

Soil Report

Job Name **Nutwood Farm**

Date **10/31/2018**

Company **Nutwood Farm**

Submitted By _____

Sample Location			Sare	Sare	Sare	Sare	
Sample ID			S	P	C	N	
Lab Number			48	49	50	51	
Sample Depth in inches			6	6	6	6	
Total Exchange Capacity (M. E.)			2.06	2.16	1.75	2.29	
pH of Soil Sample			5.0	4.7	5.1	5.0	
Organic Matter, Percent			7.70	8.51	8.29	7.87	
ANIONS	SULFUR:	p.p.m.	29	27	28	33	
	Mehlich III Phosphorous:	ppm	9	12	10	11	
EXCHANGEABLE CATIONS	CALCIUM:	Desired Value	279	293	237	311	
		ppm Value Found	126	115	109	144	
		Deficit	-153	-178	-128	-167	
	MAGNESIUM:	Desired Value	100	100	100	100	
		ppm Value Found	20	19	17	19	
		Deficit	-80	-81	-83	-80	
	POTASSIUM:	Desired Value	100	100	100	100	
		ppm Value Found	35	34	46	52	
		Deficit	-65	-66	-53	-48	
	SODIUM:	ppm	22	16	19	18	
	BASE SATURATION %	Calcium (60 to 70%)		30.60	26.62	31.18	31.32
		Magnesium (10 to 20%)		8.10	7.14	8.10	7.09
Potassium (2 to 5%)		4.30	4.04	6.82	5.82		
Sodium (.5 to 3%)		4.64	3.23	4.65	3.41		
Other Bases (Variable)		7.40	8.00	7.20	7.40		
Exchangable Hydrogen (10 to 15%)		45.00	51.00	42.00	45.00		
TRACE ELEMENTS	Boron (p.p.m.)		< 0.2	< 0.2	< 0.2	0.23	
	Iron (p.p.m.)		156	159	156	191	
	Manganese (p.p.m.)		4	3	4	5	
	Copper (p.p.m.)		0.85	0.8	0.77	0.91	
	Zinc (p.p.m.)		1.65	1.53	1.63	1.75	
	Aluminum (p.p.m.)		1724	1592	1567	1522	
OTHER	Cobalt ppm		0.048	0.049	0.074	0.062	
	Molybdenum ppm		0.09	0.02	0.02	1.54	
	Selenium ppm		0.86	0.56	0.45	0.63	
	Silicon ppm		8.4	6.1	7.7	6.3	
	EC mmhos/cm		0.03	0.02	0.02	0.03	