



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

Nutrient Trials

Spring & Fall Cantaloupes

International

BIO HUMA NETICS, Inc.®

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Gilbert, AZ 85233

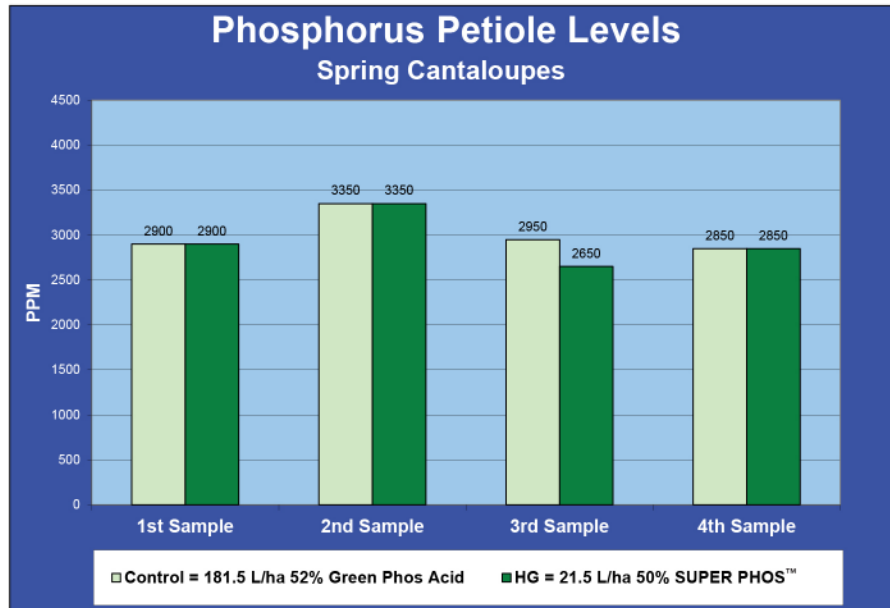
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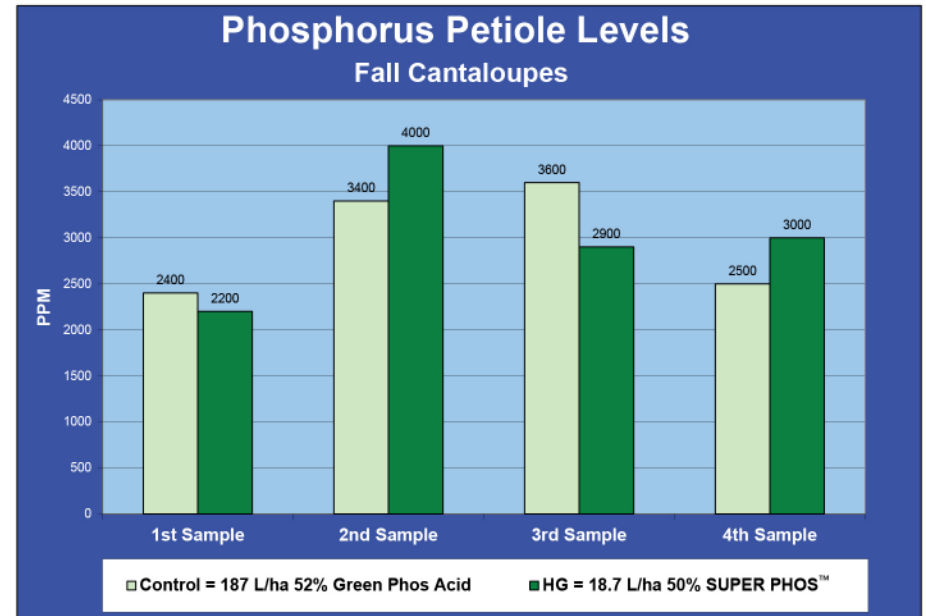
www.humagro.com

