

Northeast Michigan

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,%	2.7	3.5	3.7 <small>(<1.0)</small>	59.3 <small>(1.0-2.5)</small>	33.0 <small>(2.5-5.0)</small>	1.9 <small>(5.0-7.0)</small>	2.1 <small>(7.0+)</small>
Phosphorus (P1), ppm	50	55	3.8 <small>(<10)</small>	12.6 <small>(10-20)</small>	15.8 <small>(20-30)</small>	29.2 <small>(30-50)</small>	38.5 <small>(50+)</small>
Phosphorus (P2), ppm	86	61	1.3 <small>(<14)</small>	6.8 <small>(14-29)</small>	13.9 <small>(29-44)</small>	28.8 <small>(44-74)</small>	49.2 <small>(74+)</small>
Bicarbonate P, ppm	12	13	50.0 <small>(<5)</small>	25.0 <small>(5-15)</small>		25.0 <small>(15-25)</small>	
Potassium (K), ppm	137	62					
K, % Base Saturation	4.1	1.9	0.7 <small>(<1.02)</small>	9.0 <small>(1.02-2.01)</small>	50.3 <small>(2.02-4.02)</small>	31.3 <small>(4.03-6.04)</small>	8.7 <small>(>6.04)</small>
Magnesium (Mg), ppm	209	115					
Mg, % Base Saturation	18.4	5.3	0.4 <small>(<5)</small>	5.5 <small>(5-10)</small>	20.3 <small>(10-15)</small>	64.2 <small>(15-25)</small>	9.6 <small>(25+)</small>
Calcium (Ca), ppm	1396	1004					
Ca, % Base Saturation	69.6	10.9	2.3 <small>(<45)</small>	8.1 <small>(45-55)</small>	54.1 <small>(55-75)</small>	30.2 <small>(75-85)</small>	5.2 <small>(85+)</small>
pH (1:1)	6.9	0.7	0.2 <small>(<5.1)</small>	5.6 <small>(5.1-5.8)</small>	46.3 <small>(5.9-6.9)</small>	27.7 <small>(7.0-7.5)</small>	20.1 <small>(>7.5)</small>
CEC, meq/100g	9.6	5.5	2.4 <small>(<3.1)</small>	40.7 <small>(3.1-8.0)</small>	45.9 <small>(8.1-15.0)</small>	9.4 <small>(15.1-25.0)</small>	1.6 <small>(>25.0)</small>
Sulfur (S), ppm	10	12.5	1.2 <small>(<4)</small>	41.7 <small>(4-7)</small>	43.6 <small>(8-12)</small>	7.0 <small>(13-17)</small>	6.4 <small>(>17)</small>
Zinc (Zn), ppm	5.1	3.1		23.4 <small>(1.1-2.9)</small>	33.8 <small>(3.0-4.9)</small>	37.8 <small>(5.0-10.0)</small>	5.0 <small>(>10.0)</small>
Manganese (Mn), ppm	33	12	1.8 <small>(<6)</small>	8.8 <small>(6-14)</small>	17.1 <small>(15-19)</small>	66.7 <small>(20-49)</small>	5.6 <small>(>49)</small>
Iron (Fe), ppm	36	18		0.5 <small>(<5)</small>	0.8 <small>(5-9)</small>	82.4 <small>(10-50)</small>	16.3 <small>(>50)</small>
Copper (Cu), ppm	1.8	1.0		0.3 <small>(<0.4)</small>	26.6 <small>(0.4-1.1)</small>	64.2 <small>(1.2-3.0)</small>	9.0 <small>(>3.0)</small>
Boron (B), ppm	0.8	0.5	18.1 <small>(<0.4)</small>	17.3 <small>(0.4-0.5)</small>	47.6 <small>(0.6-1.2)</small>	16.7 <small>(1.3-2.5)</small>	0.3 <small>(>2.5)</small>
Nitrate (NO ₃ -N), ppm	15.8	16.0	3.6 <small>(<5)</small>	34.5 <small>(5-9)</small>	38.2 <small>(10-19)</small>	18.2 <small>(20-39)</small>	5.5 <small>(>39)</small>
Ammonium (NH ₄ -N), ppm	2.4	1.4	87.5 <small>(<5)</small>	9.4 <small>(5-9)</small>	3.1 <small>(10-19)</small>		