



**HUMA
GRO**



**MICRO CARBON
TECHNOLOGY**
Delivering Nature's Science™

Nutrient Trials

Spring & Fall Cantaloupes

BIO HUMA NETICS, Inc.®

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Gilbert, AZ 85233

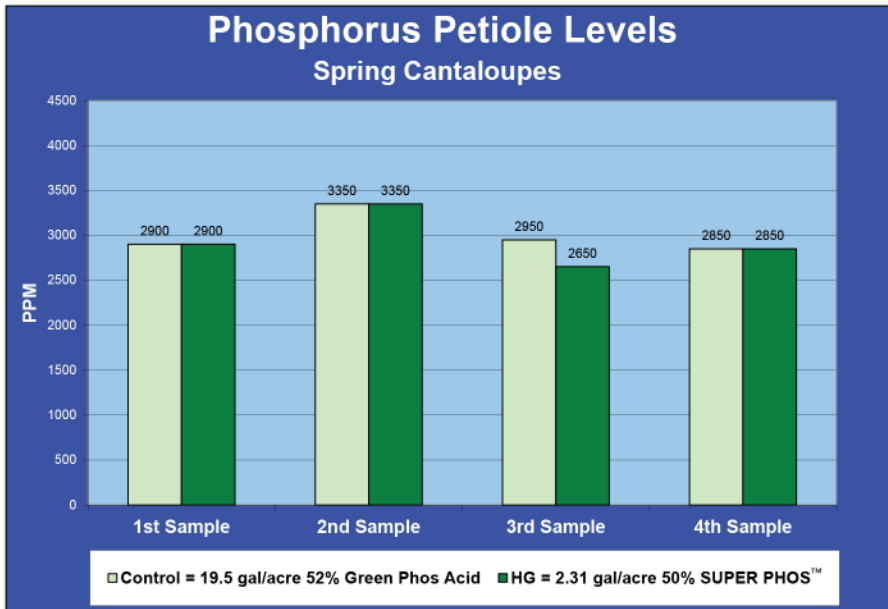
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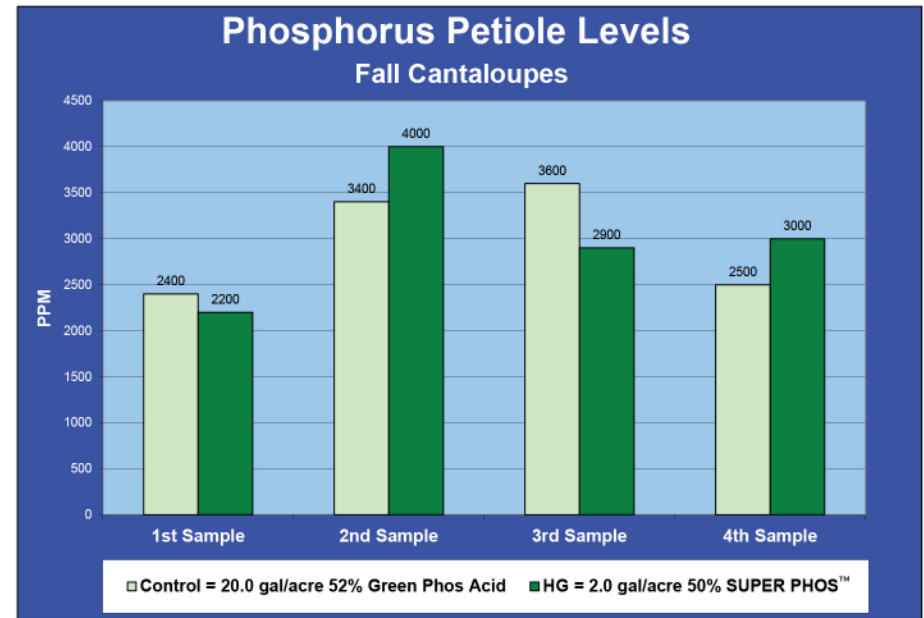
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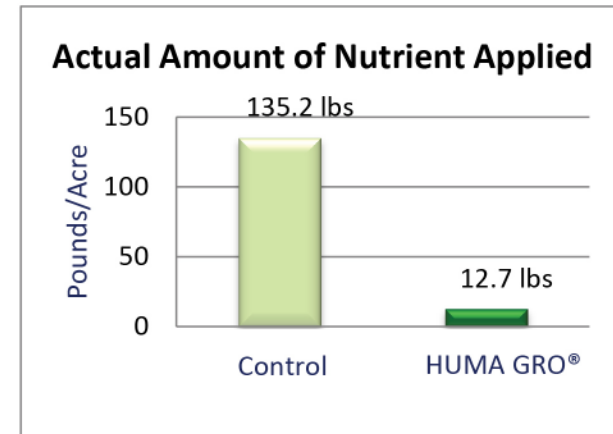
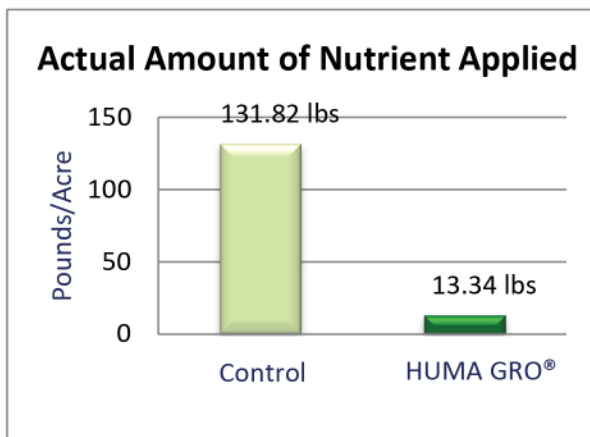
HUMA GRO®'s Higher Efficiency with MCT = Less Product / Easier Handling, Lower Costs & Better Results!



