



Michigan

2023 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	4.3	<small>(<1.0)</small> 1.8	<small>(1.0-2.5)</small> 61.9	<small>(2.5-5.0)</small> 32.6	<small>(5.0-7.0)</small> 1.7	<small>(7.0+)</small> 2.0
Phosphorus (P1), ppm	55	51	<small>(<10)</small> 2.9	<small>(10-20)</small> 12.6	<small>(20-30)</small> 16.4	<small>(30-50)</small> 28.1	<small>(50+)</small> 40.0
Phosphorus (P2), ppm	87	66	<small>(<14)</small> 2.6	<small>(14-29)</small> 8.4	<small>(29-44)</small> 12.5	<small>(44-74)</small> 26.0	<small>(74+)</small> 50.4
Bicarbonate P, ppm	33	55	<small>(<5)</small>	<small>(5-15)</small> 18.8	<small>(15-25)</small> 47.0	<small>(25-45)</small> 28.2	<small>(45+)</small> 6.0
Potassium (K), ppm	137	66					
K, % Base Saturation	4.4	2.2	<small>(<1.07)</small> 1.5	<small>(1.07-2.11)</small> 8.7	<small>(2.12-4.22)</small> 49.7	<small>(4.23-6.33)</small> 31.2	<small>(6.33+)</small> 9.6
Magnesium (Mg), ppm	189	104					
Mg, % Base Saturation	17.7	5.0	<small>(<5)</small> 0.6	<small>(5-10)</small> 5.4	<small>(10-15)</small> 24.3	<small>(15-25)</small> 62.4	<small>(25+)</small> 7.2
Calcium (Ca), ppm	1274	1017					
Ca, % Base Saturation	67.1	12.1	<small>(<45)</small> 4.3	<small>(45-55)</small> 11.5	<small>(55-75)</small> 55.0	<small>(75-85)</small> 25.6	<small>(85+)</small> 3.6
pH (1:1)	6.7	0.7	<small>(<5.1)</small> 1.1	<small>(5.1-5.8)</small> 9.1	<small>(5.9-6.9)</small> 51.4	<small>(7.0-7.5)</small> 25.3	<small>(>7.5)</small> 13.1
CEC, meq/100g	9.1	5.4	<small>(<3.1)</small> 1.5	<small>(3.1-8.0)</small> 47.5	<small>(8.1-15.0)</small> 43.1	<small>(15.1-25.0)</small> 6.6	<small>(>25.0)</small> 1.2
Sulfur (S), ppm	10	17.0	<small>(<4)</small> 0.5	<small>(4-7)</small> 30.1	<small>(8-12)</small> 53.8	<small>(13-17)</small> 10.3	<small>(>17)</small> 5.4
Zinc (Zn), ppm	4.6	4.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 35.3	<small>(3.0-4.9)</small> 32.9	<small>(5.0-10.0)</small> 26.8	<small>(>10.0)</small> 5.0
Manganese (Mn), ppm	38	14	<small>(<6)</small> 1.2	<small>(6-14)</small> 6.0	<small>(15-19)</small> 12.3	<small>(20-49)</small> 63.8	<small>(>49)</small> 16.7
Iron (Fe), ppm	47	25		<small>(<5)</small> 0.3	<small>(5-9)</small> 0.4	<small>(10-50)</small> 66.6	<small>(>50)</small> 32.7
Copper (Cu), ppm	1.8	1.7		<small>(<0.4)</small> 2.3	<small>(0.4-1.1)</small> 40.9	<small>(1.2-3.0)</small> 44.6	<small>(>3.0)</small> 12.2
Boron (B), ppm	0.6	0.5	<small>(<0.4)</small> 35.4	<small>(0.4-0.5)</small> 23.4	<small>(0.6-1.2)</small> 32.7	<small>(1.3-2.5)</small> 8.1	<small>(>2.5)</small> 0.3
Nitrate (NO ₃ -N), ppm	41.2	90.0	<small>(<5)</small> 4.0	<small>(5-9)</small> 6.6	<small>(10-19)</small> 16.7	<small>(20-39)</small> 37.3	<small>(>39)</small> 35.5
Ammonium (NH ₄ -N), ppm	18.3	133.3	<small>(<5)</small> 41.9	<small>(5-9)</small> 45.6	<small>(10-19)</small> 7.3	<small>(20-39)</small> 2.3	<small>(>39)</small> 2.8