



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

Send To:

"Every acre...Every year."™

Grower:

### SOIL ANALYSIS REPORT

Analytical Method(s): Mehlich 3 SMP Buffer pH Loss On Ignition Water pH

Date Received: 01/15/2018

Date Of Analysis: 01/16/2018

Date Of Report: 04/09/2018

DE = Delaware Fertility Index Value

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus			Potassium	Magnesium	Calcium	Sodium	pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	17776	3.8 M	MIN	119	110 VH DE = 110			88 M DE = 48	60 M DE = 46	516 M DE = 52	42 L	5.4	6.79	1.4	4.9
2	17777	2.9 M	MIN	102	79 H DE = 79			100 H DE = 55	36 L DE = 27	482 M DE = 48	44 M	5.5	6.82	1.1	4.3
3	17778	1.9 L	MIN	82	136 VH DE = 136			126 VH DE = 69	49 M DE = 37	424 M DE = 42	49 M	5.7	6.85	0.8	3.9
4	17779	1.7 L	MIN	80	121 VH DE = 121			92 H DE = 51	44 M DE = 33	370 M DE = 37	41 M	5.9	6.88	0.5	3.1
5	17780	1.6 L	MIN	77	122 VH DE = 122			87 M DE = 48	43 M DE = 33	362 M DE = 36	42 M	5.8	6.87	0.6	3.2

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
1	4.6	10.2	52.7	3.7	28.6		17 M	2.4 M DE = 4.8	9 L DE = 18	124 VH	1.3 M	0.3 VL	
2	6.0	7.0	56.0	4.4	25.6		30 H	2.8 M DE = 5.6	11 M DE = 22	149 VH	1.9 H	0.3 VL	
3	8.3	10.5	54.4	5.5	20.5		28 H	5.0 H DE = 10.0	14 M DE = 28	174 VH	2.5 H	0.3 VL	
4	7.6	11.8	59.7	5.8	16.1		18 M	2.8 M DE = 5.6	7 L DE = 14	112 VH	1.4 M	0.2 VL	
5	7.0	11.2	56.6	5.7	18.8		12 L	2.8 M DE = 5.6	7 L DE = 14	110 VH	1.3 M	0.2 VL	

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: Waypoint Analytical Virginia, Inc.

by: *Paucic McGroary*

Paucic McGroary

Report Number: 18-015-9568

Account Number: 99999



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		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm Rate	ppm Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
6	17781	1.9 L	MIN	83	163 VH DE = 163			93 H DE = 51	30 L DE = 23	352 M DE = 35	45 M	5.4	6.83	1.0	3.4
7	17782	2.8 M	MIN	101	91 H DE = 91			45 L DE = 25	28 L DE = 21	443 M DE = 44	44 M	5.8	6.87	0.6	3.4
8	17783	2.1 L	MIN	85	81 H DE = 81			82 M DE = 45	46 L DE = 35	626 M DE = 63	45 M	5.9	6.85	0.8	4.7
9	17784	1.6 L	MIN	77	78 H DE = 78			65 L DE = 36	28 L DE = 21	440 M DE = 44	44 M	6.2		0.4	3.2
10	17785	1.9 L	MIN	82	168 VH DE = 168			66 M DE = 36	36 L DE = 27	609 H DE = 61	45 M	6.6		0.2	3.9

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	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate
6	7.0	7.4	51.8	5.8	29.4		27 H	2.9 M DE = 5.8	7 L DE = 14	136 VH	1.8 H	0.3 VL	
7	3.4	6.9	65.1	5.6	17.6		9 VL	2.6 M DE = 5.2	5 L DE = 10	117 VH	1.4 M	0.2 VL	
8	4.5	8.2	66.6	4.2	17.0		13 L	2.3 M DE = 4.6	5 L DE = 10	129 VH	1.4 M	0.3 VL	
9	5.2	7.3	68.8	6.0	12.5		20 M	2.4 M DE = 4.8	5 L DE = 10	99 VH	1.6 H	0.2 VL	
10	4.3	7.7	78.1	5.0	5.1		17 M	5.5 H DE = 11.0	9 L DE = 18	140 VH	2.4 H	0.3 VL	

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11	17787	1.6 L	MIN	77	146 VH DE = 146			50 L DE = 28	37 L DE = 28	563 H DE = 56	46 M	6.6		0.2	3.7
12	17788	1.9 L	MIN	83	174 VH DE = 174			61 L DE = 34	41 L DE = 31	511 M DE = 51	38 M	6.0	6.87	0.6	3.8
13	17789	1.9 L	MIN	83	118 VH DE = 118			82 M DE = 45	50 M DE = 38	461 M DE = 46	38 M	6.2		0.4	3.5
14	17790	1.9 L	MIN	83	150 VH DE = 150			39 VL DE = 21	46 M DE = 35	503 H DE = 50	43 M	6.5		0.3	3.5
15	17791	2.1 L	MIN	85	151 VH DE = 151			79 M DE = 43	37 L DE = 28	660 H DE = 66	44 M	6.2		0.6	4.6

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11	3.5	8.3	76.1	5.4	5.4		19 M	3.8 H DE = 7.6	30 H DE = 60	148 VH	1.9 H	0.3 VL	
12	4.1	9.0	67.2	4.3	15.8		16 M	5.3 H DE = 10.6	14 M DE = 28	178 VH	3.6 VH	0.3 VL	
13	6.0	11.9	65.9	4.7	11.4		16 M	3.8 H DE = 7.6	12 M DE = 24	168 VH	3.4 VH	0.3 VL	
14	2.9	11.0	71.9	5.3	8.6		14 L	2.9 M DE = 5.8	11 M DE = 22	157 VH	1.4 M	0.2 VL	
15	4.4	6.7	71.7	4.2	13.0		15 L	3.0 M DE = 6.0	5 L DE = 10	155 VH	1.8 H	0.3 VL	

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16	17792	2.8 M	MIN	100	75 H DE = 75			125 VH DE = 69	64 M DE = 49	461 M DE = 46	49 M	5.9	6.86	0.7	4.1

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		
	K %	Mg %	Ca %	Na %	H %	NO <sub>3</sub> N ppm Rate	S ppm Rate	Zn ppm Rate	Mn ppm Rate	Fe ppm Rate	Cu ppm Rate	B ppm Rate	SS ms/cm Rate		
16	7.8	13.0	56.2	5.2	17.1		28 H	3.3 M DE = 6.6	5 L DE = 10	138 VH	2.2 H	0.3 VL			

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