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LABORATORIES
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Ohio

2022 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter,%	3.3	1.6	(<1.0) 0.2	(1.0-2.5) 21.8	(2.5-5.0) 73.0	(5.0-7.0) 4.2	(7.0+) 0.8
Phosphorus (P1), ppm	33	37	(<10) 9.2	(10-20) 28.2	(20-30) 24.0	(30-50) 23.0	(50+) 15.6
Phosphorus (P2), ppm	54	47	(<14) 7.2	(14-29) 19.9	(29-44) 22.3	(44-74) 31.3	(74+) 19.2
Bicarbonate P, ppm	13	5	(<5) 6.7	(5-15) 60.0	(15-25) 33.3	(25-45)	(45+)
Potassium (K), ppm	136	57					
K, % Base Saturation	3.2	1.4	(<0.87) 0.3	(0.87-1.72) 6.6	(1.73-3.44) 59.3	(3.45-5.16) 28.8	(>5.16) 5.2
Magnesium (Mg), ppm	279	121					
Mg, % Base Saturation	19.9	5.6	(<5) 0.2	(5-10) 2.2	(10-15) 16.2	(15-25) 63.9	(25+) 17.5
Calcium (Ca), ppm	1512	764					
Ca, % Base Saturation	63.6	10.4	(<45) 4.5	(45-55) 14.6	(55-75) 68.5	(75-85) 10.8	(85+) 1.6
pH (1:1)	6.5	0.6	(<5.1) 0.8	(5.1-5.8) 13.6	(5.9-6.9) 63.2	(7.0-7.5) 17.9	(>7.5) 4.5
CEC, meq/100g	11.7	4.4	(<3.1) 0.2	(3.1-8.0) 17.8	(8.1-15.0) 62.5	(15.1-25.0) 19.0	(>25.0) 0.5
Sulfur (S), ppm	10	12.2	(<4) 0.7	(4-7) 31.7	(8-12) 58.3	(13-17) 6.7	(>17) 2.6
Zinc (Zn), ppm	3.2	3.3	(<1.0)	(1.1-2.9) 64.4	(3.0-4.9) 26.4	(5.0-10.0) 7.5	(>10.0) 1.7
Manganese (Mn), ppm	33	15	(<6) 0.8	(6-14) 11.2	(15-19) 22.6	(20-49) 52.8	(>49) 12.6
Iron (Fe), ppm	55	27		(<5) 0.1	(5-9) 0.2	(10-50) 50.7	(>50) 49.1
Copper (Cu), ppm	2.2	1.2		(<0.4) 0.1	(0.4-1.1) 16.5	(1.2-3.0) 65.1	(>3.0) 18.3
Boron (B), ppm	0.6	0.4	(<0.4) 30.7	(0.4-0.5) 25.6	(0.6-1.2) 39.8	(1.3-2.5) 3.8	(>2.5) 0.2
Nitrate (NO3-N), ppm	20.4	21.7	(<5) 3.9	(5-9) 24.3	(10-19) 38.8	(20-39) 23.3	(>39) 9.7
Ammonium (NH4-N), ppm	5.3	6.3	(<5) 22.1	(5-9) 70.5	(10-19) 3.2	(20-39) 2.1	(>39) 2.1