

Southern Michigan

2016 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	5.0	<small>(<1.0)</small> 3.3	<small>(1.0-2.5)</small> 63.2	<small>(2.5-5.0)</small> 29.3	<small>(5.0-7.0)</small> 1.5	<small>(7.0+)</small> 2.5
Phosphorus (P1), ppm	77	94	<small>(<10)</small> 3.6	<small>(10-20)</small> 11.6	<small>(20-30)</small> 14.2	<small>(30-50)</small> 22.0	<small>(50+)</small> 48.6
Phosphorus (P2), ppm	75	94	<small>(<14)</small> 3.9	<small>(14-29)</small> 16.5	<small>(29-44)</small> 21.1	<small>(44-74)</small> 25.4	<small>(74+)</small> 33.0
Bicarbonate P, ppm	8		<small>(<5)</small>	<small>(5-15)</small> 100.0	<small>(15-25)</small>	<small>(25-45)</small>	<small>(45+)</small>
Potassium (K), ppm	124	114					
K, % Base Saturation	4.8	2.6	<small>(<1.22)</small> 1.4	<small>(1.22-2.42)</small> 13.0	<small>(2.43-4.85)</small> 53.5	<small>(4.86-7.27)</small> 25.3	<small>(>7.27)</small> 7.0
Magnesium (Mg), ppm	162	99					
Mg, % Base Saturation	18.1	6.1	<small>(<5)</small> 1.5	<small>(5-10)</small> 6.8	<small>(10-15)</small> 23.6	<small>(15-25)</small> 55.6	<small>(25+)</small> 12.5
Calcium (Ca), ppm	992	841					
Ca, % Base Saturation	61.2	14.8	<small>(<45)</small> 12.1	<small>(45-55)</small> 18.1	<small>(55-75)</small> 53.5	<small>(75-85)</small> 13.1	<small>(85+)</small> 3.1
pH (1:1)	6.4	0.7	<small>(<5.1)</small> 3.7	<small>(5.1-5.8)</small> 14.1	<small>(5.9-6.0)</small> 59.9	<small>(7.0-7.5)</small> 18.4	<small>(>7.5)</small> 3.9
CEC, meq/100g	7.7	4.8	<small>(<3.1)</small> 5.2	<small>(3.1-8.0)</small> 59.5	<small>(8.1-15.0)</small> 29.1	<small>(15.1-25.0)</small> 5.2	<small>(>25.0)</small> 1.0
Sulfur (S), ppm	10	22.3	<small>(<4)</small> 1.5	<small>(4-7)</small> 46.5	<small>(8-12)</small> 36.9	<small>(13-17)</small> 7.3	<small>(>17)</small> 7.8
Zinc (Zn), ppm	4.9	4.9	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 38.0	<small>(3.0-4.9)</small> 32.9	<small>(5.0-10.0)</small> 22.2	<small>(>10.0)</small> 7.0
Manganese (Mn), ppm	35	16	<small>(<6)</small> 6.6	<small>(6-14)</small> 7.9	<small>(15-19)</small> 9.9	<small>(20-49)</small> 59.9	<small>(>49)</small> 15.7
Iron (Fe), ppm	42	25		<small>(<5)</small> 0.2	<small>(5-9)</small> 0.7	<small>(10-50)</small> 73.8	<small>(>50)</small> 25.3
Copper (Cu), ppm	1.6	1.8		<small>(<0.4)</small> 0.5	<small>(0.4-1.1)</small> 52.2	<small>(1.2-3.0)</small> 37.5	<small>(>3.0)</small> 9.9
Boron (B), ppm	0.4	0.3	<small>(<0.4)</small> 67.7	<small>(0.4-0.5)</small> 16.8	<small>(0.6-1.2)</small> 13.5	<small>(1.3-2.5)</small> 1.7	<small>(>2.5)</small> 0.3
Nitrate (NO ₃ -N), ppm	22.3	31.1	<small>(<5)</small> 20.6	<small>(5-9)</small> 9.4	<small>(10-19)</small> 32.8	<small>(20-39)</small> 21.1	<small>(>39)</small> 16.1
Ammonium (NH ₄ -N), ppm	8.4	14.1	<small>(<5)</small> 37.9	<small>(5-9)</small> 48.3	<small>(10-19)</small> 6.9	<small>(20-39)</small> 3.4	<small>(>39)</small> 3.4