

## Cornhead Chainrolls Cut And Size Stalks

As today's corn farmers raise planting populations and produce more crop residue per acre, new ideas surface each year to improve harvest management. At the 2015 Farm Progress Show, 360 Yield Center, an Illinois company, introduced new cornhead chainrolls that cut and size stalks as they're pulled through the rollers.

The company says this design of small interacting teeth goes beyond the knife rolls and modified snapping rolls that are currently on the market. The stalks are precisely cut and the pieces are crimped and scored to expose the interior microbes, allowing faster decomposition. Remaining longer residue sections are connected like a small chain so there aren't clusters of small, confetti-like pieces in a field. The longer pieces break down well and still provide excellent soil holding action to reduce wind erosion.

Each pair of 360 Chainroll units work

together for exact and specific stalk laceration. The rolls have a combination of claw-like cutting and chaining flutes that create incisions in the stalks as they move through the rollers. The interaction and rotation of the rollers create the chain-like residue pieces.

The goal in designing the rollers was to create a better environment for soil microbes to break down stalks, which leads to improved soil health and better nutrient availability for ensuing crops. The patented chainrolls are made of high strength wear resistant steel. Retrofits are currently available for Deere 40, 90 and 600 series corn heads. Chainrolls for other brands will be available in 2016.

360 Yield Center says its Chainrolls are an excellent way to manage residue without going to the expense of a chopping corn head. They work well in all conditions and don't require the maintenance or the power of a chopping head.



**Cornhead chainrolls precisely cut and score stalks as they're pulled through the rollers, resulting in faster decomposition.**

Contact: FARM SHOW Followup, 360 Morton, Ill. 61550 (ph 309 263-4360; Yield Center, 300 West Queenwood Road, www.360yieldcenter.com).

## Utility Vehicle Grain Feeder

"Our new grain feeder is specially designed for utility vehicles. It holds the equivalent of up to 29 5-gal. pails of feed that you won't have to carry by hand out to your pasture or corral," says Randall Reimer, Reimer Welding & Mfg., Cartwright, Manitoba.

The company offers several different designs of the feeder for use on everything from pickups to small tractors and ATV's (Vol. 36, No. 3). The inside of the new tank for UTV's is coated with a high quality, 2-part epoxy paint that stands up to feeds or supplements with a high salt or mineral content.

"It's built strong and weighs only 180 lbs. The feeder's 4-in. dia. auger is mounted on bearings for smooth, quiet operation," says Reimer. "The unit's 12-volt electric auger can be remotely-controlled from the cab. The tank's 45-degree bottom slope ensures easy

cleanout."

According to Reimer, "An amazing number of ranchers and farmers still use 5-gal. buckets to take feed out to their animals. Now they can put our feeder on their UTV and go to the back country, or use it in narrow corrals during winter."

A trailer is also available for the feeder. "The trailer is really handy for anyone who wants to use a 4-wheel ATV without a box. Some UTV owners even prefer to tow the feeder on a trailer because it's easier to hook up to a trailer than to load the tank in back of their UTV."

Sells for \$2,195 (U.S. dollars) plus S&H.

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**Utility vehicle-mounted grain feeder holds the equivalent of 29 5-gal. pails of feed. Unit's 12-volt electric auger can be remotely-controlled from the cab.**

## New Rocket Stove Takes Wood Heat To New Level

Rocket heater stoves have been around for a long time, but Sky Huddleston and his father, Phillip, have designed and manufactured the first stove that meets UL standards. The Liberator rocket heater installs like a conventional wood stove, but uses less fuel.

"We set out to fill a void to make a rocket heater that is UL-rated and uses sticks and small fuel sources to heat houses very inexpensively," says Sky. While many rocket heaters are mass heaters enclosed in concrete or stone, the Missouri entrepreneurs wanted something simpler for customers to install.

With a sideways burn, fuel is fed from the top, and the stove reaches 600 degrees in less than 5 minutes. By using a lot of air, rocket heaters burn fast to efficiently use all the fuel's volatile compounds resulting in a low exhaust temperature (less than 300 degrees) and very little smoke.

The 165-lb., 3-ft. tall steel stove has cooling fins to radiate heat. While the stove requires refueling every hour or so, the Huddlestons are working on a pellet hopper for fuel pellets. One bag of pellets lasts about 8 hrs. They are also working on an outside intake air adapter to further increase the stove's efficiency.

The Huddlestons manufacture the stoves themselves with U.S.-made A36 hot-rolled



**Liberator rocket heater installs like a conventional wood stove, but uses less fuel.**

steel. The current price is \$1,500, but they hope to reduce the price as production becomes more efficient.

Videos on the Liberator website show how the heater works.

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**Quick-Shot holster supports the shotgun in a natural carrying position. It comes with a belt or slips onto your existing belt.**



## Shotgun Holster Reduces Fatigue, Makes Hunt Safer

Take the weight off your arms and make hunting more enjoyable with a Quick-Shot™ Shotgun & Rifle holster. It makes hunting safer, too, says Steven Kawamoto, inventor of the holster.

The first one he made was a two-piece leather design that showcased Kawamoto's father-working skills. He made it for his father for a five-day pheasant hunt.

"He wanted something to support his shotgun in a natural carrying position; he just didn't want all the weight on his arms," Kawamoto says. "He got a few laughs (from fellow hunters) initially, but by the second day they weren't laughing, and then they were asking to try it out."

About 30 prototypes later, he started selling Quick-Shot holsters through the family's company, Peregrine Field Gear, an Austin,

Texas, company.

The holster comes with a belt or slips onto any belt, and has features that make it work really well for nearly all shooters.

"The wedge shape is a key factor," Kawamoto says, "because it allows the holster to be moved right, left, center – anywhere – on the belt and still be comfortable to hold."

The Quick-Shot holster fits shotguns and rifles with butts up to 5 3/8-in., comes with a lifetime warranty, and retails for \$35 (black synthetic), \$40 (camo synthetic) and \$130 (U.S. handcrafted leather).

Contact: FARM SHOW Followup, Peregrine Field Gear, P.O. Box 340908, Austin, Texas 78734 (ph 800 595-3850; www.quick-shot.com; info@peregrinefieldgear.com).