

Trial Results

3/17/2021

Improve Watermelon Yield with Timac Agro Bio-Nutritional Program



Crop:
Watermelon

Researcher:
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Site Location:
Lancaster County, PA

OBJECTIVE

To evaluate the impact of a Timac Agro USA bio-nutritional program on yield and quality factors for watermelons in Pennsylvania.

KEY FINDINGS

Increased # of Harvestable Melons/Acre (2200 plants) Over Grower Standard by

15.9%

Increased Large Sized Melons over Grower Standard by

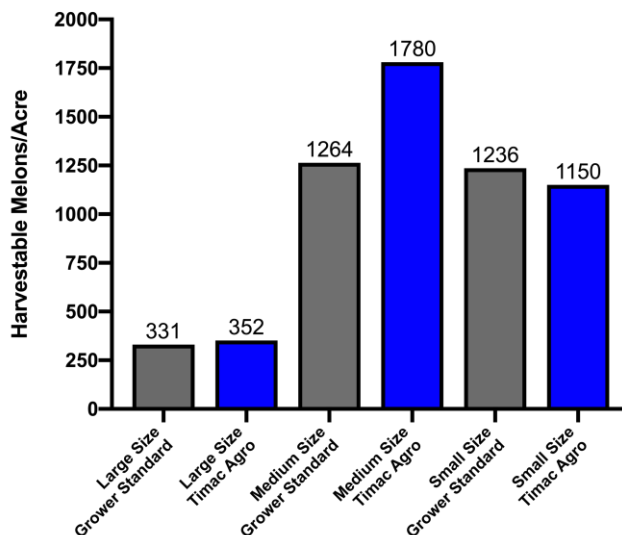
6.3%

Increased Medium Sized Melons over Grower Standard by

40.8%

ROI: \$791.14/ac

Total Harvestable Watermelons by Size Category (Lancaster County, PA)



Graph: The Gross Revenue per melon was calculated at \$3.25 for large, \$2.25 for medium, and \$1.25 for small. Return on treatment was calculated at retail cost for the following Timac Agro products: Fertiactyl GZ at \$51.25/gal, Fertiactyl Kalibor at \$60.95/gal, KSC V at \$2.54/lb, KSC MicroMix at \$5.81/lbs, and Fertileader Kaleo at \$53.50. Total cost of program was \$330.61/acre. This does not account for cost of grower standard program that Timac Agro program replaced. Bedded fertilizer program was same for both treatments.

APPLICATION

Trial ID: DT-15-NE-WAT-K5-KMIX-GZ-FAKA-FLKA

| Product | Rate | Timing |
|--------------------------|-------------|--|
| Grower Standard | | |
| Fertiactyl GZ | 2 Qt/A | Injected – 2X, Transplant & 14 days later |
| Fertiactyl Kalibor | 1 Qt/A | Injected – 3X, Rotated with KSC V application |
| KSC V (8-16-42 + Micros) | 12-22 Lbs/A | Injected - 4X, following Fertiactyl GZ application |
| KSC MicroMix | 2-3 Lbs/A | Injected – 2X with KSC V |
| Fertileader Kaleo | 1 Qt/A | Foliar - 2X, 14 days & 7 days before first harvest |

For more information on this trial, please contact aduffy@timacusa.com