

How well do seed impact mills kill weed seeds?

Two Seed Impact Mills Tested: Redekop SCU iHSD (integrated Harrington Seed Destructor)

UNDER OPTIMAL HARVEST CONDITIONS

- * Both the Redekop SCU and iHSD killed >98% of 10 weed seeds tested in soybean chaff.
- * Both the Redekop SCU and iHSD killed between 91% and 96% of ryegrass species in wheat chaff.
- * For all other wheat weed species, both units killed >99% of seeds.

UNDER ADVERSE HARVEST CONDITIONS

Soybean

- * Though reduced in some cases, weed seed kill rates remained **above 98.5%** at 28% chaff moisture.
- * Higher chaff flow rates also reduced seed kill rates, but they remained **above 98.5%** even at 2X chaff flow.

Wheat

- * Chaff moisture and flow rate ONLY affected Italian ryegrass seed kill.
- * At 28% chaff moisture, ryegrass seed kill rates fell 11% to 17% for the Redekop SCU & iHSD, respectively.
- * At 2X chaff flow, ryegrass seed kill rates fell 5.1% and 14% for the Redekop SCU & iHSD, respectively.



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SOYBEANS

WHEAT

Barnuardgrass Common ragweed Giant ragweed Giant foxtail Johnsongrass Morningglory spp. Palmer amaranth Redroot pigweed Velvetleaf Waterhemp

Annual ruegrass Canola Cereal rue Hairy vetch Italian ryegrass Wild mustard

