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A&L Analytical Laboratories, Inc.

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SOIL ANALYSIS

Client :
Valley Fert & Seed
4907 Smithville Hwy
McMinnville TN 37110

Grower :
Mountain Creek Nursery
Elliott

Report No: 15-048-1003
Cust No: 06335
Date Printed: 02/18/2015
Date Received : 02/17/2015
PO:
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Lab Number : 66000 **Field Id :** **Sample Id :** 2583

Test	Method	Results
Soil pH	1:1	5.4
Buffer pH	BPH	7.49
Phosphorus (P)	M3	94 LB/ACRE
Potassium (K)	M3	282 LB/ACRE
Calcium (Ca)	M3	3460 LB/ACRE
Magnesium (Mg)	M3	496 LB/ACRE
Sulfur (S)		
Boron (B)		
Copper (Cu)		
Iron (Fe)		
Manganese (Mn)	M3	302 LB/ACRE
Zinc (Zn)	M3	6.0 LB/ACRE
Sodium (Na)		
Soluble Salts		
Organic Matter	LOI	5.9 % ENR 162
Nitrate Nitrogen		

SOIL TEST RATINGS: Very Low | Low | Medium | Optimum | Very High

Calculated Cation Exchange Capacity: **15.5** meq/100g

%Saturation

	%sat	meq
K	2.3	0.4
Ca	55.8	8.7
Mg	13.3	2.1
H	28.5	4.4

K/Mg Ratio: 0.19

Ca/Mg Ratio: 4.20

SOIL FERTILITY GUIDELINES

Crop : Garden **Yield Goal :** 1 Optimum **Rec Units:** LB/1000 SF

(lbs) LIME (tons)	N	P_2O_5	K_2O	Mg	S	B	Cu	Mn	Zn	Fe
100	3.0	1.0	2.0	0				0	0	

Crop : **Rec Units:**

Comments :

Garden

Limestone application is targeted to bring soil pH to 6.5.

- To convert the fertilizer recommendations from lbs/1000 sq ft to lbs/acre, multiply by 44.
- Adjust N rate up or down according to climatic conditions and management practices.
- Garden: Incorporate recommended lime, phosphate, potash, and half of nitrogen prior to planting. Sidedress with the remaining N about 6 weeks later.

BPH - Lime Index M3 - Mehlich 3 LOI - Loss On Ignition 1:1 - Water pH

Analysis prepared by: A&L Analytical Laboratories, Inc.