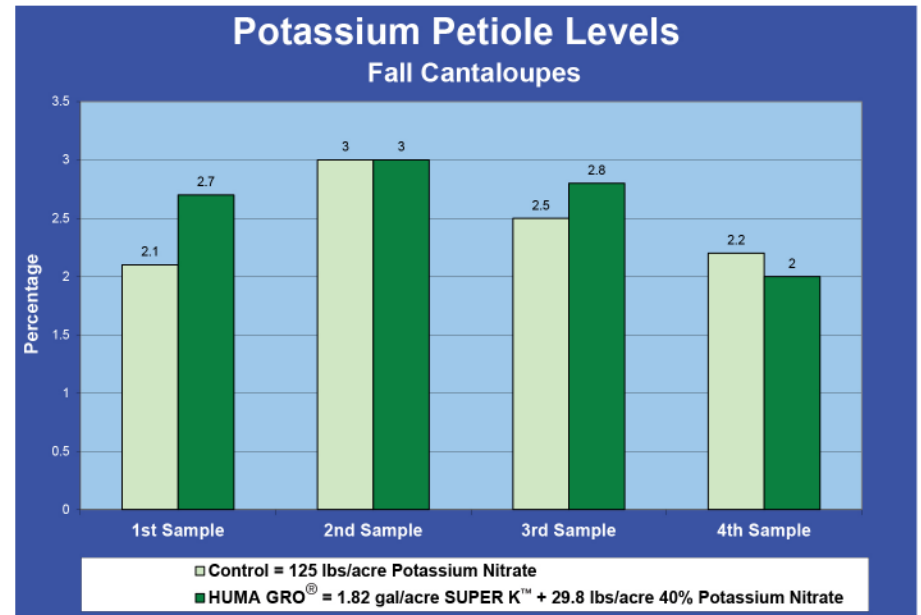
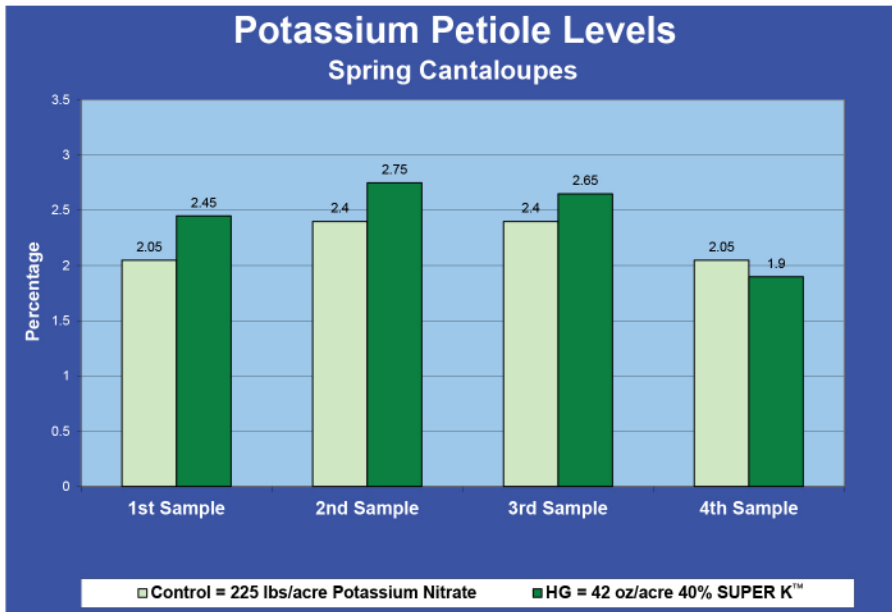
HUMA GRO® SUPER PHOS™ product is so effective and efficient, it took SUPER PHOS™ (50% P₂O₅) applied at 2.1 gallons per acre compared to the control of Green Phos Acid (52% P₂O₅) applied at 19.5 gallons per acre to get the same results of phosphorus petiole levels in the plants. The SUPER PHOS™ amount used was only 11.8% of the control amount!



