

MARKET ONION YIELD INCREASE DEMONSTRATION



ROOTERRA™

A 5 acre demonstration plot of yield benefits of ROOTERRA on market onions was conducted in the Imperial Valley in a commercial onion field.

ROOTERRA was fertigated twice. Use rate was 2 qts/acre each time. The first application was at 5-6 leaves growth stage, second application was about 2 weeks after visible initiation of bulbing.

Yields from 5 acres of treated and 3 acres of grower standard portions of the field were determined by weight of commercially harvested bins of onions.

Results indicate a 62 cwt per acre yield increase from ROOTERRA use. At the recent price of \$7/cwt, this created a substantial increase in income of \$434/acre. Although no measurements of bulb size profiles were made, the photos from the field demonstrate an increase in size. Trial evaluations show much more consistent size with the ROTERRA applications.



This yield improvement is attributed to the only difference in treatment between the 2 portions of the field; ROOTERRA. The crop response shows the robust impact which ROOTERRA has on plant growth. There is considerable flexibility in effective application method and timing. 2 previous years of excellent small plot research results which averaged 42-71 cwt/acre provided recommended application timings of 4-5 leaves and 2-5 weeks after bulbing begins by either spray application or drip fertigation. The test results show sprinkler fertigation to be very effective also.

ONION YIELD INCREASE FROM ROOTERRA

Applied 2 times (cwt/ac)