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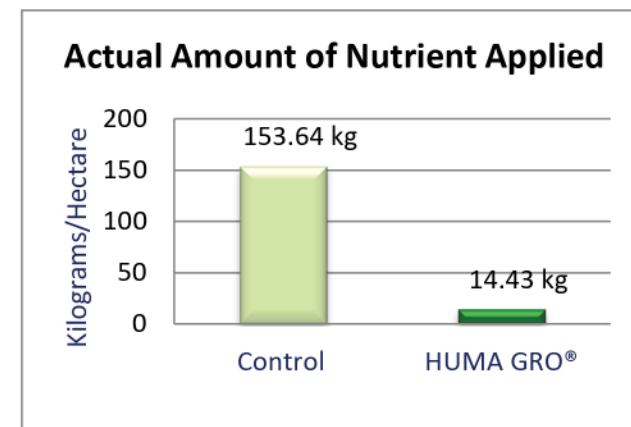
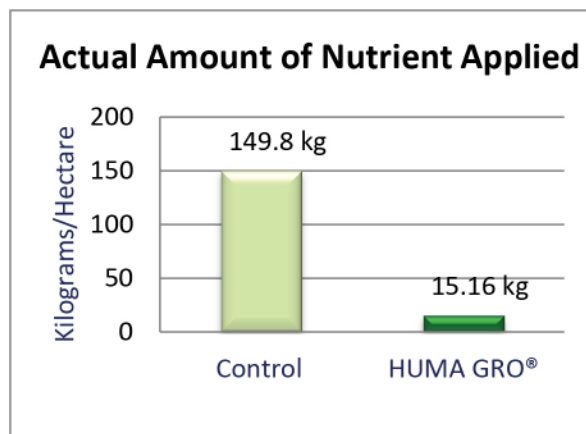
HUMA GRO®'s Higher Efficiency with MCT = Less Product / Easier Handling, Lower Costs & Better Results!



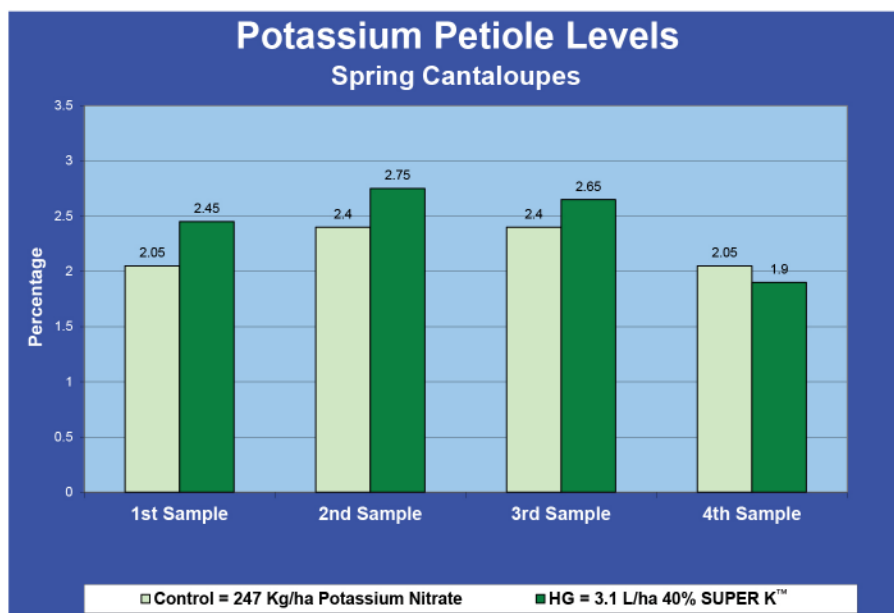
HUMA GRO® SUPER PHOS™ product is so effective and efficient, it took SUPER PHOS™ (50% P_2O_5) applied at 21.5 liters per hectare compared to the control of Green Phos Acid (52% P_2O_5) applied at 181.5 liters per hectare to get nearly the same results of phosphorus petiole levels in the plants. The SUPER PHOS™ amount used was only 11.8% of the control amount!



