

Southwest 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	4.6	<small>(<1.0)</small> 2.8	<small>(1.0-2.5)</small> 70.9	<small>(2.5-5.0)</small> 22.3	<small>(5.0-7.0)</small> 1.7	<small>(7.0+)</small> 2.4
Phosphorus (P1), ppm	73	104	<small>(<10)</small> 3.2	<small>(10-20)</small> 11.7	<small>(20-30)</small> 15.3	<small>(30-50)</small> 25.3	<small>(50+)</small> 44.6
Phosphorus (P2), ppm	77	105	<small>(<14)</small> 3.1	<small>(14-29)</small> 28.1	<small>(29-44)</small> 21.9	<small>(44-74)</small> 12.5	<small>(74+)</small> 34.4
Potassium (K), ppm	122	62					
K, % Base Saturation	4.8	2.4	<small>(<1.26)</small> 2.1	<small>(1.26-2.49)</small> 13.5	<small>(2.50-4.98)</small> 51.5	<small>(4.99-7.47)</small> 26.4	<small>(>7.47)</small> 7.0
Magnesium (Mg), ppm	143	90					
Mg, % Base Saturation	16.8	6.4	<small>(<5)</small> 4.5	<small>(5-10)</small> 9.5	<small>(10-15)</small> 24.6	<small>(15-25)</small> 52.3	<small>(25+)</small> 9.2
Calcium (Ca), ppm	943	789					
Ca, % Base Saturation	61.9	16.2	<small>(<45)</small> 10.8	<small>(45-55)</small> 15.5	<small>(55-75)</small> 55.2	<small>(75-85)</small> 14.5	<small>(85+)</small> 4.0
pH (1:1)	6.4	0.7	<small>(<5.1)</small> 6.0	<small>(5.1-5.8)</small> 11.3	<small>(5.9-6.9)</small> 60.2	<small>(7.0-7.5)</small> 19.5	<small>(>7.5)</small> 2.9
CEC, meq/100g	7.4	4.5	<small>(<3.1)</small> 3.6	<small>(3.1-8.0)</small> 65.8	<small>(8.1-15.0)</small> 26.0	<small>(15.1-25.0)</small> 3.8	<small>(>25.0)</small> 0.9
Sulfur (S), ppm	10	11.4	<small>(<4)</small> 1.7	<small>(4-7)</small> 47.5	<small>(8-12)</small> 34.7	<small>(13-17)</small> 7.2	<small>(>17)</small> 8.9
Zinc (Zn), ppm	4.0	4.3	<small>(<1.0)</small> 49.7	<small>(1.1-2.9)</small> 29.8	<small>(3.0-4.9)</small> 16.3	<small>(5.0-10.0)</small> 4.2	<small>(>10.0)</small>
Manganese (Mn), ppm	37	21	<small>(<6)</small> 9.6	<small>(6-14)</small> 10.6	<small>(15-19)</small> 7.4	<small>(20-49)</small> 46.9	<small>(>49)</small> 25.5
Iron (Fe), ppm	56	34		<small>(<5)</small> 0.2	<small>(5-9)</small> 0.4	<small>(10-50)</small> 55.2	<small>(>50)</small> 44.1
Copper (Cu), ppm	1.6	1.7		<small>(<0.4)</small> 0.7	<small>(0.4-1.1)</small> 55.1	<small>(1.2-3.0)</small> 35.7	<small>(>3.0)</small> 8.5
Boron (B), ppm	0.4	0.3	<small>(<0.4)</small> 66.0	<small>(0.4-0.5)</small> 20.7	<small>(0.6-1.2)</small> 11.2	<small>(1.3-2.5)</small> 1.9	<small>(>2.5)</small> 0.3
Nitrate (NO ₃ -N), ppm	18.1	11.0	<small>(<5)</small> 2.6	<small>(5-9)</small> 11.0	<small>(10-19)</small> 49.7	<small>(20-39)</small> 32.9	<small>(>39)</small> 3.9
Ammonium (NH ₄ -N), ppm	3.0	1.3	<small>(<5)</small> 72.5	<small>(5-9)</small> 27.5	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small>