HUMA GRO® SUPER PHOS™ product is so effective and efficient, it took 2 gallons per acre of SUPER PHOS™ (50% P₂O₅) to get the above results of phosphorus petiole levels in the plants. The SUPER PHOS™ amount used was only 10% (2 gallons compared to 20 gallons) of the control amount!

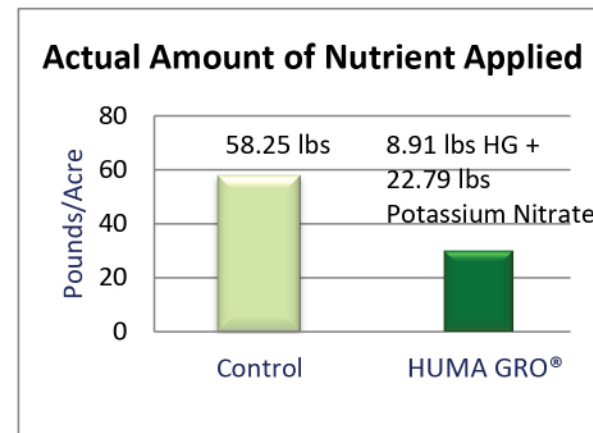
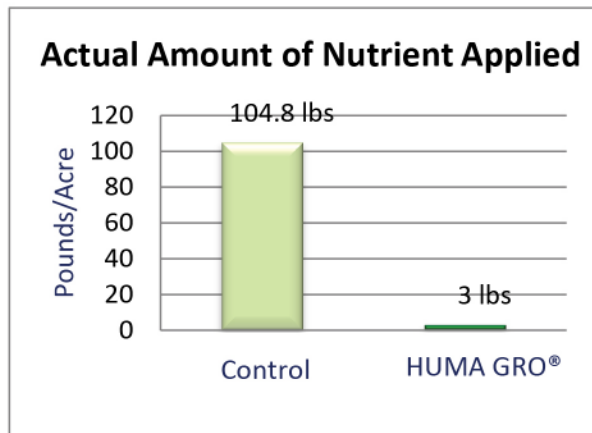