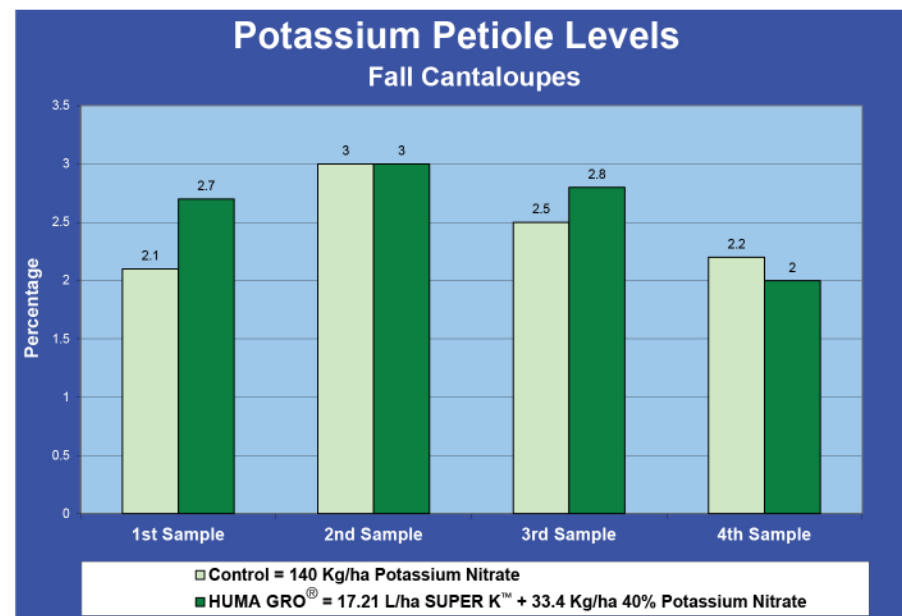
HUMA GRO® SUPER PHOS™ product is so effective and efficient, it took 18.7 liters per hectare of SUPER PHOS™ (50% P_2O_5) to get the above results of phosphorus petiole levels in the plants. The SUPER PHOS™ amount used was only 10% of the control amount!



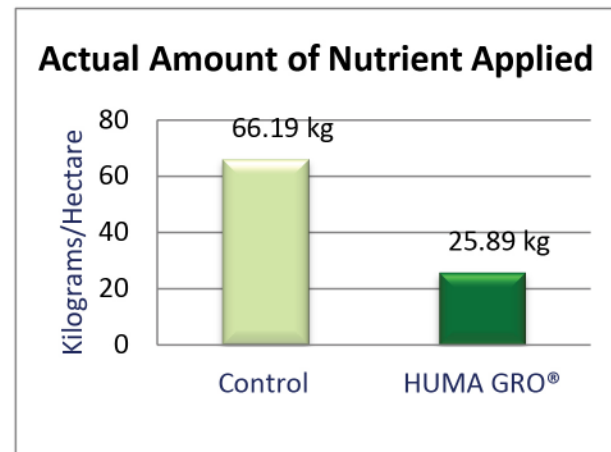
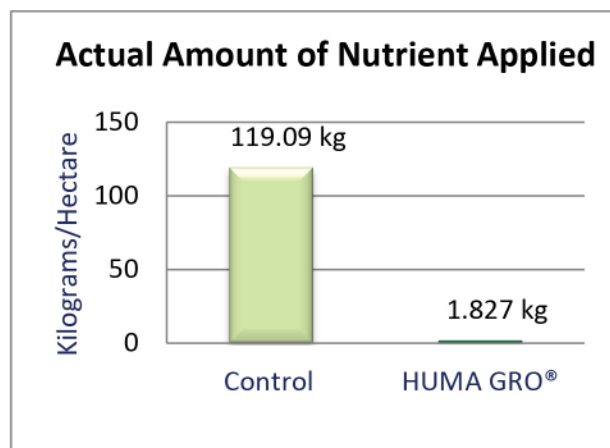
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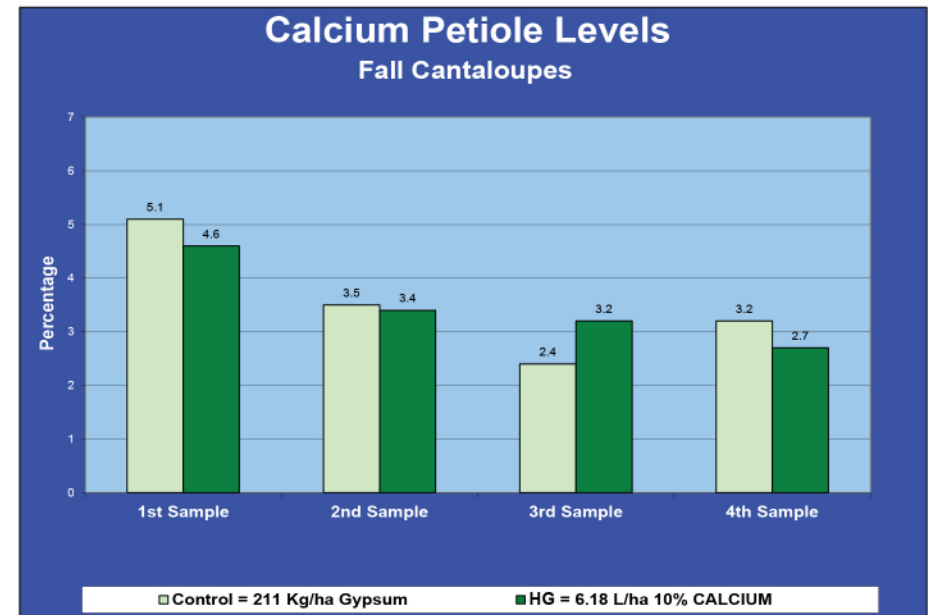
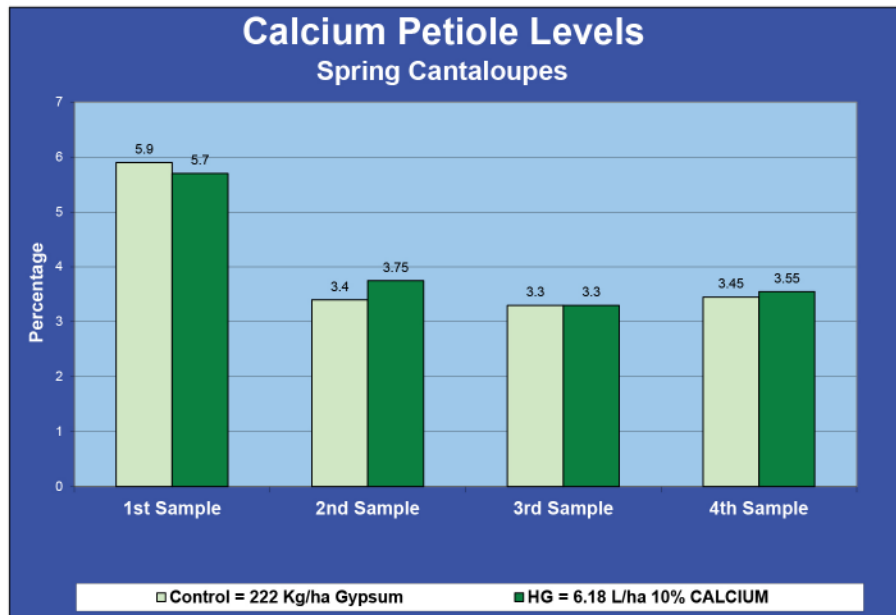
HUMA GRO® SUPER K™ did significantly better than just Potassium Nitrate (46.2% K₂O) while using less product per acre, providing easier handling. Only 3.1 liters per hectare of SUPER K™ (40% K₂O) was used compared to the control of 247 kilograms per hectare of Potassium Nitrate.



