

REDEKOP[™] Seed Control Unit[™] (SCU)

Weed Control Starts at Harvest.

Reduce the spread of weed seeds in the field during harvest. Redekop's Seed Control Unit (SCU) ensures weed and other unwanted seeds are destroyed before they leave the combine. This will eliminate extra tillage and chemicals while having a long-term impact on the field's weed bank.

The SCU can be retrofitted to become a fully integrated part of the combine. It destroys up to 98% of harvested weed seeds that enter the combine using an internal mill. After destroying the seeds, it disperses them into the straw flow. With the addition of the Redekop chopper, the crop residue is distributed evenly over



the width of the combine header therefore contributing to better field agronomics.

How does it work?

Two vertical axis rotors receive small pieces of straw and a variety of seeds from the combine. Operating at 2850 rpm, the rotors move the seeds at up to 400km/hr through a series of obstacles.

After they have been impacted several times, the seeds become sterile. They exit the mill and join the straw flow to be spread over the entire cutting surface.



SCU Disengaged SCU Engaged

SEE IMMEDIATE RESULTS! Aerial field views 3 weeks post-harvest.

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INTEGRATED COMPONENTS. The SCU moves on the straw chopper slide rails enabling easy access to the combine's chaffer and rear internals. Combining the SCU chaff stream with the MAV straw stream results in improved residue spread and distribution.

PROPRIETARY MILL DESIGN. The mill is designed to increase the devitalization of weed seeds while reducing the power requirements in comparison to competitive systems. Two rotary sections of columns and three stationary sections of columns maximize seed contact. The mills are reversible and tungsten carbide coated to ensure long life and lower operating costs.





SIMPLE TO ENGAGE. The system can be easily engaged or disengaged without special tools or removing the device. The SCU is designed to be quickly shut off if the operator enters a field where they do not want to operate the mill. Competitive systems must operate the mill continuously, therefore wasting 35HP running dry.

MECHANICAL DRIVE. Utilizing a proven and reliable mechanical drive system directly incorporated in the combine's drive line.





INTEGRATED MONITORING. The system can be operated through a stand-alone controller or can be integrated into the combine's virtual terminal. The monitor is also equipped to manage residue spread.

RETROFIT COMPATIBILTY. The SCU can be retrofitted to a variety of combines including Case IH, New Holland, Claas and John Deere.