



INCREASE GRAPE YIELD WITH FOLIAR CORONA MASTER APPLICATION

RESEARCHER

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SITE LOCATION

Finger Lakes Region, NY
Aurora Grape Vineyard

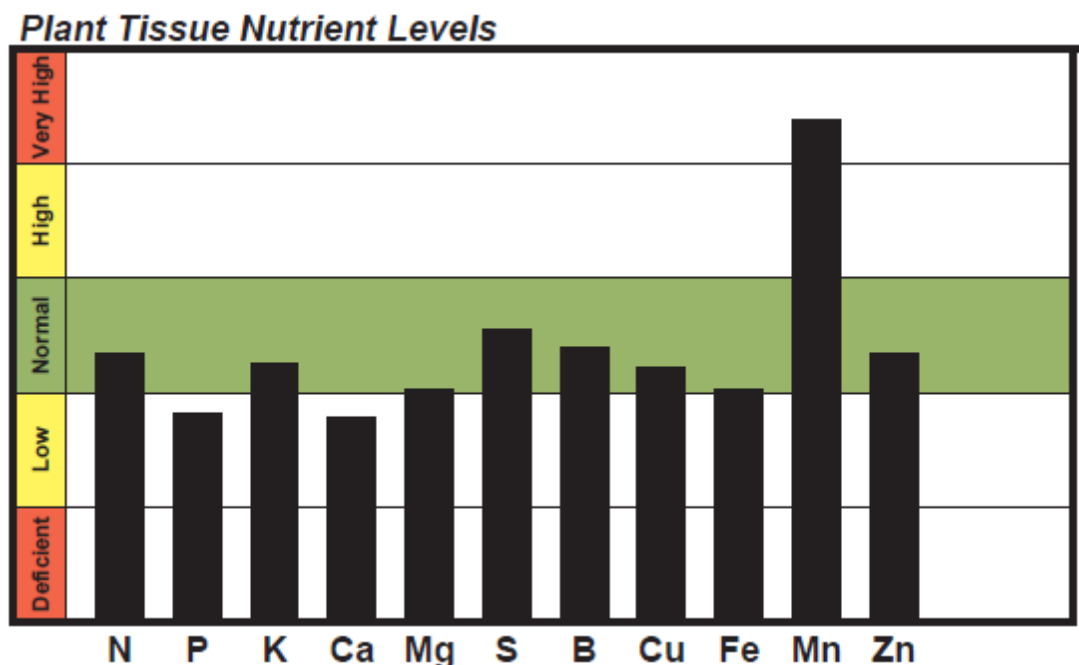
PURPOSE AND HYPOTHESIS:

The purpose of this experiment was to test the application of Corona Master (8-27-0) against an untreated section. The tissue samples on the vineyard test low in P 2 years in a row, as shown below. Our hypothesis is the PRX Complex in Corona will help to increase nutrient absorption and lead to higher yields.

APPLICATION:

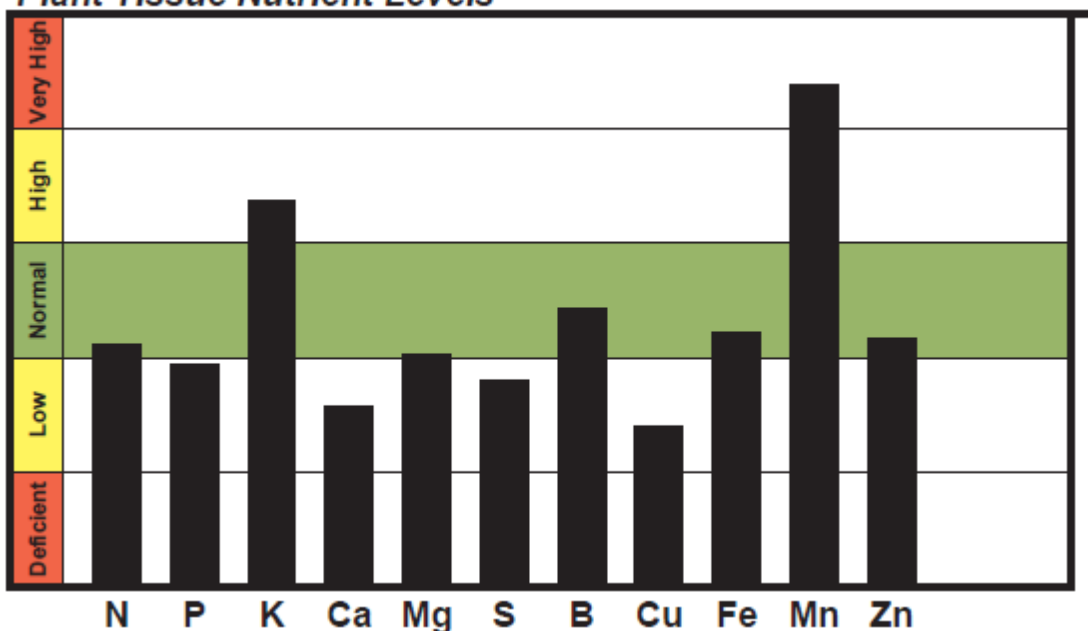
PRODUCT	ANALYSIS	RATE
Untreated	0-0-0	0 lb/ac
Corona Master	8-27-0	4 lbs/ac (split)

RESULTS LEAF TISSUE ANALYSIS



Graph 1: Spectrum results of leaf tissue analysis on the treated block before application.

