

Report Number
17-172-0048



7621 Whitepine Road, Richmond, VA 23237
Main 804-743-9401 ° Fax 804-271-6446
www.waypointanalytical.com

Lab No:
172102

PLANT ANALYSIS

Customer Account Number :

Send To:

Grower:

Report Date : 6/22/2017
Page 1 of 2

Field id: Crop : **Grape petioles**
Sample Id : **B1W NA** Growth Stage : **Full-bloom** Plant Part:

	Nitrogen %	Sulfur %	Phosphorus %	Potassium %	Magnesium %	Calcium %	Sodium %	Boron ppm	Zinc ppm	Manganese ppm	Iron ppm	Copper ppm	Aluminum ppm	
Analysis	1.25	0.16	0.14	3.09	0.31	1.42	0.05	33	57	127	103	100	53	
Normal Range	1.60	0.16	0.20	1.50	0.13	0.40	0.00	25	20	18	40	5	0	
	2.79	0.28	0.59	2.00	0.39	2.49	0.20	50	100	100	180	10	250	
	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Ca/B	Fe/Mn	Ca/K	Ca/Mg				
Actual Ratio	7.8	0.4	0.9	24.6	10.0	243.3	430.3	0.8	0.5	4.6				
Expected Ratio	10.0	1.3	1.8	65.8	6.7	296.6	384.9	1.9	0.8	5.6				
Very High														
High														
Sufficient														
Low														
Deficient														
	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al	

- Comments :
- 02015) NITROGEN - Deficient or low due to inadequate N fertilization, excessive rainfall, and/or ineffective N application. Additional nitrogen may be supplied to the crop with sidedress or topdress applications or in irrigation water. Refer to local/state recommendations or contact the lab for supplemental N recommendations.
 - 02084) Additional nitrogen may be supplied to the crop with sidedress or topdress applications or in irrigation water. Apply at the rate of 20 to 50# per acre. Repeated applications may be necessary.
 - 02017) PHOSPHORUS - Phosphorus deficiency may be due to low P levels, low or high pH, root damage and/or cool soil temperatures. Soil test and follow soil test recommendations of future plantings.
 - 02023) SULFUR - Less than sufficient due to low soil S and/or when the N:S ratio exceeds 18:1. For optimum growth, maintain the N:S ratio between 9:1 and 18:1. If low S is detected apply 10-20# of S per acre in the sulfate form with sidedress or topdress. Alternatively, apply a foliar application of S using 1-2# of S per acre.
 - 02114) One or more nutrients are very high at this time. Please monitor.

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Field id:

Crop : **Grape petioles**

Sample Id : **B1W A**

Growth Stage : **Full-bloom**

Plant Part:

	Nitrogen %	Sulfur %	Phosphorus %	Potassium %	Magnesium %	Calcium %	Sodium %	Boron ppm	Zinc ppm	Manganese ppm	Iron ppm	Copper ppm	Aluminum ppm	
Analysis	0.99	0.12	0.12	2.79	0.34	1.57	0.05	32	47	111	77	109	70	
Normal Range	1.60	0.16	0.20	1.50	0.13	0.40	0.00	25	20	18	40	5	0	
	2.79	0.28	0.59	2.00	0.39	2.49	0.20	50	100	100	180	10	250	
	N/S	N/K	P/S	P/Zn	K/Mg	K/Mn	Ca/B	Fe/Mn	Ca/K	Ca/Mg				
Actual Ratio	8.3	0.4	1.0	25.5	8.2	251.4	490.6	0.7	0.6	4.6				
Expected Ratio	10.0	1.3	1.8	65.8	6.7	296.6	384.9	1.9	0.8	5.6				

Level	N	S	P	K	Mg	Ca	Na	B	Zn	Mn	Fe	Cu	Al
Very High												Very High	
High				High	High	High				High			
Sufficient													
Low	Low	Low											
Deficient	Deficient	Deficient	Deficient										

- Comments :
- 02023) SULFUR - Less than sufficient due to low soil S and/or when the N:S ratio exceeds 18:1. For optimum growth, maintain the N:S ratio between 9:1 and 18:1. If low S is detected apply 10-20# of S per acre in the sulfate form with sidedress or topdress. Alternatively, apply a foliar application of S using 1-2# of S per acre.
 - 02017) PHOSPHORUS - Phosphorus deficiency may be due to low P levels, low or high pH, root damage and/or cool soil temperatures. Soil test and follow soil test recommendations of future plantings.
 - 02015) NITROGEN - Deficient or low due to inadequate N fertilization, excessive rainfall, and/or ineffective N application. Additional nitrogen may be supplied to the crop with sidedress or topdress applications or in irrigation water. Refer to local/state recommendations or contact the lab for supplemental N recommendations.
 - 02084) Additional nitrogen may be supplied to the crop with sidedress or topdress applications or in irrigation water. Apply at the rate of 20 to 50# per acre. Repeated applications may be necessary.
 - 02114) One or more nutrients are very high at this time. Please monitor.