EFFICACY WITH DIFFERENT CROP PRODUCTION SYSTEMS

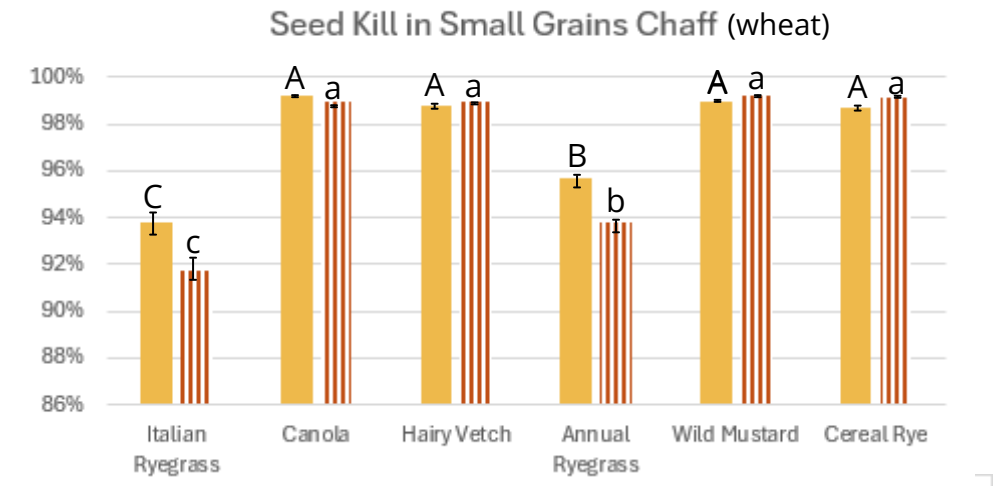
REDEKOP™

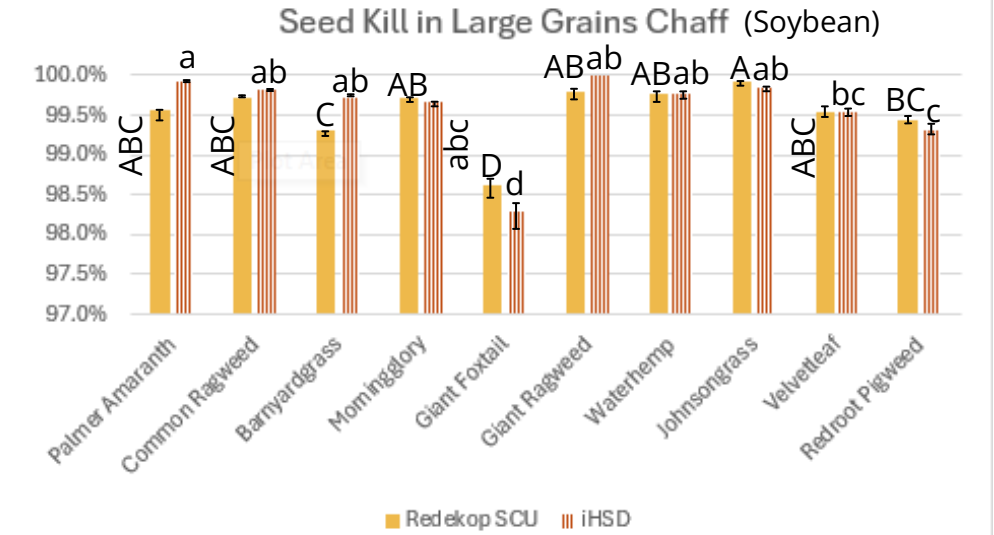
DOES THE EFFICACY PERFORMANCE OF HWSC MILLS CHANGE WHEN USED IN DIFFERENT CROP PRODUCTION SYSTEMS WITH THE WEEDS TYPICALLY FOUND IN THAT SYSTEM?

Newly released research by Virginia Tech compares the efficacy performance of the **Redekop SCU** in both soybean and wheat chaff. Weeds typically found in each crop production system were methodically tested and results grown out in a controlled environment.

TESTING PROCESS

Chaff was spread out evenly on a belt conveyor and weed seeds were added to the middle 80% of the chaff row. The mills were brought up to the manufacturers recommended speed, and once stable the conveyor delivered the wheat or soybean chaff into the mills at a typical harvest rate of 1.5 kg/s.The chaff was caught as it exited the mill using a 500-micro mesh bag. The chaff and weed seeds collected were mixed 1:1 with potting mix and remained in the green house for 12 weeks. A minimum of 40% of each test was grown out to ensure an accurate seed count. All tests were triple replicated.





RESULTS

Mill Efficacy does not significantly change with weed seed type in the large grains production system, whereas there is a significant reduction in the devitalization of grass seeds in the small grains environment at typical harvest rates with all HWSC mills, however efficacy rates greater than 90% are exemplary, and will reduce seed banks quickly.