HUMA GRO® performed better 2 out of 4 samples, and very similar the other 2 samples, using 17.21 liters per hectare of SUPER K™ (40% K₂O) plus 33.4 kilograms per hectare of Potassium Nitrate (HUMA GRO® = 58.40 kilograms total) compared to the control of 140 kilograms per hectare of Potassium Nitrate. The HUMA GRO® samples used 61% less actual K₂O per acre.

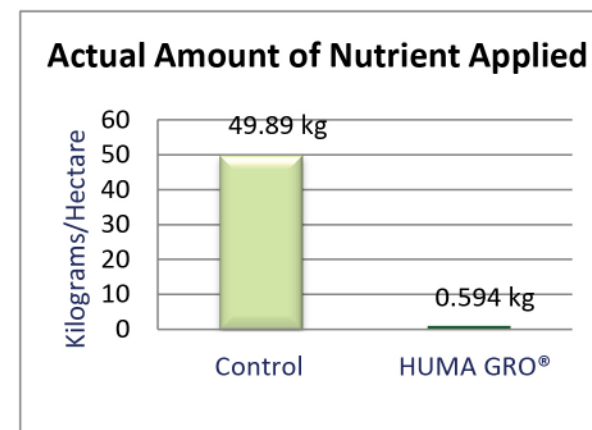
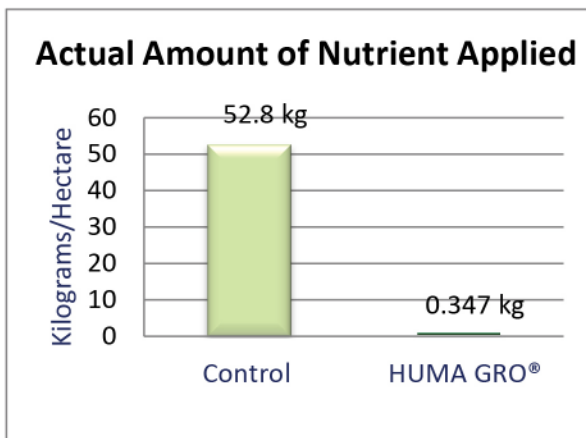


