



Ohio

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,%	3.4	1.5	<small>(<1.0)</small> 0.2	<small>(1.0-2.5)</small> 21.0	<small>(2.5-5.0)</small> 73.7	<small>(5.0-7.0)</small> 4.4	<small>(7.0+)</small> 0.7
Phosphorus (P1), ppm	33	32	<small>(<10)</small> 8.6	<small>(10-20)</small> 27.2	<small>(20-30)</small> 24.4	<small>(30-50)</small> 24.6	<small>(50+)</small> 15.2
Phosphorus (P2), ppm	55	60	<small>(<14)</small> 5.0	<small>(14-29)</small> 21.3	<small>(29-44)</small> 22.9	<small>(44-74)</small> 32.4	<small>(74+)</small> 18.4
Bicarbonate P, ppm	14	8	<small>(<5)</small> 5.6	<small>(5-15)</small> 61.1	<small>(15-25)</small> 16.7	<small>(25-45)</small> 16.7	<small>(45+)</small>
Potassium (K), ppm	143	59					
K, % Base Saturation	3.1	1.4	<small>(<0.83)</small> 0.4	<small>(0.83-1.64)</small> 5.5	<small>(1.65-3.28)</small> 57.3	<small>(3.29-4.91)</small> 31.3	<small>(>4.91)</small> 5.8
Magnesium (Mg), ppm	299	132					
Mg, % Base Saturation	20.1	5.7	<small>(<5)</small> 0.3	<small>(5-10)</small> 2.0	<small>(10-15)</small> 15.9	<small>(15-25)</small> 63.6	<small>(25+)</small> 18.2
Calcium (Ca), ppm	1593	841					
Ca, % Base Saturation	62.8	10.6	<small>(<45)</small> 5.3	<small>(45-55)</small> 15.5	<small>(55-75)</small> 68.2	<small>(75-85)</small> 9.6	<small>(85+)</small> 1.4
pH (1:1)	6.4	0.6	<small>(<5.1)</small> 1.0	<small>(5.1-5.8)</small> 14.8	<small>(5.9-6.9)</small> 64.1	<small>(7.0-7.5)</small> 16.5	<small>(>7.5)</small> 3.6
CEC, meq/100g	12.5	4.7	<small>(<3.1)</small> 0.2	<small>(3.1-8.0)</small> 12.9	<small>(8.1-15.0)</small> 61.7	<small>(15.1-25.0)</small> 24.4	<small>(>25.0)</small> 0.8
Sulfur (S), ppm	10	30.8	<small>(<4)</small> 0.8	<small>(4-7)</small> 41.9	<small>(8-12)</small> 48.8	<small>(13-17)</small> 5.7	<small>(>17)</small> 2.8
Zinc (Zn), ppm	3.1	2.9	<small>(<1.0)</small> 	<small>(1.1-2.9)</small> 64.9	<small>(3.0-4.9)</small> 26.3	<small>(5.0-10.0)</small> 7.3	<small>(>10.0)</small> 1.4
Manganese (Mn), ppm	33	16	<small>(<6)</small> 0.7	<small>(6-14)</small> 12.4	<small>(15-19)</small> 23.7	<small>(20-49)</small> 49.5	<small>(>49)</small> 13.8
Iron (Fe), ppm	61	27		<small>(<5)</small> 	<small>(5-9)</small> 0.1	<small>(10-50)</small> 40.3	<small>(>50)</small> 59.5
Copper (Cu), ppm	2.4	1.2		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 12.3	<small>(1.2-3.0)</small> 61.0	<small>(>3.0)</small> 26.4
Boron (B), ppm	0.6	0.5	<small>(<0.4)</small> 27.6	<small>(0.4-0.5)</small> 25.1	<small>(0.6-1.2)</small> 42.8	<small>(1.3-2.5)</small> 4.2	<small>(>2.5)</small> 0.4
Nitrate (NO ₃ -N), ppm	24.8	21.6	<small>(<5)</small> 6.0	<small>(5-9)</small> 15.2	<small>(10-19)</small> 30.2	<small>(20-39)</small> 28.6	<small>(>39)</small> 19.9
Ammonium (NH ₄ -N), ppm	7.1	8.4	<small>(<5)</small> 16.8	<small>(5-9)</small> 62.8	<small>(10-19)</small> 13.1	<small>(20-39)</small> 3.6	<small>(>39)</small> 3.6