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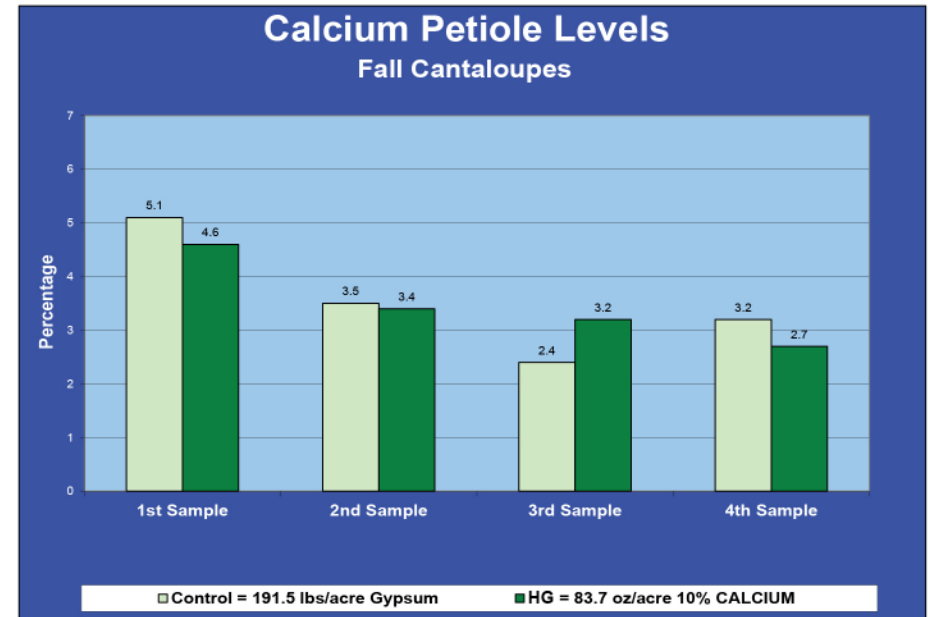
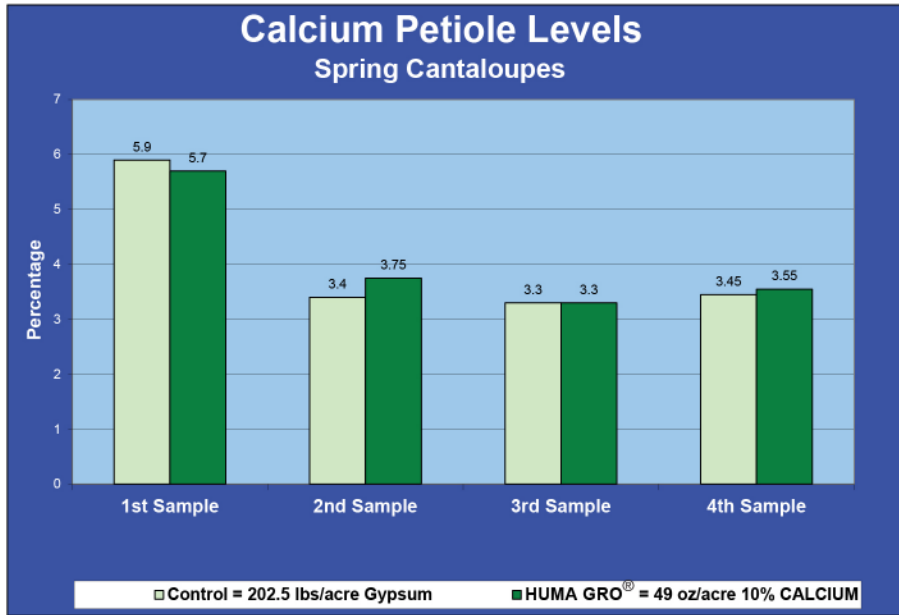


HUMA GRO® SUPER K™ did significantly better than just Potassium Nitrate (46.2% K₂O) while using less product per acre, providing easier handling. 42 oz per acre of SUPER K™ (40% K₂O) was used compared to the control of 225 lbs per acre of Potassium Nitrate.

HUMA GRO® performed better 2 out of 4 samples, and very similar the other 2 samples, using 22.29 pounds (1.82 gallons) per acre of SUPER K™ (40% K₂O) plus 29.8 pounds per acre of Potassium Nitrate (HUMA GRO® = 52.09 pounds total) compared to the control of 125 pounds per acre of Potassium Nitrate. The HUMA GRO® samples used 61% less actual K₂O per acre.

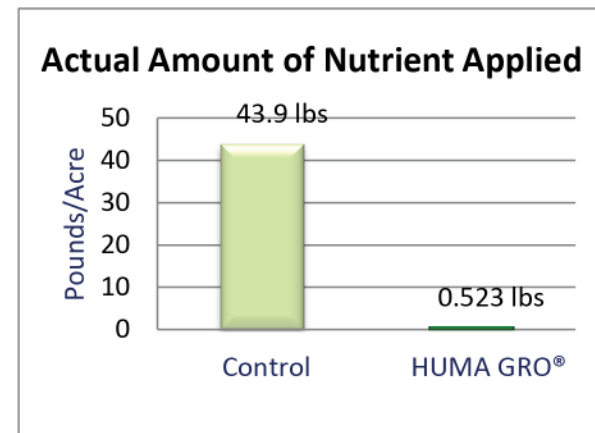
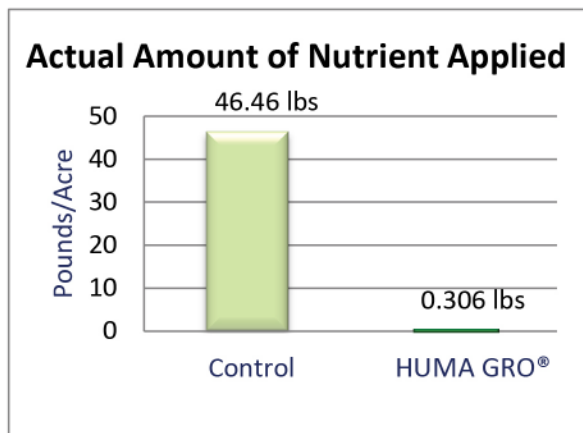