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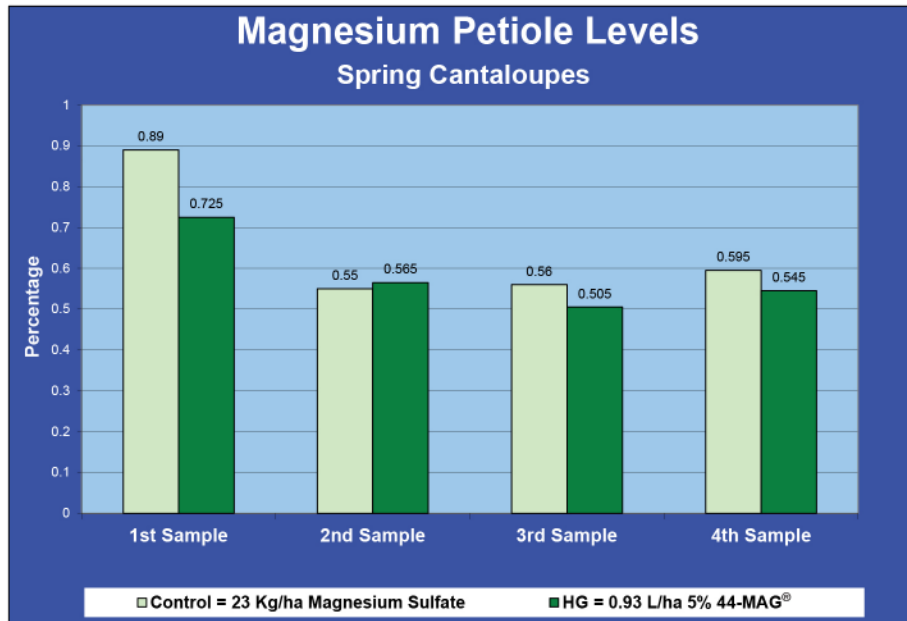


HUMA GRO® CALCIUM (10% Ca) liquid product showed better and similar results of calcium petiole levels with much less product. HUMA GRO® CALCIUM was applied at only 6.18 liters of 10% Ca per hectare compared to 222 kilograms Ca per hectare of the control dry Gypsum.

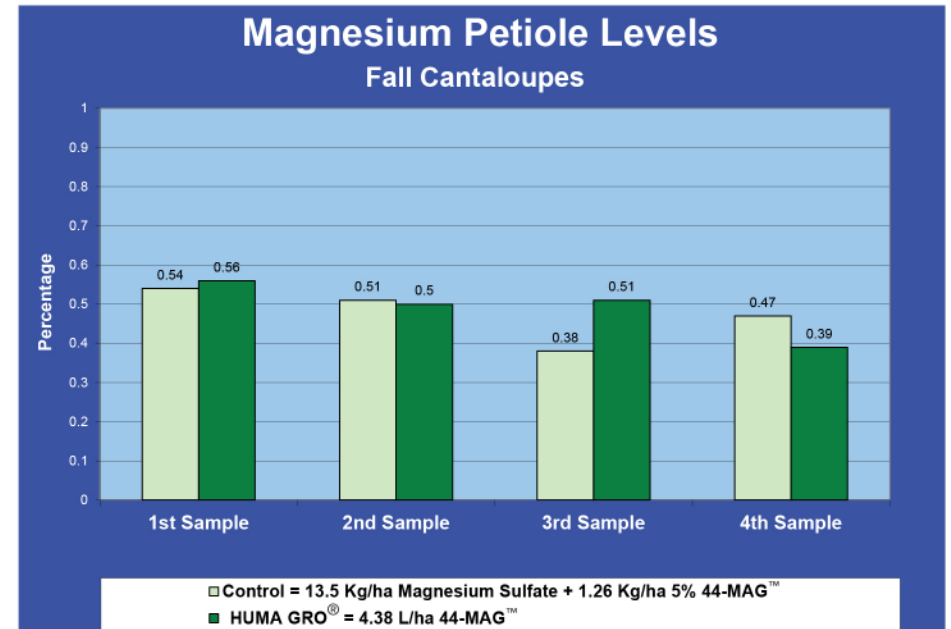
This graph shows 211 kilograms per hectare of the control dry Gypsum compared to HUMA GRO® CALCIUM (10% Ca) liquid product applied at 6.18 liters per hectare gave similar results of calcium petiole levels.



