a&lgreatlakes LABORATORIES
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Illinois

2019 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,%	3.7	1.8	(<1.0) 0.2	(1.0-2.5) 19.9	(2.5-5.0) 64.9	(5.0-7.0) 12.8	(7.0+) 2.2
Phosphorus (P1), ppm	39	34	(<10) 4.2	(10-20) 16.8	(20-30) 23.2	(30-50) 32.8	(50+) 22.7
Phosphorus (P2), ppm	52	37	(<14) 3.1	(14-29) 20.5	(29-44) 28.4	(44-74) 31.7	(74+) 16.3
Potassium (K), ppm	170	74					
K, % Base Saturation	3.3	1.5	(<0.75) 1.2	(0.75-1.47) 3.4	(1.48-2.95) 45.6	(2.96-4.42) 36.1	(>4.42) 14.7
Magnesium (Mg), ppm	429	200					
Mg, % Base Saturation	24.8	8.6	(<5) 0.2	(5-10) 5.6	(10-15) 12.1	(15-25) 26.4	(25+) 55.7
Calcium (Ca), ppm	1747	1006					
Ca, % Base Saturation	60.4	10.4	(<45) 4.4	(45-55) 26.6	(55-75) 60.0	(75-85) 6.2	(85+) 2.8
pH (1:1)	6.5	0.5	(<5.1) 0.4	(5.1-5.8) 8.8	(5.9-6.9) 71.4	(7.0-7.5) 16.7	(>7.5) 2.6
CEC, meq/100g	14.3	5.7	(<3.1)	(3.1-8.0) 7.8	(8.1-15.0) 55.2	(15.1-25.0) 34.2	(>25.0) 2.8
Sulfur (S), ppm	7	4.7	(<4) 3.7	(4-7) 65.0	(8-12) 29.6	(13-17) 1.4	(>17) 0.4
Zinc (Zn), ppm	3.5	3.2	(<1.0)	(1.1-2.9) 54.2	(3.0-4.9) 31.3	(5.0-10.0) 11.8	(>10.0) 2.6
Manganese (Mn), ppm	44	16	(<6) 0.6	(6-14) 2.3	(15-19) 6.8	(20-49) 60.2	(>49) 30.1
Iron (Fe), ppm	40	25		(<5) 1.7	(5-9) 1.7	(10-50) 75.2	(>50) 21.4
Copper (Cu), ppm	1.5	0.8		(<0.4) 0.2	(0.4-1.1) 33.9	(1.2-3.0) 63.5	(>3.0) 2.4
Boron (B), ppm	0.5	0.4	(<0.4) 38.4	(0.4-0.5) 28.2	(0.6-1.2) 28.0	(1.3-2.5) 4.8	(>2.5) 0.6
Nitrate (NO_3-N), ppm	18.7	13.0	(<5) 3.0	(5-9) 21.8	(10-19) 36.3	(20-39) 31.5	(>39) 7.5
Ammonium (NH_4-N), ppm	5.7	6.9	(<5) 47.7	(5-9) 39.9	(10-19) 8.2	(20-39) 3.0	(>39) 1.1