

# 'Seventy-One' Tomatoes

2015 Research Summary

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## Trial Summary

**Researched By:** Freedom Ag Research

**Location:** Riverview, Florida

**Growing Season:** 2015

**Objective:** To evaluate the benefit of Nutricor<sup>®</sup> on the yield and health of 'Seventy-One' tomatoes.

## Methodology

'Seventy-one' tomato plants were transplanted on March 5 and fertilization was applied through a drip irrigation system. Total marketable fruit weight was evaluated from pickings at 10 and 12 weeks after transplant (WAT). The experimental design used was a randomized complete block with four replications.

## Treatment Applications

The Grower Standard Practice (GSP) for fertilizing tomatoes in Florida is the following:

Drip-fertilization program:

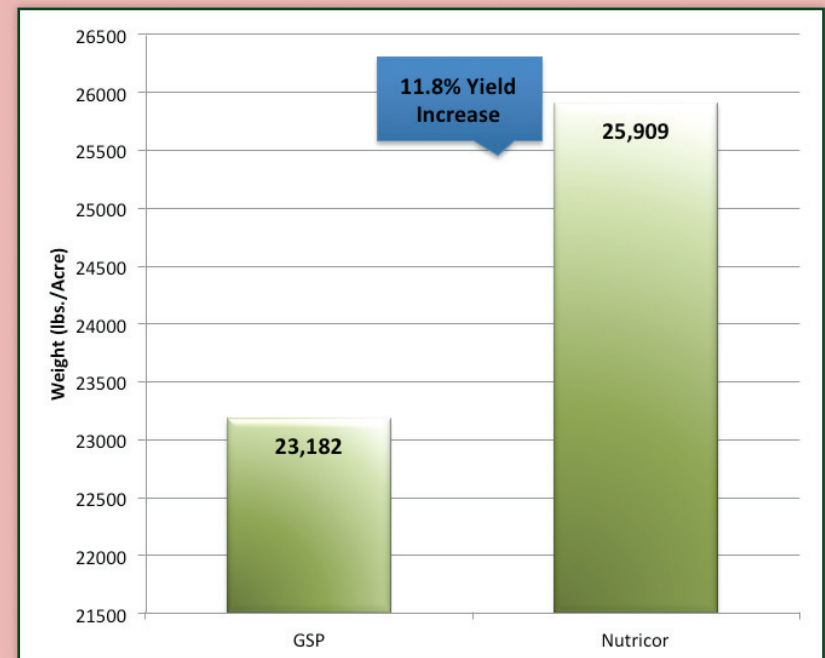
1. 70 pounds per acre (lbs./A) P2O5
2. 275 lbs./A Potash
3. 275 lbs./A Nitrogen

The following treatments were applied to tomatoes:

1. GSP
2. Nutricor with Reduced GSP -- Nutricor was applied at 3 gallons per acre (GPA) as pre-plant spray at transplant, 2 GPA drip-irrigation at 2 weeks after treatment (WAT), 2 GPA at 4 WAT and 1 GPA at 6 WAT. Nutricor was also supplied in drip-irrigation at 0.25 GPA per week (weeks 1, 3, 5, 7, 8, 9). The GSP was reduced to 75%.

## Results and Conclusions

The marketable yield of tomatoes fertilized with Nutricor was 25,909 lbs./A, which translates to an 11.8% increase over the GSP. This study shows that **a Nutricor fertilization program can increase tomato yields and reduce the amount of base fertilizer.**



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