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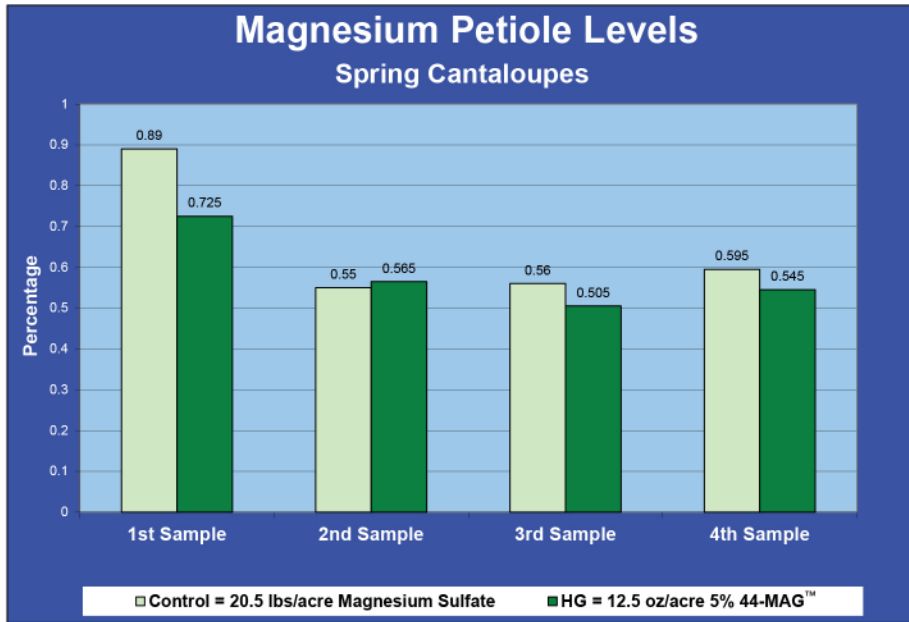


HUMA GRO® CALCIUM (10% Ca) liquid product showed better and similar results of calcium petiole levels with much less product. HUMA GRO® CALCIUM was applied at 0.306 lbs CA per acre compared to 46.46 lbs CA per acre of the control dry Gypsum.

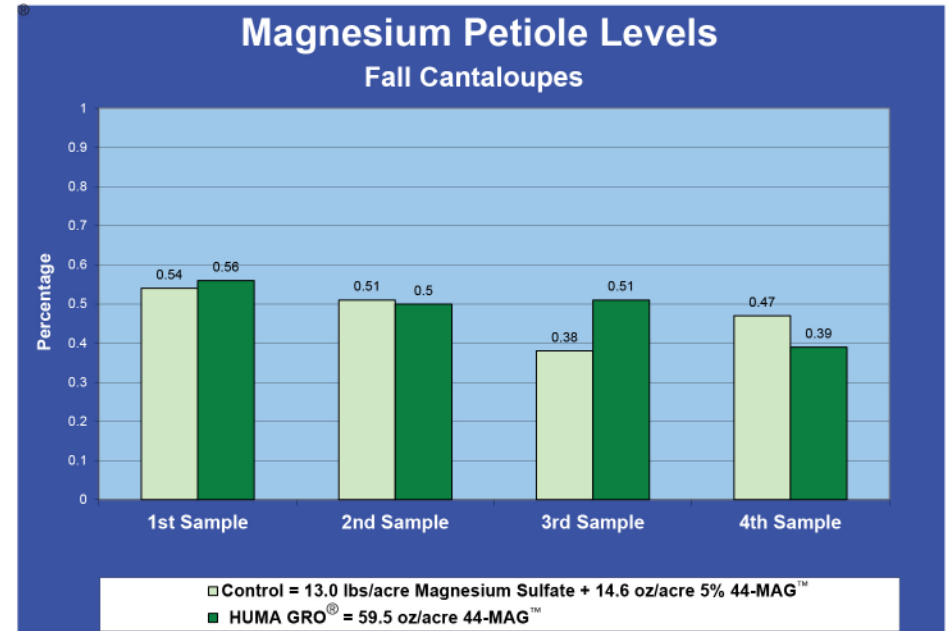
This graph shows 191.5 lbs per acre of the control dry Gypsum compared to HUMA GRO® CALCIUM (10% Ca) liquid product applied at 83.7 oz per acre (5.23 lbs) gave similar results of calcium petiole levels.



