



Southern Michigan

2021 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,%	2.9	4.5	<small>(<1.0)</small> 1.6	<small>(1.0-2.5)</small> 62.6	<small>(2.5-5.0)</small> 31.7	<small>(5.0-7.0)</small> 1.8	<small>(7.0+)</small> 2.3
Phosphorus (P1), ppm	54	54	<small>(<10)</small> 3.4	<small>(10-20)</small> 14.0	<small>(20-30)</small> 17.4	<small>(30-50)</small> 27.4	<small>(50+)</small> 37.8
Phosphorus (P2), ppm	68	65	<small>(<14)</small> 3.3	<small>(14-29)</small> 16.8	<small>(29-44)</small> 19.3	<small>(44-74)</small> 30.9	<small>(74+)</small> 29.7
Potassium (K), ppm	131	59					
K, % Base Saturation	4.4	2.2	<small>(<1.09)</small> 0.9	<small>(1.09-2.15)</small> 9.7	<small>(2.16-4.31)</small> 51.7	<small>(4.32-6.46)</small> 30.3	<small>(>6.46)</small> 7.4
Magnesium (Mg), ppm	176	97					
Mg, % Base Saturation	17.0	5.4	<small>(<5)</small> 2.0	<small>(5-10)</small> 7.0	<small>(10-15)</small> 26.3	<small>(15-25)</small> 58.7	<small>(25+)</small> 6.1
Calcium (Ca), ppm	1223	971					
Ca, % Base Saturation	66.8	13.5	<small>(<45)</small> 5.2	<small>(45-55)</small> 11.2	<small>(55-75)</small> 52.9	<small>(75-85)</small> 26.9	<small>(85+)</small> 3.8
pH (1:1)	6.7	0.7	<small>(<5.1)</small> 2.4	<small>(5.1-5.8)</small> 9.1	<small>(5.9-6.9)</small> 51.7	<small>(7.0-7.5)</small> 23.5	<small>(>7.5)</small> 13.2
CEC, meq/100g	8.9	5.2	<small>(<3.1)</small> 1.4	<small>(3.1-8.0)</small> 51.0	<small>(8.1-15.0)</small> 40.0	<small>(15.1-25.0)</small> 6.5	<small>(>25.0)</small> 1.1
Sulfur (S), ppm	9	8.0	<small>(<4)</small> 1.8	<small>(4-7)</small> 45.3	<small>(8-12)</small> 42.4	<small>(13-17)</small> 6.3	<small>(>17)</small> 4.2
Zinc (Zn), ppm	4.0	3.9	<small>(<1.0)</small> 46.8	<small>(1.1-2.9)</small> 31.0	<small>(3.0-4.9)</small> 18.7	<small>(5.0-10.0)</small> 3.5	<small>(>10.0)</small> 18.7
Manganese (Mn), ppm	39	14	<small>(<6)</small> 1.9	<small>(6-14)</small> 5.2	<small>(15-19)</small> 9.0	<small>(20-49)</small> 65.2	<small>(>49)</small> 18.7
Iron (Fe), ppm	40	22		<small>(<5)</small> 0.9	<small>(5-9)</small> 1.0	<small>(10-50)</small> 76.3	<small>(>50)</small> 21.9
Copper (Cu), ppm	1.7	1.5		<small>(<0.4)</small> 1.3	<small>(0.4-1.1)</small> 42.2	<small>(1.2-3.0)</small> 46.9	<small>(>3.0)</small> 9.6
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 43.7	<small>(0.4-0.5)</small> 24.1	<small>(0.6-1.2)</small> 26.7	<small>(1.3-2.5)</small> 5.3	<small>(>2.5)</small> 0.2
Nitrate (NO3-N), ppm	28.0	32.3	<small>(<5)</small> 18.4	<small>(5-9)</small> 26.4	<small>(10-19)</small> 17.8	<small>(20-39)</small> 8.6	<small>(>39)</small> 28.8
Ammonium (NH4-N), ppm	13.6	44.5	<small>(<5)</small> 29.6	<small>(5-9)</small> 47.0	<small>(10-19)</small> 9.6	<small>(20-39)</small> 3.5	<small>(>39)</small> 10.4