a&lgreatlakes LABORATORIES
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Southwest Michigan

2017 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,%	2.9	5.1	(<1.0) 3.5	(1.0-2.5) 66.4	(2.5-5.0) 25.1	(5.0-7.0) 1.8	(7.0+) 3.2
Phosphorus (P1), ppm	68	72	(<10) 3.7	(10-20) 12.7	(20-30) 14.7	(30-50) 22.6	(50+) 46.3
Phosphorus (P2), ppm	114	105	(<14) 5.3	(14-29) 12.1	(29-44) 12.1	(44-74) 16.7	(74+) 53.8
Bicarbonate P, ppm	7	1	(<5)	(5-15) 100.0	(15-25)	(25-45)	(45+)
Potassium (K), ppm	123	60					
K, % Base Saturation	5.1	2.5	(<1.28) 1.8	(1.28-2.53) 11.8	(2.54-5.07) 53.0	(5.08-7.60) 26.1	(>7.60) 7.8
Magnesium (Mg), ppm	152	97					
Mg, % Base Saturation	17.9	6.0	(<5) 1.2	(5-10) 7.6	(10-15) 24.2	(15-25) 55.3	(25+) 11.7
Calcium (Ca), ppm	942	854					
Ca, % Base Saturation	62.2	13.8	(<45) 9.6	(45-55) 17.1	(55-75) 56.3	(75-85) 15.0	(85+) 1.9
pH (1:1)	6.5	0.7	(<5.1) 3.1	(5.1-5.8) 12.7	(5.9-6.0) 61.4	(7.0-7.5) 19.8	(>7.5) 3.0
CEC, meq/100g	7.3	4.8	(<3.1) 5.1	(3.1-8.0) 66.4	(8.1-15.0) 23.5	(15.1-25.0) 3.9	(>25.0) 1.1
Sulfur (S), ppm	11	14.2	(<4) 1.1	(4-7) 49.6	(8-12) 34.8	(13-17) 5.9	(>17) 8.6
Zinc (Zn), ppm	4.6	5.5	(<1.0)	(1.1-2.9) 40.0	(3.0-4.9) 31.6	(5.0-10.0) 21.6	(>10.0) 6.7
Manganese (Mn), ppm	37	17	(<6) 6.3	(6-14) 8.9	(15-19) 8.7	(20-49) 56.5	(>49) 19.6
Iron (Fe), ppm	46	28		(<5) 0.5	(5-9) 0.6	(10-50) 68.4	(>50) 30.6
Copper (Cu), ppm	1.7	1.9		(<0.4) 0.4	(0.4-1.1) 51.9	(1.2-3.0) 37.2	(>3.0) 10.5
Boron (B), ppm	0.4	0.4	(<0.4) 68.2	(0.4-0.5) 19.1	(0.6-1.2) 11.1	(1.3-2.5) 1.3	(>2.5) 0.3
Nitrate (NO_3-N), ppm	24.9	21.3	(<5) 8.1	(5-9) 14.8	(10-19) 27.5	(20-39) 30.6	(>39) 19.0
Ammonium (NH_4-N), ppm	5.8	9.0	(<5) 59.1	(5-9) 26.8	(10-19) 7.7	(20-39) 5.9	(>39) 0.5