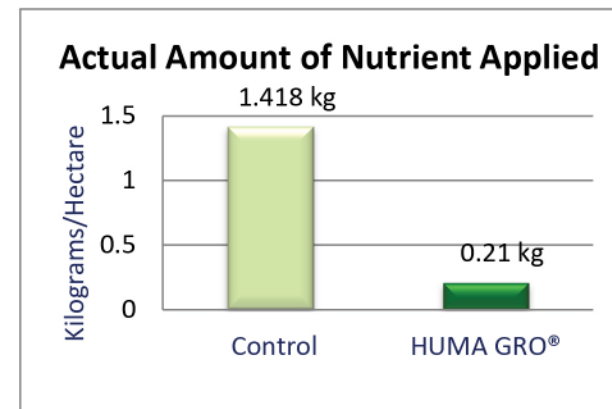
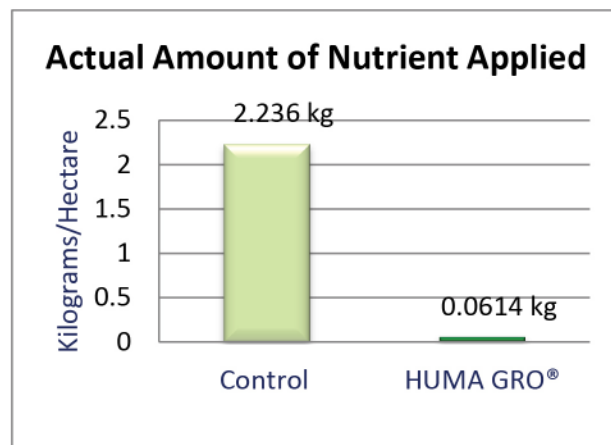
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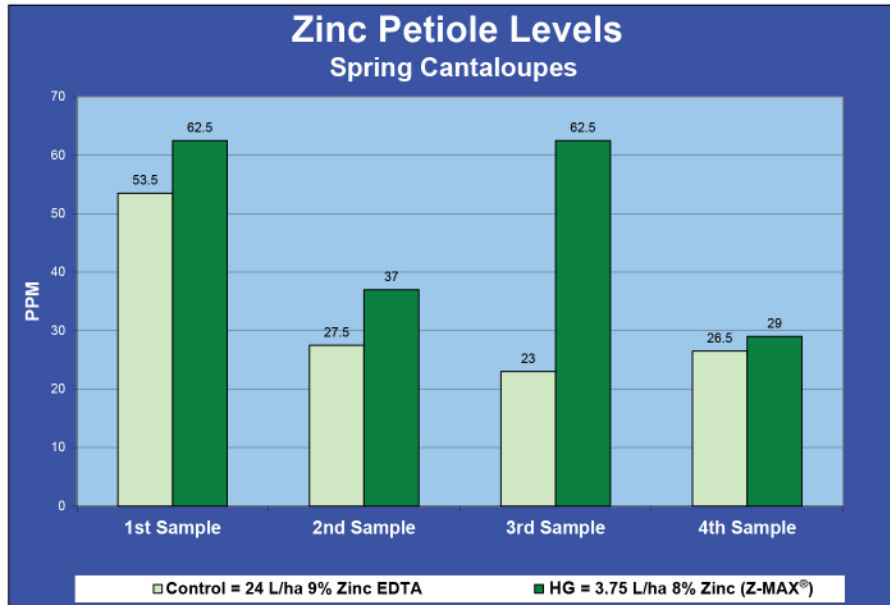
Using 0.93 liters per hectare of HUMA GRO® 44-MAG® (5% Mg), compared with 23 kilograms of dry Magnesium Sulfate per hectare, the 44-MAG® resulted in similar levels of magnesium in the petiole.