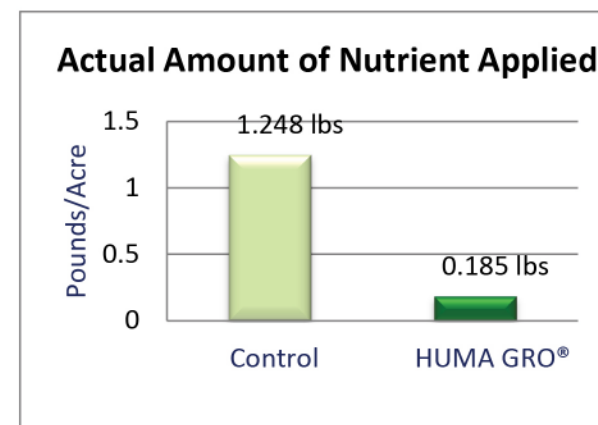
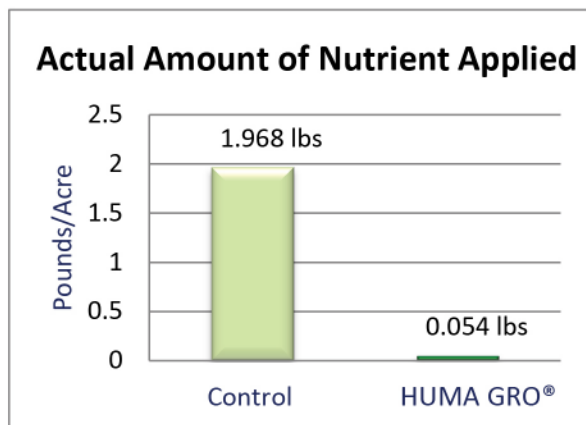
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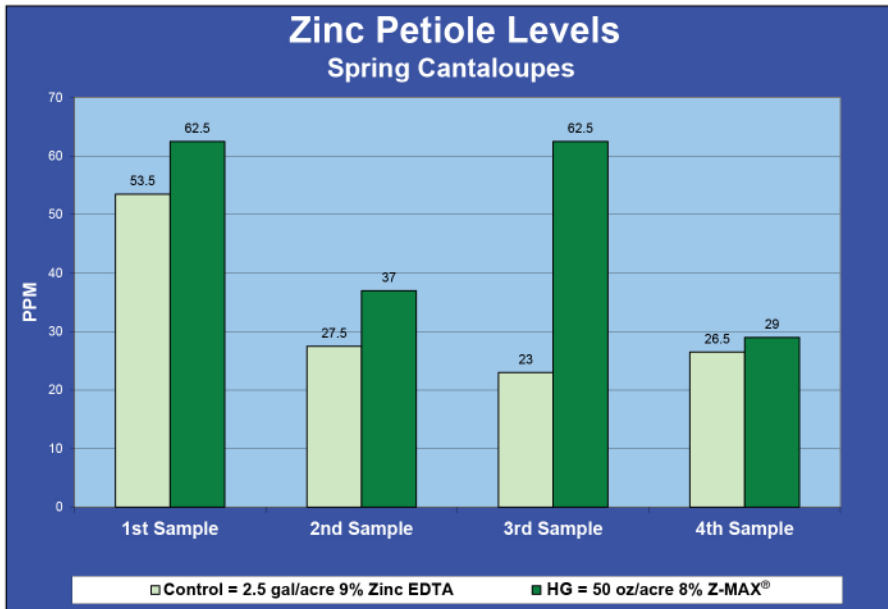
Using 12.5 oz per acre of HUMA GRO® 44-MAG® (5% Mg), compared with 20.5 lbs of dry Magnesium Sulfate per acre, the 44-MAG® resulted in similar levels of magnesium in the petiole.



