

# Plant Tissue Analysis Report

with Cornell Nutrient Guidelines

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Cornell University  
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Lab Sample ID	3335690
Crop	Grapes, American
Variety	
Age	
Market	Fresh
Sampled	10/08/2013
Tested	10/29/2013
Statement ID	JAMES GILES--
Description	JUPITER EAST #1

Element	DM Basis	Satisfactory Range	Deficient	Low	In Range	High	Excessive
Nitrogen	1.17 %	0.8 - 1.2 %	██				
Potassium	4.00 %	1.3 - 2 %	██				
Phosphorus	.751 %	0.1 - 0.3 %	██				
Calcium	2.01 %	1.2 - 2 %	██				
Magnesium	.438 %	0.35 - 0.5 %	██				
Manganese	373 ppm	50 - 1000 ppm	██				
Iron	42.5 ppm	30 - 100 ppm	██				
Copper	10.02 ppm	5 - 15 ppm	██				
Boron	37 ppm	30 - 50 ppm	██				
Zinc	61.6 ppm	35 - 50 ppm	██				

Additional Elements	As Sampled Basis	Dry Matter Basis
% Sulfur	.05	.18

**Nitrogen:** Nitrogen values are useful in documenting potential problems. Consult Extension Specialist if value is outside of satisfactory range.

**Potassium:** Do not apply K unless soil test indicates a need. High K may increase risk of Mg deficiency. Resample next year.

**Phosphorus:** Omit phosphate from fertilizer program. High phosphorus levels may indicate possible zinc or copper shortages.

**Calcium:** High calcium levels may be associated with low K levels.

**Magnesium:** Continue present magnesium program.

**Manganese:** If manganese-containing fungicides or manganese sulfate sprays were applied this year, their use should be continued.

**Iron:** No correction is suggested.

**Copper:** No correction is suggested.

**Boron:** Continue present boron program.

**Zinc:** High levels may be from fungicide contamination of the sample and do not represent a problem.

For assistance interpreting your report, contact your local Cooperative Extension office or <http://cce.cornell.edu/Pages/Default.aspx> for a complete list of Cornell Cooperative Extension offices.

Please check our current price list and enclose \$24.00 with your next sample to cover unpaid charges on this sample.