

Add-Ons For Deere Combines Stop Grain Loss

Because of grain loss in Deere STS combines in high moisture corn and green stem beans, CM Welding has come out with a new version of "The Disrupter" to fit Deere grates. The Disrupter has been available for Case IH combines for years.

The Deere Disrupter kit consists of 14 disrupter lug spikes installed on the separation section of the rotor. Crop material being propelled rearward by the rotor are pulverized by the lugs as it passes through.

To fit the Deere STS machines, Estes redesigned his Disrupter lugs, previously used in more than 20,000 Case IH rotors. The new design was used in Deere STS rotors for the first time this fall. Estes has now fine-tuned the lugs to be even more effective at breaking up and separating out corn and beans.

"One user last fall with 300 bu. corn said the Disrupter cut grain loss to practically zero," he says.

Estes adds that the other reason for rotor loss with STS rotors is overloading during separation due to the large quantity of material that has to be processed with high-yielding varieties.



Disrupter lugs bolt to grates, (left). The lugs break up crop material in corn and beans. The new concave, (right), has 1/2-in. square keys instead of round bars, with 1 1/2 in. spacing between them.



"The problem with the standard round bar concave in the Deere STS rotor is that there isn't enough space between the round bars to let grain out," says Estes. "We have designed a new grate that has 1/2-in. square keys installed instead of the round bars, with a 1 1/2-in. space between them for 68 percent greater openings."

With his replacement for the rear concave, the grain begins separating sooner, reducing the load on the separation section. Estes says the replacement concave has been designed for all STS applications.

Estes has priced the new concave at \$879. The 2011 Disrupter set for Deere

STS combines sells for \$417. Estes is offering a combination price of \$1,235.

Estes notes that he has also developed a patent pending new "restricted flow progressively open round bar concave" that will be featured in a future issue of FARM SHOW.

Contact: FARM SHOW Followup, CM Welding Inc., 4496 N. County Rd. 0 E-W, Frankfort, Ind. 46041 (ph 765 258-4024; don@cmweldinginc.com; www.cmweldinginc.com).

Reader Inquiry No. 02

The Original "Disrupter"

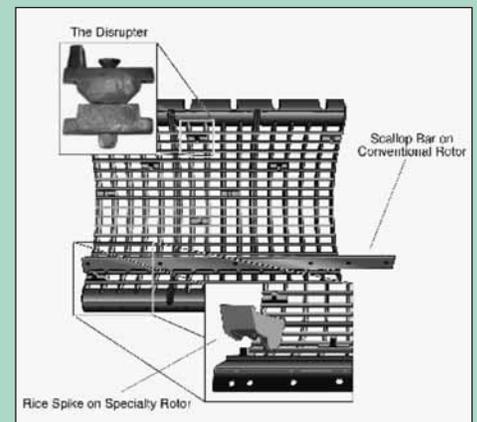
The "Original Estes Disrupter" has been approved for all Case I-H combines for 10 years. It fits all Case-IH Axial Flow combines. Benefits of the Disrupter include:

- Stops rotor roping of green stem soybeans in both conventional & specialty rotors.
- Stops rotor rumbling in all crops with heavy straw.
- Stops rotor loss in corn due to whole shucks carrying kernels out in both conventional and especially in specialty rotors because they are more aggressive.
- Helps spreaders spread more evenly.
- No disking field for anhydrous application.
- Cuts wheat straw for easy spreading when double cropping.

- Cuts and crushes rice straw for faster decaying and quicker field return.
- Improves straw chopper efficiency because the pieces are smaller upon entry.
- Power requirements do not change with the Disrupter and some cases have reported power increase (less constipation in the rotor).
- Improves crop flow in edible beans and black-eyed peas (install only 1/2 set).

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Reader Inquiry No. 03



Disrupter improves crop flow and reduces grain loss in crops that are tough to thresh.

Giant Drainage Ditch Plow

V-Wing is a heavy-duty ditching plow invented by a 29-year-old farmer. It makes 32-ft. wide drainage ditches in a single pass, eliminating the need for multiple passes required by other ditchers.

The 12-ft., V-blade "nose" is fixed in place while the 10-ft. wings lift and fold back for easy transport. The wings also have a flatter pitch than the nose blade, causing a rolling action, breaking up clay and other heavy soils that might

otherwise clod or cake. The rugged frame and heavy-duty hydraulics sweep rocks and dirt to either side. A second pass can feather the sides or scatter dirt even more, if needed. Only recently patented, the price is yet to be determined.

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Reader Inquiry No. 04



Heavy duty plow makes 32-ft. wide drainage ditches in a single pass. To see video on You-Tube search: V-wing ditcher, bigger, badder, faster!