

ROOTERRA TRIAL ON YELLOW ONIONS

SUMMARY

Nutrient TECH research & development contracted 2 years of replicated trials near Parma, Idaho with yellow onions. Treatments compared foliar spray and fertigation applications of ROOTERRA at 2-4 quarts per acre and varied timings for yield increases.

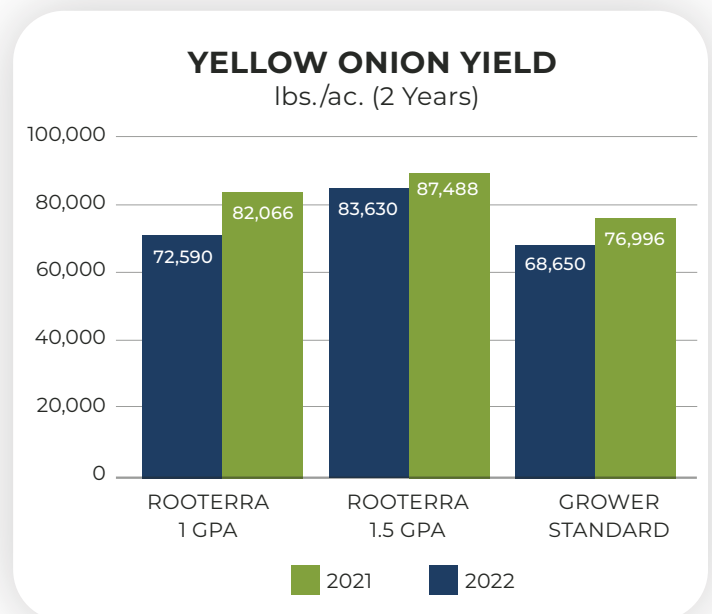
Key Takeaway: Applications of ROOTERRA by spray or fertigation methods provided substantial increases in onion yields without a loss of bulb size.

METHODS

A comparison of 1 or 2 applications of ROOTERRA at 2 or 4 quarts per acre versus grower standard practices were made at 5 leaf and later timings thereafter. ROOTERRA was applied as foliar with surfactant or injected into drip irrigation. Plot areas were hand harvested and separated into 3 size categories. Plot weights were analyzed statistically and results from the most cost-effective treatment combinations are reported.

RESULTS

In the graph below, it can be observed that application of 1 gallon per acre of ROOTERRA in single or split applications produces excellent yield response, averaging 42-71 cwt/acre. An added ½ gallon further increased crop yields with no loss of bulb size. ROOTERRA performs consistently well by spray application or fertigation. ROOTERRA positively influenced crop growth processes resulting in a robust crop response which contributed to increased productivity.



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