Plant Tissue Nutrient Levels



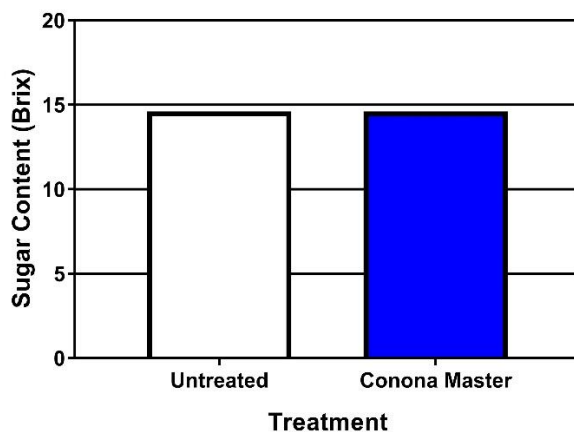
Graph 2: Leaf tissue tests after harvest.

KEY FINDINGS OF LEAF TISSUE TESTS:

The application of corona master slightly increased leaf tissue P. Keep in mind our foliar application was only 4 lbs/ac. I would recommend next year we up that to 8-10 lbs/ac.

MACHINE HARVEST RESULTS

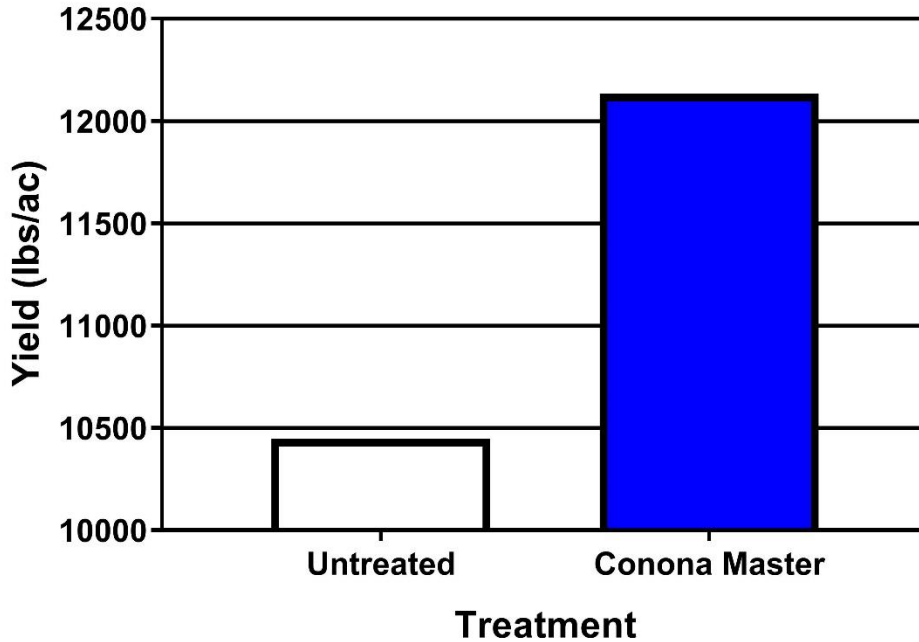
Treatment Effect on Grape Sugar Content at Harvest



Graph 3: Treatment effects on sugar content at harvest. This was collected by taking a 2 L sample of grapes in the bin and extracting the juice. Brix were measured with a refractometer. Treatment had no effect on sugar content.



Treatment Effect on Grape Yield



Graph 6: Final yield results in pounds per acre. Corona Master yielded 1,687 lbs/ac more than the untreated control.

KEY FINDING MACHINE HARVEST

RETURN ON INVESTMENT TABLE:

PRODUCT	APPLICATION	INCREASE (LBS)	RETURN (\$)
Untreated		0	0
Corona Master	4 lbs/ac	1,687	343

Assumptions: Grape price at time of trial = \$0.21/lb, Corona Master program costs 15 \$/acre

Take away:

- The Corona Master treatment resulted in slightly higher tissue P
- The treatment resulted in 1,687 lbs/ac more than control and had no effect on overall sugar content.
- The application of Fertileader resulted in \$343/ac return on investment to the grower.