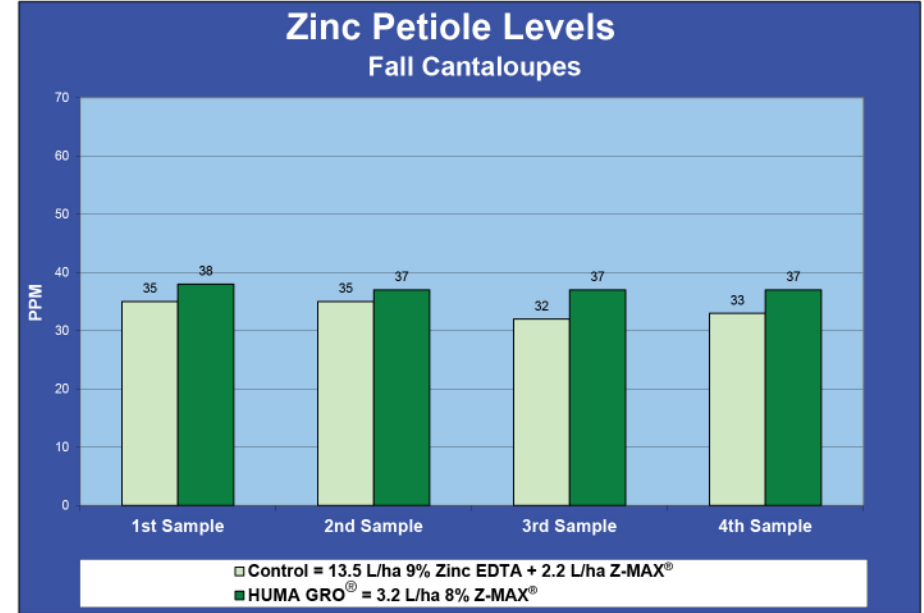
Using 4.38 liters per hectare of HUMA GRO® 44-MAG™ (5% Mg) compared with the control 13.5 kilograms of dry Magnesium Sulfate (9.6% Mg) per hectare, (plus 1.26 kilograms per hectare of HUMA GRO® 44-MAG®), the HUMA GRO® samples resulted in similar levels of magnesium in the petiole. While both types of samples included some of the 44-MAG®, the HUMA GRO® straight sample was more effective and efficient.



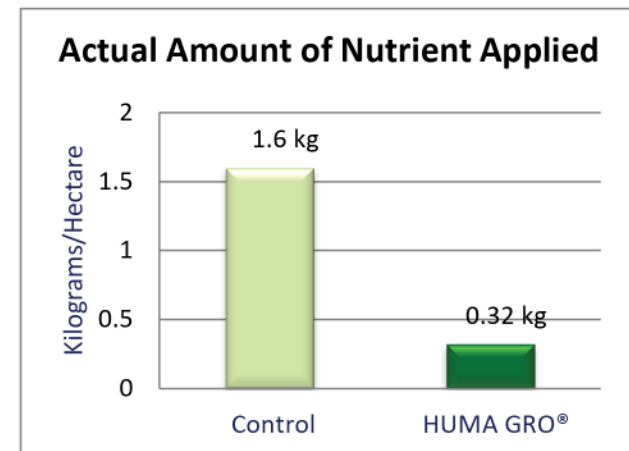
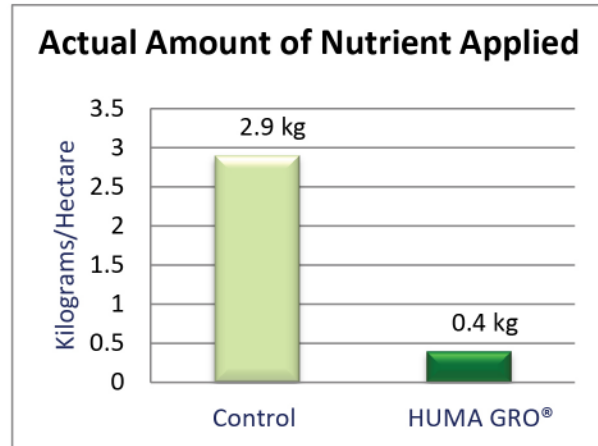
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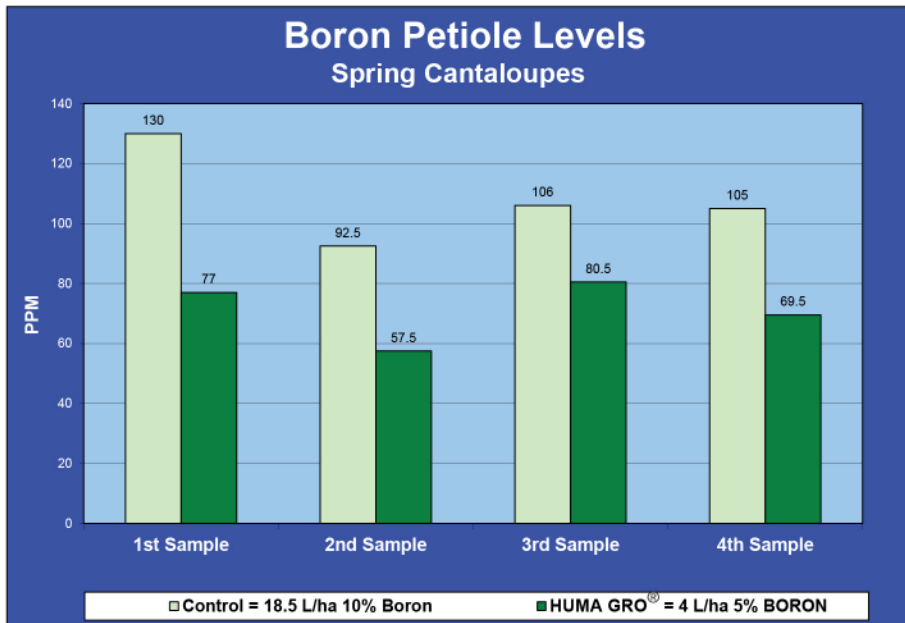
HUMA GRO® Z-MAX® performed far better in all 4 samples using 3.75 liters per hectare of HUMA GRO® Z-MAX® (8% Zn) compared to the control of 24 liters per hectare of Zinc EDTA (9% Zn).



