

Your Company Name
and Contact Information

Your Customer's Name
and Contact Information

Sample Number PSA-7966
 Collection Date 2010-06-15
 Process Date 2010-06-30
 Report Date 2010-07-01
 Date of Last Liming _____
 Soil Type Sandy Loam

Crop Species Grapes, Chambourcin Watering Method None
 Planting Area various acres Crop Life Stage Established (2-7 yrs.)
 Sample Notes: _____

LABORATORY ANALYSIS and RECOMMENDATIONS

[Results reported as Parts Per Million (ppm)]

TEST	RE-SULTS	OPTIMUM RANGE	RATING	RECOMMENDATIONS
1. pH Adjustment	5.8	6.75 - 7.50	Very Low	Apply 1.2 tons / A. of agricultural limestone during field preparations OR broadcast on top for established crops when adequate rainfall or irrigation is available
2. Calcium (Ca)	130	275 - 437	Very Low	Apply 3.27 tons/A of gypsum during field preparations OR broadcast on top of existing crops when rainfall/irrigation is available in 2 apps of 1.64 tons each 4-6 months apart
3. Core Depth	12 "	12+ "	Normal	No action required if item #2 recommendations are followed
4. Humus Content	2%	10+%	Extremely Low	Apply 1.09 tons/A. of Bio-Soil Boost or similar organic material during field prep OR broadcast over established crops OR plant cover crop.
5. Thatch Layer	N/A	0 - 0.125"	N/A	No Recommendation made at this time
6. Soluble Salts	6	25 - 60	Extremely Low	ASAP Start/Continue nutrition program with a high quality, complete & balanced fertilizer with low salt and chloride content
7. Nitrates (NO ₃)	4	10 - 20	Very Low	Start/Continue nutrition program with a high quality, complete & balanced fertilizer with low salt and chloride content
8. Ammonium (NH ₄)	1	5 - 15	Extremely Low	ASAP Start/Continue nutrition program with a high quality, complete & balanced fertilizer with low salt and chloride content
9. Phosphate (HPO ₄)	2	2 - 5	Low Normal	Continue regular program with high quality, complete & balanced fertilizer
10. Potassium (K)	14	5 - 25	Normal	No action required
11. Magnesium (Mg)	34	10 - 30	High	No action required
12. Iron (Fe)	0.1	.5 - 5	Very Low	Apply 1.25 gals in enough water to cover 1 acre either at planting or when crop emerges
13. Manganese (Mn)	0.1	.5 - 5	Very Low	Apply 1.25 gals in enough water to cover 1 acre either at planting or when crop emerges
14. Boron (B)	0.01	0.06 - .5	Extremely Low	Apply 1.5 gals in enough water to cover 1 acre either at planting or when crop emerges
15. Copper (Cu)	0.04	0.06 - .5	Low	Apply 1 gals in enough water to cover 1 acre either at planting or when crop emerges
16. Zinc (Zn)	0.01	0.3 - 3.0	Extremely Low	Apply 1.5 gals in enough water to cover 1 acre either at planting or when crop emerges
17. Sulfates (SO ₄)	40	40 - 150	Normal	No action required
18. Chlorides (Cl)	10	0 - 30	Normal	Avoid fertilizers containing chlorides

Special Instructions & Recommendations

General nutrition program may include 1-2 lbs of 10-10-10 per plant applied before buds start to swell or follow a foliar program with various applications at various times throughout the growing season.
 Contact us for more specific details.