

# THE SCU WORKS BUT DOES IT PAY?

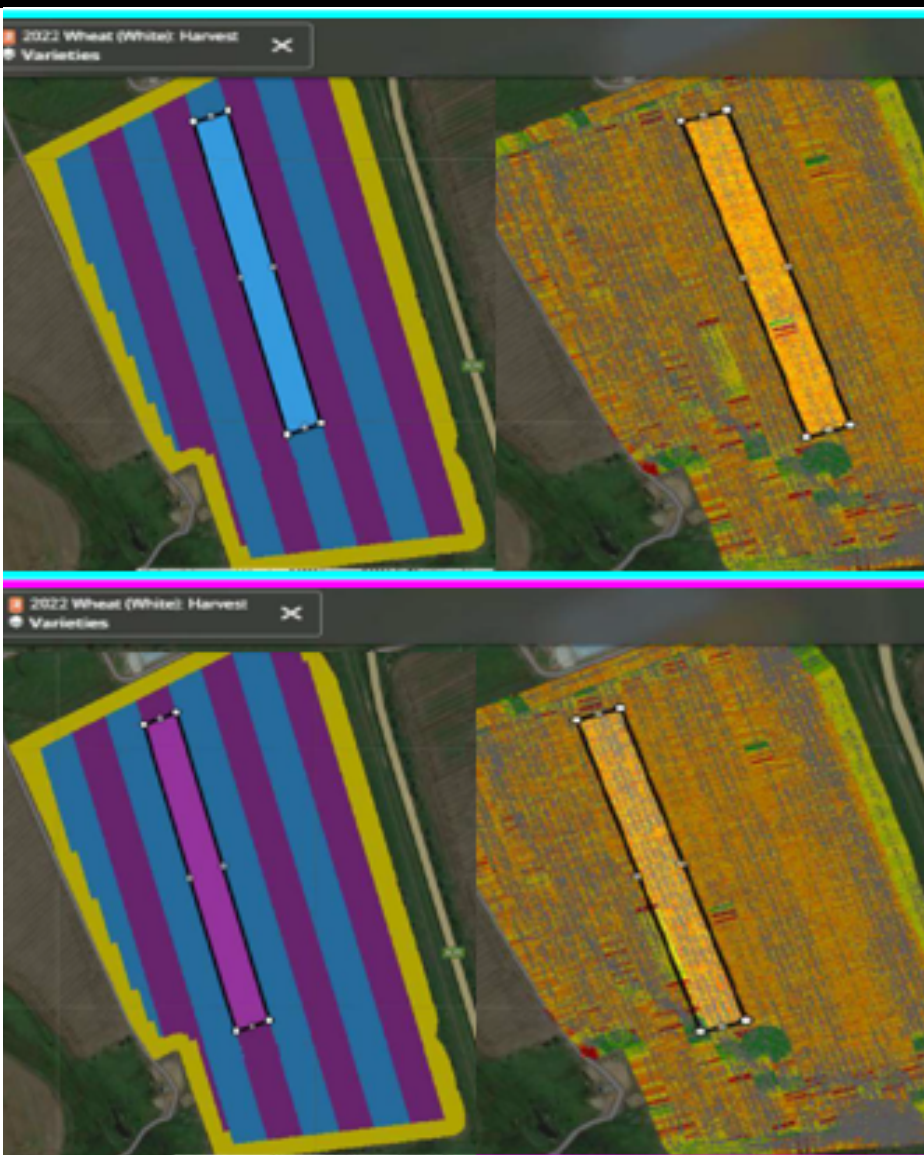
**REDEKOP™**

No matter how much small-plot research you do, **it's not the same as a farmer using it on their farm for multiple years.** Redekop has focused on working with local farmers to set up field scale trials to evaluate the performance and return on investment of the Redekop SCU. One such farm, located in NSW Australia, is attempting to answer the question - **Does the Redekop SCU and the adoption of HWSC provide a return on investment in 3 years?**

## TESTING PROCESS

The program included strips through the field where the SCU was used (purple) vs strips where the field was conventionally harvested (blue) without the SCU activated.

Post harvest, the first burn off spray in the summer spray program was conducted with a precision sprayer capable of spraying the green weeds and not spraying the ground that did not have vegetation. The targeted spray rate included a chemical mix that had a total cost of \$13.64/ha. The below map of spray application was recorded by the precision sprayer



## RESULTS

Preliminary results of the first year of the 3 yr study were determined utilizing the precision sprayer software, and validated with physical counts. The benefits of the SCU is best shown by comparison of the most similar strips in the middle of the field.

Visually, there is more grey area where the sprayer did not put down chemical in the SCU On (purple) strip. The numerical results of the analysis include the following SCU benefits:

- 24% reduction in area sprayed
- 22% reduction in chemical used
- 75% reduction in weeds & volunteers
- 12% increased chemical efficacy
- 33% reduced weed density at harvest
- 55% reduction in the resistant ryegrass populations after 1st year.

FINAL TESTING IN PROGRESS. STAY TUNED FOR FURTHER RESULTS.