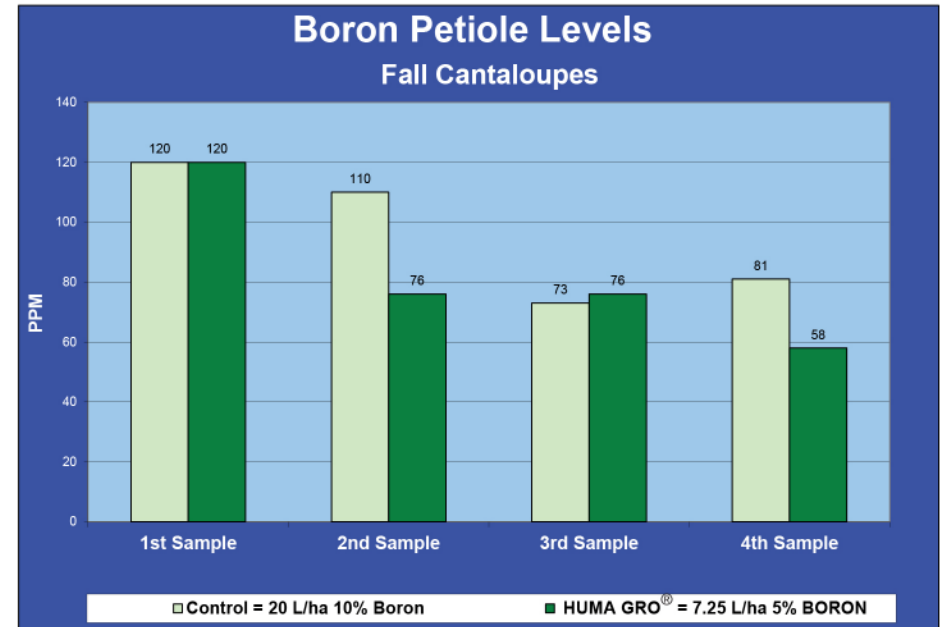
HUMA GRO® Z-MAX® performed better in all 4 samples using 3.2 liters per hectare of only HUMA GRO® Z-MAX® (8% Zn) compared to the control of 13.5 liters per hectare of Zinc EDTA (9% Zn) plus 2.2 liters per hectare of Z-MAX®.



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With half the Boron concentration (5% B) applied than the conventional 10% B, at 14.5 liters less per hectare, HUMA GRO® BORON was very effective with the small quantity applied.



HUMA GRO® BORON (5% B) applied at 7.25 liters per hectare had similar results compared to the control Boron (10% B) applied at 20 liters per hectare of petiole boron levels in fall cantaloupes.

