

# ROOTERRA TRIAL ON RUSSET BURBANK POTATOES

## SUMMARY

Nutrient TECH research & development contracted a replicated trial near Burley, Idaho with Russet Burbank potatoes. Treatments compared foliar spray application rates and timings for yield increases.

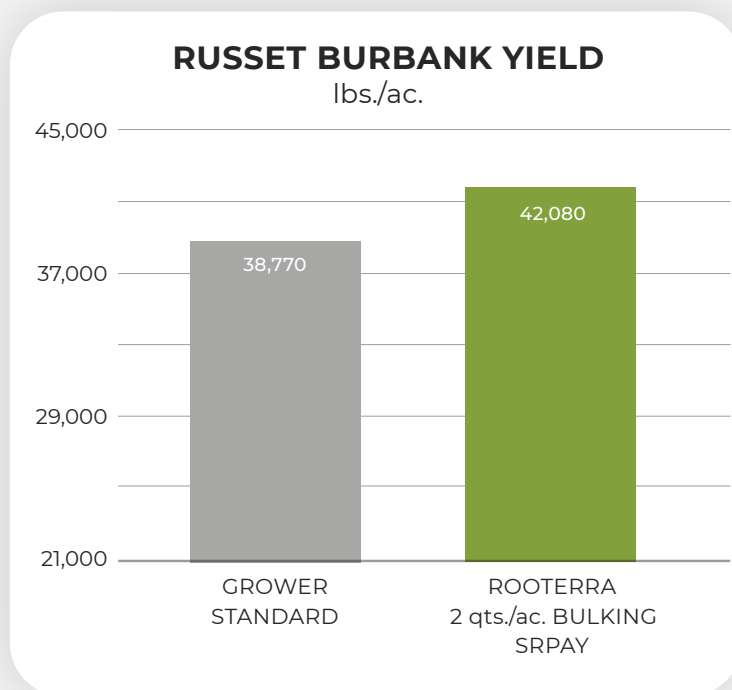
**Key Takeaway:** Foliar application of ROOTERRA increased potato yields without a loss of tuber size by increasing size of smaller potatoes before harvest.

## METHODS

A comparison of 1 or 2 applications of ROOTERRA at 2 or 4 quarts per acre versus grower standard practices were made at hooking and later timings thereafter. The specific treatment timings were chosen by the researcher after years of experimental experience. ROOTERRA was applied with surfactant in a 30 gpa final volume. Plot areas were hand harvested and separated into broad size categories. Plot weights were analyzed statistically and results from the most cost-effective treatment combination is reported.

## RESULTS

In the graph below, it can be observed that 1 application of 1/2 gallon per acre of ROOTERRA during bulking increased average potato yields by 3300 pounds per acre. Neither spraying higher rates nor other application timings increased economic benefits substantially under these experimental conditions. ROOTERRA positively influenced crop growth processes resulting in a robust crop response which contributed to increased productivity.



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