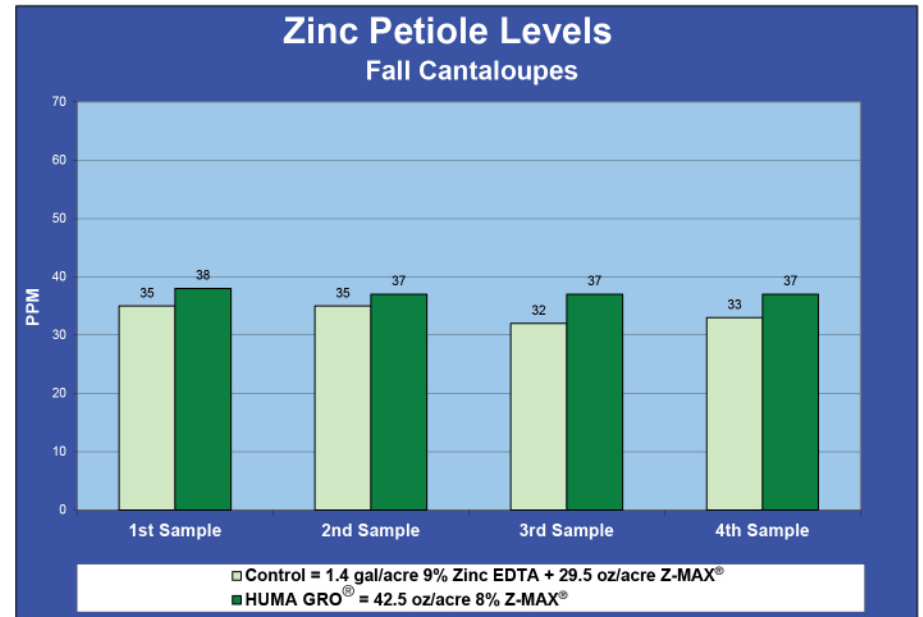
Using 59.5 oz (3.7 lbs) per acre of HUMA GRO® 44-MAG™ (5% Mg) compared with the control 13 lbs of dry Magnesium Sulfate (9.6% Mg) per acre, plus 14.6 oz per acre of HUMA GRO® 44-MAG® (5% Mg), the HUMA GRO® samples resulted in similar levels of magnesium in the petiole. While both types of samples included some HUMA GRO® 44-MAG®, the HUMA GRO® straight sample was more effective and efficient.



