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Grower:

SOIL ANALYSIS REPORT

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

Date Received: 03/12/2018

Date Of Analysis: 03/13/2018

Date Of Report: 04/06/2018

NC = North Carolina 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
3A	22509	3.0 M	MIN	105	37 M NC = 31			26 VL NC = 13	74 H	414 M	11 VL	6.1	6.89	0.4	3.2
3B	22510	1.5 L	MIN	75	86 H NC = 72			19 VL NC = 10	78 H	502 M	7 VL	6.2		0.4	3.6
5A	22511	3.5 M	MIN	114	41 M NC = 34			70 M NC = 36	147 VH	512 M	11 VL	6.3		0.5	4.5
5B	22512	2.5 L	MIN	94	33 M NC = 27			25 VL NC = 13	120 VH	461 M	8 VL	6.2		0.5	3.9
17	22513	2.9 M	MIN	102	162 VH NC = 135			134 VH NC = 69	68 M	381 L	13 VL	5.3	6.80	1.3	4.2

Sample ID Field ID	Percent Base Saturation					Nitrate	Sulfur	Zinc	Manganese	Iron	Copper	Boron	Soluble Salts		NH4-N
	K %	Mg %	Ca %	Na %	H %	NO ₃ 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	ppm	
3A	2.1	19.3	64.7	1.5	12.5	1 VL	13 L NC = 27	1.0 VL NC = 25.0	15 M NC = 94	58 VH	0.4 L NC = 20.0	0.2 VL	0.06 VL	5.1	
3B	1.4	18.1	69.7	0.8	11.1	1 VL	12 L NC = 25	3.2 M NC = 80.0	21 H NC = 131	87 VH	0.6 L NC = 30.0	0.2 VL	0.06 VL	3.0	
5A	4.0	27.2	56.9	1.1	11.1	1 VL	8 VL NC = 17	2.9 M NC = 72.5	13 M NC = 81	87 VH	0.8 L NC = 40.0	0.3 VL	0.07 VL	6.2	
5B	1.6	25.6	59.1	0.9	12.8	1 VL	15 L NC = 31	1.3 L NC = 32.5	9 L NC = 56	53 VH	0.6 L NC = 30.0	0.2 VL	0.06 VL	3.7	
17	8.2	13.5	45.4	1.3	31.0	11 M	16 M NC = 33	9.2 VH NC = 230.0	42 H NC = 263	125 VH	1.5 M NC = 75.0	0.3 VL	0.16 VL	6.8	

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: 18-071-9514

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
18	22515	5.3 H	MIN	148	55 H NC = 46			37 VL NC = 19	159 H	676 M	13 VL	6.3		0.6	5.5
02-01	22516	4.3 M	MIN	129	140 VH NC = 117			118 VH NC = 60	84 M	458 L	12 VL	5.3	6.78	1.5	4.8
02-02	22517	5.5 H	MIN	150	68 H NC = 57			68 M NC = 35	109 H	524 M	16 VL	5.8	6.84	0.9	4.7

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	K %	Mg %	Ca %	Na %	H %	NO ₃ 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	ppm	
18	1.7	24.1	61.5	1.0	10.9	1 VL	13 L NC = 27	3.5 H NC = 87.5	20 M NC = 125	69 VH	1.4 M NC = 70.0	0.3 VL	0.11 VL	5.1	
02-01	6.3	14.6	47.7	1.1	31.3	3 VL	16 M NC = 33	4.8 H NC = 120.0	19 M NC = 119	75 VH	0.9 M NC = 45.0	0.3 VL	0.1 VL	6.5	
02-02	3.7	19.3	55.7	1.5	19.1	2 VL	21 M NC = 44	2.8 M NC = 70.0	14 M NC = 88	57 VH	0.8 L NC = 40.0	0.3 VL	0.08 VL	9.0	

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