DUO MAXX ON BANDED FERTILIZER

Томато

OBJECTIVE

To assess the yield response of adding Duo Maxx fertilizer additive to banded fertilizer placed in the bed at planting for field tomato.

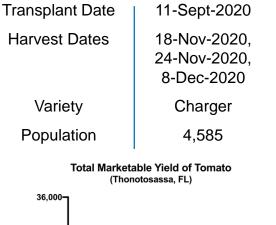
STUDY INFORMATION

SITE LOCATION Thonotosassa, FL

RESEARCHER

Florida Ag Research Contract Research Organization

KEY FINDINGS

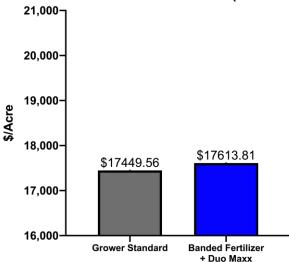




Cost of Duo Maxx to treat 95 lbs = \$3.56/A Marketable Tomatoes priced at \$14/box for 25 lbs

34,000 -bs/Acre 32,000 + 293.3 30,000 28,000 Banded Fertilizer + Duo Maxx Grower Standard

Gross Revenue Generated from Marketable Tomato Yield (\$14/box)



APPLICATION

Treatment	Application Rate
Grower Standard Dry Blend	21-0-21 (95 lbs/ac banded at planting)
Grower Standard Dry Blend + Duo Maxx	21-0-21 (95 lbs/ac banded at planting) + 2 Qt/Ton



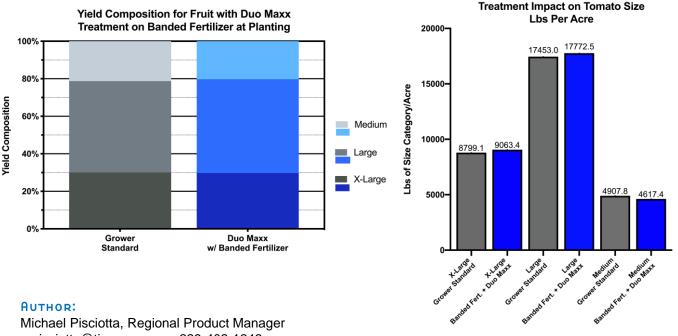
MATERIALS AND METHODS

Trial ID: RT-20-SE-TOM-DM

This study was conducted in a research farm field with conventional growing practices on a soil comprised of 92.8% sand, 4.4% silt and 2.8% clay. Fertilizer practices followed University of Florida guidelines for up-front N & K (21-0-21, 95 lbs/a) banded in close proximity to the transplant zone. The design of the study was randomized complete block with 7 replications for the treatment. Plots consisted of four 25' x 6" long with plants spaced 19" apart to simulate an acre population of 4,585 plants. 'Charger' variety tomato was used for the trial and transplanted on September 11. A consistent irrigation/fertigation strategy was followed weekly with injections of 4-2-9 liquid fertilizer until harvest with a total volume of 84.37 gallons/acre of liquid fertilizer used through the growing season. All IPM measures were uniformly taken across the control and the treatment plots. For the treatment, Duo Maxx was coated on the banded fertilizer used at planting at a rate of 2 qts/ton of dry fertilizer. Plots were allowed to mature and harvested on three separate dates (November 18, November 24, December 8). Total weight, count and sizing category of tomatoes from each replicate was tallied to calculate yield on a per acre basis and size distribution.

RESULTS AND CONCLUSIONS

Banded fertilizer treated with Duo Maxx improved marketable tomato yield over the same rate of banded fertilizer without the Duo Maxx additive by 293.3 lbs/acre. Return on investment was calculated at retail cost of Duo Maxx of \$100/gallon and marketable tomato boxes of 25-lbs at \$14/box. This resulted in an ROI from treating the banded fertilizer with Duo Maxx of \$160.69/acre.



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