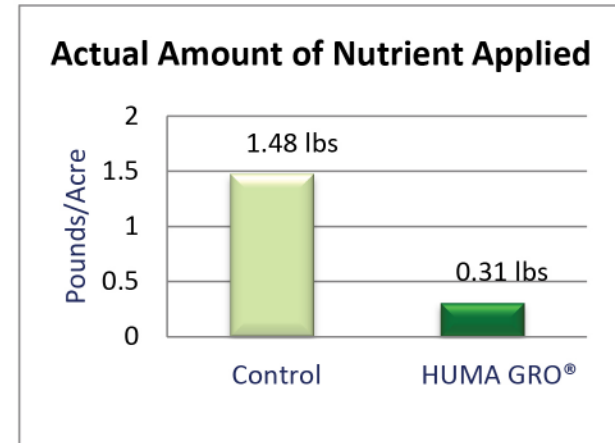
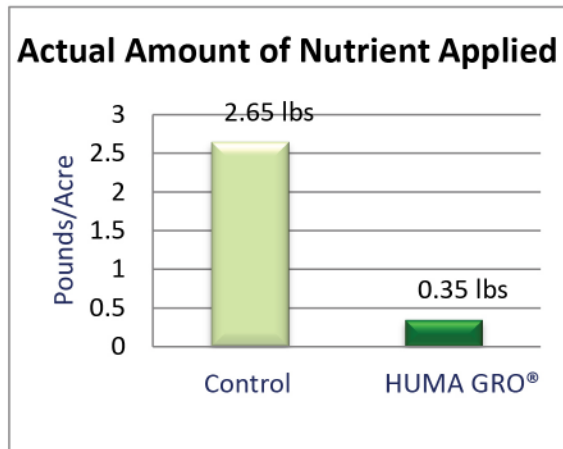
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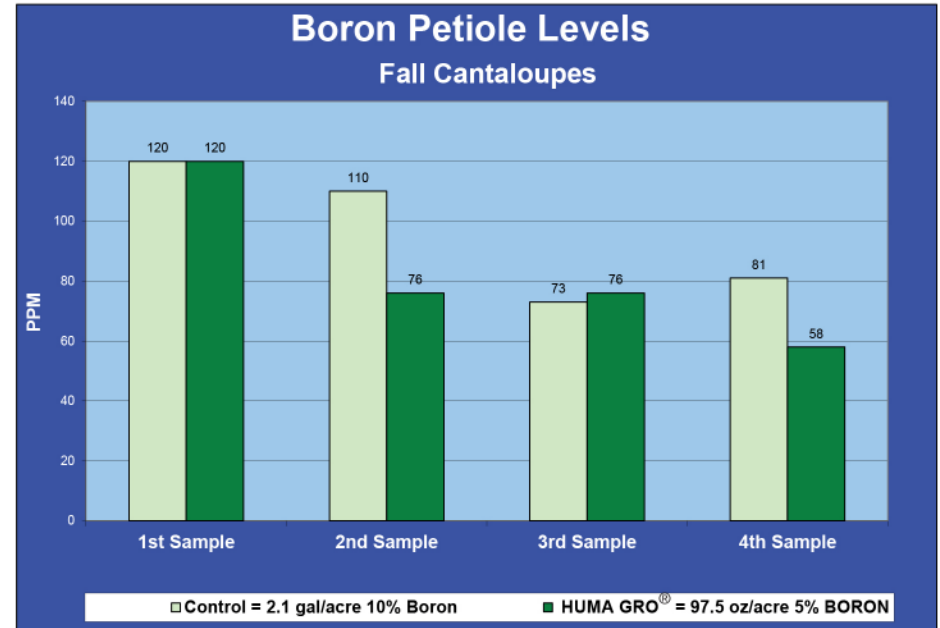
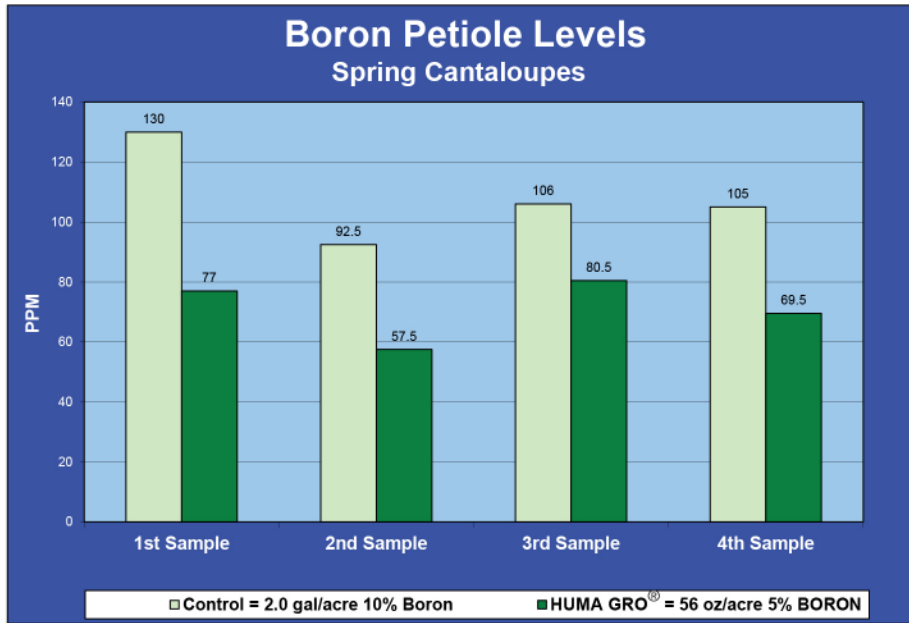
HUMA GRO® Z-MAX® performed far better in all 4 samples using 50 oz (0.39 gallons) per acre of HUMA GRO® Z-MAX® (8% Zn) compared to the control of 320 oz (2.5 gallons) per acre of Zinc EDTA (9% Zn).



HUMA GRO® Z-MAX® performed better in all 4 samples using 42.5 oz per acre of HUMA GRO® Z-MAX® (8% Zn) compared to the control of 179.2 oz (1.4 gallons) per acre of Zinc EDTA (9% Zn) plus 29.5 oz per acre of Z-MAX®.



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With half the Boron concentration (5%) applied than the conventional 10% B, at 200 oz less per acre, HUMA GRO® BORON was very effective with the small quantity applied. (Only 56 oz of a HUMA GRO® 5% Boron was applied.)

HUMA GRO® BORON (5% B) applied at 0.76 gallons (97.5 oz) per acre had similar results when compared to the control of 10% Boron applied at 2.1 gallons (268.8 oz) per acre of petiole boron levels in fall cantaloupes.

