a&lgreatlakes LABORATORIES
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Southern Michigan

2020 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
			(<1.0)	(1.0-2.5)	(2.5-5.0)	(5.0-7.0)	(7.0+)
Organic Matter,%	2.8	4.7	1.3	63.4	31.4	1.7	2.2
			(<10)	(10-20)	(20-30)	(30-50)	(50+)
Phosphorus (P1), ppm	56	56	3.3	13.9	17.5	27.0	38.3
			(<14)	(14-29)	(29-44)	(44-74)	(74+)
Phosphorus (P2), ppm	118	124	3.2	19.5	16.5	16.0	44.9
			(<5)	(5-15)	(15-25)	(25-45)	(45+)
Bicarbonate P, ppm	24	37	22.2	55.6	11.1		11.1
Potassium (K), ppm	127	58					
			(<1.14)	(1.14-2.25)	(2.26-4.51)	(4.52-6.76)	(>6.76)
K, % Base Saturation	4.5	2.2	1.3	10.6	54.0	28.0	6.7
Magnesium (Mg), ppm	172	95					
			(<5)	(5-10)	(10-15)	(15-25)	(25+)
Mg, % Base Saturation	17.5	5.5	1.3	6.9	24.5	58.9	8.4
Calcium (Ca), ppm	1152	927					
			(<45)	(45-55)	(55-75)	(75-85)	(85+)
Ca, % Base Saturation	65.9	12.7	5.2	13.5	54.8	22.9	3.6
			(<5.1)	(5.1-5.8)	(5.9-6.9)	(7.0-7.5)	(>7.5)
pH (1:1)	6.7	0.7	1.6	10.4	54.2	22.8	11.0
			(<3.1)	(3.1-8.0)	(8.1-15.0)	(15.1-25.0)	(>25.0)
CEC, meq/100g	8.4	4.9	1.9	54.7	37.3	5.3	0.9
			(<4)	(4-7)	(8-12)	(13-17)	(>17)
Sulfur (S), ppm	9	10.7	2.3	46.4	40.4	6.6	4.3
			(<1.0)	(1.1-2.9)	(3.0-4.9)	(5.0-10.0)	(>10.0)
Zinc (Zn), ppm	4.1	3.3		43.0	32.2	20.9	3.8
			(<6)	(6-14)	(15-19)	(20-49)	(>49)
Manganese (Mn), ppm	38	15	2.2	5.9	10.8	63.3	17.7
				(<5)	(5-9)	(10-50)	(>50)
Iron (Fe), ppm	41	24		0.5	1.2	74.6	23.7
				(<0.4)	(0.4-1.1)	(1.2-3.0)	(>3.0)
Copper (Cu), ppm	1.8	1.7		0.6	40.5	47.3	11.6
			(<0.4)	(0.4-0.5)	(0.6-1.2)	(1.3-2.5)	(>2.5)
Boron (B), ppm	0.5	0.4	46.4	22.8	25.9	4.8	0.1
			(<5)	(5-9)	(10-19)	(20-39)	(>39)
Nitrate (NO_3-N), ppm	34.3	28.4	6.9	10.2	17.7	30.5	34.8
			(<5)	(5-9)	(10-19)	(20-39)	(>39)
Ammonium (NH_4-N), ppm	6.6	12.6	51.0	31.1	8.7	4.9	4.4