



Northeast Ohio

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,%	3.5	3.5	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 23.8	<small>(2.5-5.0)</small> 69.4	<small>(5.0-7.0)</small> 5.1	<small>(7.0+)</small> 1.6
Phosphorus (P1), ppm	31	35	<small>(<10)</small> 11.4	<small>(10-20)</small> 28.7	<small>(20-30)</small> 22.9	<small>(30-50)</small> 23.3	<small>(50+)</small> 13.7
Phosphorus (P2), ppm	49	47	<small>(<14)</small> 11.8	<small>(14-29)</small> 27.4	<small>(29-44)</small> 21.3	<small>(44-74)</small> 23.6	<small>(74+)</small> 15.9
Bicarbonate P, ppm	270		<small>(<5)</small>	<small>(5-15)</small>	<small>(15-25)</small>	<small>(25-45)</small>	<small>(45+)</small> 100.0
Potassium (K), ppm	132	83					
K, % Base Saturation	3.3	1.5	<small>(<0.92)</small> 0.2	<small>(0.92-1.81)</small> 8.6	<small>(1.82-3.63)</small> 59.7	<small>(3.64-5.44)</small> 26.1	<small>(5.44+)</small> 5.3
Magnesium (Mg), ppm	266	114					
Mg, % Base Saturation	20.5	5.9	<small>(<5)</small> 0.4	<small>(5-10)</small> 2.5	<small>(10-15)</small> 13.4	<small>(15-25)</small> 62.9	<small>(25+)</small> 20.7
Calcium (Ca), ppm	1380	774					
Ca, % Base Saturation	61.8	10.8	<small>(<45)</small> 6.3	<small>(45-55)</small> 17.9	<small>(55-75)</small> 65.6	<small>(75-85)</small> 8.6	<small>(85+)</small> 1.6
pH (1:1)	6.4	0.6	<small>(<5.1)</small> 1.1	<small>(5.1-5.8)</small> 15.2	<small>(5.9-6.9)</small> 66.2	<small>(7.0-7.5)</small> 15.4	<small>(>7.5)</small> 2.1
CEC, meq/100g	11.0	4.4	<small>(<3.1)</small> 0.1	<small>(3.1-8.0)</small> 22.0	<small>(8.1-15.0)</small> 65.0	<small>(15.1-25.0)</small> 12.2	<small>(>25.0)</small> 0.8
Sulfur (S), ppm	9	30.4	<small>(<4)</small> 2.6	<small>(4-7)</small> 49.5	<small>(8-12)</small> 42.2	<small>(13-17)</small> 3.7	<small>(>17)</small> 2.0
Zinc (Zn), ppm	2.8	3.7	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 71.7	<small>(3.0-4.9)</small> 22.4	<small>(5.0-10.0)</small> 5.2	<small>(>10.0)</small> 0.8
Manganese (Mn), ppm	36	15	<small>(<6)</small> 0.9	<small>(6-14)</small> 8.3	<small>(15-19)</small> 17.1	<small>(20-49)</small> 57.7	<small>(>49)</small> 16.1
Iron (Fe), ppm	49	28		<small>(<5)</small> 0.2	<small>(5-9)</small> 0.9	<small>(10-50)</small> 63.4	<small>(>50)</small> 35.5
Copper (Cu), ppm	1.7	1.1		<small>(<0.4)</small> 0.1	<small>(0.4-1.1)</small> 30.5	<small>(1.2-3.0)</small> 62.6	<small>(>3.0)</small> 6.8
Boron (B), ppm	0.5	0.3	<small>(<0.4)</small> 41.9	<small>(0.4-0.5)</small> 26.8	<small>(0.6-1.2)</small> 28.7	<small>(1.3-2.5)</small> 2.5	<small>(>2.5)</small> 0.1
Nitrate (NO3-N), ppm	7.0	1.9	<small>(<5)</small>	<small>(5-9)</small> 75.0	<small>(10-19)</small> 25.0	<small>(20-39)</small>	<small>(>39)</small>
Ammonium (NH4-N), ppm	2.2	0.5	<small>(<5)</small> 100.0	<small>(5-9)</small>	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small>