

Southern 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,%	2.8	4.4	<small>(<1.0)</small> 2.7	<small>(1.0-2.5)</small> 59.1	<small>(2.5-5.0)</small> 34.5	<small>(5.0-7.0)</small> 1.6	<small>(7.0+)</small> 2.1
Phosphorus (P1), ppm	52	53	<small>(<10)</small> 3.6	<small>(10-20)</small> 12.9	<small>(20-30)</small> 16.6	<small>(30-50)</small> 28.5	<small>(50+)</small> 38.3
Phosphorus (P2), ppm	82	71	<small>(<14)</small> 1.6	<small>(14-29)</small> 8.1	<small>(29-44)</small> 16.5	<small>(44-74)</small> 29.1	<small>(74+)</small> 44.7
Bicarbonate P, ppm	12	13	<small>(<5)</small> 50.0	<small>(5-15)</small> 25.0	<small>(15-25)</small>	<small>(25-45)</small> 25.0	<small>(45+)</small>
Potassium (K), ppm	134	63					
K, % Base Saturation	4.1	1.8	<small>(<1.02)</small> 0.7	<small>(1.02-2.03)</small> 9.3	<small>(2.04-4.06)</small> 51.8	<small>(4.07-6.09)</small> 30.7	<small>(>6.09)</small> 7.7
Magnesium (Mg), ppm	205	108					
Mg, % Base Saturation	18.1	5.1	<small>(<5)</small> 0.4	<small>(5-10)</small> 5.3	<small>(10-15)</small> 21.2	<small>(15-25)</small> 64.9	<small>(25+)</small> 8.2
Calcium (Ca), ppm	1375	943					
Ca, % Base Saturation	69.4	11.1	<small>(<45)</small> 2.7	<small>(45-55)</small> 8.6	<small>(55-75)</small> 53.0	<small>(75-85)</small> 31.0	<small>(85+)</small> 4.8
pH (1:1)	6.9	0.7	<small>(<5.1)</small> 0.3	<small>(5.1-5.8)</small> 6.1	<small>(5.9-6.9)</small> 46.9	<small>(7.0-7.5)</small> 28.2	<small>(>7.5)</small> 18.4
CEC, meq/100g	9.5	5.2	<small>(<3.1)</small> 2.0	<small>(3.1-8.0)</small> 40.7	<small>(8.1-15.0)</small> 47.5	<small>(15.1-25.0)</small> 8.4	<small>(>25.0)</small> 1.3
Sulfur (S), ppm	11	21.6	<small>(<4)</small> 1.2	<small>(4-7)</small> 43.1	<small>(8-12)</small> 43.4	<small>(13-17)</small> 6.2	<small>(>17)</small> 6.0
Zinc (Zn), ppm	4.8	3.0	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 27.9	<small>(3.0-4.9)</small> 34.5	<small>(5.0-10.0)</small> 33.3	<small>(>10.0)</small> 4.3
Manganese (Mn), ppm	35	13	<small>(<6)</small> 1.4	<small>(6-14)</small> 7.1	<small>(15-19)</small> 14.9	<small>(20-49)</small> 67.2	<small>(>49)</small> 9.3
Iron (Fe), ppm	39	19		<small>(<5)</small> 0.4	<small>(5-9)</small> 0.6	<small>(10-50)</small> 79.3	<small>(>50)</small> 19.7
Copper (Cu), ppm	1.8	1.2		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 31.3	<small>(1.2-3.0)</small> 57.0	<small>(>3.0)</small> 11.6
Boron (B), ppm	0.7	0.5	<small>(<0.4)</small> 22.7	<small>(0.4-0.5)</small> 19.1	<small>(0.6-1.2)</small> 45.0	<small>(1.3-2.5)</small> 12.9	<small>(>2.5)</small> 0.3
Nitrate (NO ₃ -N), ppm	18.7	16.5	<small>(<5)</small> 8.2	<small>(5-9)</small> 19.5	<small>(10-19)</small> 36.5	<small>(20-39)</small> 27.7	<small>(>39)</small> 8.2
Ammonium (NH ₄ -N), ppm	2.7	1.4	<small>(<5)</small> 72.9	<small>(5-9)</small> 25.0	<small>(10-19)</small> 2.1	<small>(20-39)</small>	<small>(>39)</small>