafts are on larger sprockets compared to the inner shafts so they spin a

little slower,” says Peters. “The shaft speeds can be adjusted to match the auger for maximum flow.”

Peters suggests using the flow control from the bin’s sweep motor on the LumpBuster. If it is hooked directly to the tractor, he advises installing a flow control ahead of the LumpBuster to optimize flow.

The LumpBuster is manufactured at the company’s factory in Manitoba. It is available in a powder-coated mild steel for \$5,500 or a stainless steel version for \$6,500. One size fits 8, 10 and 12-in. augers with the addition of adapter plates.

“One LumpBuster will fit any of the 3 sizes a farmer may have,” says Peters.

Contact: FARM SHOW Followup, Westcap Ag, Box 1057, Portage La Prairie, Man. Canada R1N 1T3 (toll free 855 553-3711; sales@westcapag.com; www.westcapag.com).



**LumpBuster auger attachment fits inside the auger hopper under a fertilizer bin, breaking up lumps before you load up to head to the field.**

## Spray-On Repellant Keeps Mice Away

“Store It Safe” is a spray-on repellent designed to stop mice from getting into stored tractors, combines and trucks.

The non-drip coating is scented with natural essential oils. The company says it repels mice in two ways: the scent overwhelms mice and drives them away, and the oil coating is too slippery for them to travel across.

The lubricant comes in a large plastic container. A video on the website shows someone pouring the product into a handheld sprayer equipped with a wand. The idea is to spray anything a mouse could use to climb up into the tractor or combine such as wheel rims and tires, tie rods, axles, and jacks. Pay attention to any small holes in equipment such as cab corners.

Store It Safe is non-toxic so even the ground around tires can be sprayed. It’s sold as Mouse-Free in the U.S. at [www.mouse-free.com](http://www.mouse-free.com). A gallon jug sells for \$99.

Contact: FARM SHOW Followup, The



**Spray-On repellent is applied with a handheld sprayer.**

Healthy Homesteader, P.O. Box 683, Outlook, Sask. Canada S0L 2N0 (ph 306 229-6849; [www.thehealthyhomesteader.com](http://www.thehealthyhomesteader.com)).

## A Fingerprint Opens This Electronic Padlock

Canadian inventor David Tao often had problems remembering the combination to the padlock for his gym locker in college. One day it dawned on him that fingerprint technology, used in security systems and phones, might work on padlocks. With that idea, as the saying goes, the rest is history.

Tao collaborated with a designer and electronics engineer to develop Tapplock, the world’s first padlock that opens in less than one second when a fingerprint touches its tiny screen. Tao’s invention uses adaptive algorithm technology embedded in a state-of-the-art fingerprint sensor that’s accurate for up to 500 unique fingerprints. Lock owners can also use an app on their phone to track who opens their lock and when, or to unlock the device remotely. If those two methods fail to unlock the device, a backup Morse code method also unlocks it.

Tao says a Tapplock is really ideal to provide access to locked sheds, bins or buildings without having to worry about keys. Even if a fingerprint isn’t logged into the device, the owner can unlock it with his phone.

The Tapplock is crafted from Zamak 3 zinc alloy metal with a cut-resistant 7mm reinforced stainless steel shackle. It has a layered and reinforced body with anti-shim



**Padlock opens in less than one second when a fingerprint touches its tiny screen.**

and anti-pry technologies. The device is water-resistant when closed and fully functional between 14 and 140 degrees F. It uses one battery that lasts up to a year on a single two-hour charge. Users can check the remaining power with the Tapplock app.

Tapplock is available online from the company’s website in silver, gun metal and midnight black. One lock costs \$99 and the company offers two for \$165. Tapplock was featured on Dragon’s Den, Canada’s version of Shark Tank.

Contact: FARM SHOW Followup, Tapplock, 121 Richmond St. W., Toronto, Ontario Canada ([www.tapplock.com](http://www.tapplock.com)).



**Mud flaps attach to a piece of square tubing that matches the width of Swensen’s pickup, with a hitch welded to the center of tubing.**

## Hitch-Mounted Rock Guard

Gary Swensen needed a rock guard for his pickup when pulling his car trailer.

“The rock guards I looked at on the market sold for \$150 to \$300. I made mine for only about \$50 which was the cost for a receiver hitch, a pair of mud flaps, and nuts and bolts,” says Swensen.

He welded a short length of square tubing vertically onto his truck’s existing receiver hitch. The mud flaps attach to a piece of square tubing that matches the width of his pickup, with a receiver hitch welded to the center of it. The hitch simply fits over the top of the tubing on his truck’s hitch.

“I just use the one hitch pin to put it on or take it off,” notes Swensen.



**Swensen welded a short length of vertical tubing to his truck’s existing receiver hitch.**

Contact: FARM SHOW Followup, Gary Swensen, 1408 Sunrise Drive, Yankton, S. Dak. 57078 (ph 605 660-3489; [g\\_swensen@msn.com](mailto:g_swensen@msn.com)).



**A 4-digit PIN number unlocks power to your fuel pump. Text alerts are sent to mobile phone.**

## Push Button Lock For Fuel Tanks

Locking and unlocking fuel tanks every time you fill up can be irritating and time consuming.

Fuel Lock operates on 120-volt electricity and comes with a keypad entry system that lets you enter a 4-digit PIN number to unlock power to your fuel pump. After you’ve finished fueling, the fuel pump is automatically locked based on a time increment that you choose, which can be

anywhere from 5 to 60 min.

A mobile app keeps track of fills and updates the owner in real-time with email and text alerts.

Contact: FARM SHOW Followup, Intragrain Technologies, Inc., 118 Husum Road, RM Of Sherwood, Sask. Canada S4K 0A4 (ph 306 570-7979; [www.intragrain.com](http://www.intragrain.com) or [www.fuellock.ca](http://www.fuellock.ca)).