



Northern Illinois

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,%	4.0	1.8	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 12.1	<small>(2.5-5.0)</small> 67.0	<small>(5.0-7.0)</small> 17.5	<small>(7.0+)</small> 3.3
Phosphorus (P1), ppm	41	33	<small>(<10)</small> 2.2	<small>(10-20)</small> 13.1	<small>(20-30)</small> 23.3	<small>(30-50)</small> 37.0	<small>(50+)</small> 24.4
Phosphorus (P2), ppm	65	60	<small>(<14)</small> 0.4	<small>(14-29)</small> 11.4	<small>(29-44)</small> 29.3	<small>(44-74)</small> 34.7	<small>(74+)</small> 24.3
Potassium (K), ppm	189	78					
K, % Base Saturation	3.5	1.7	<small>(<0.72)</small> 0.1	<small>(0.72-1.43)</small> 2.0	<small>(1.44-2.86)</small> 35.3	<small>(2.87-4.29)</small> 41.7	<small>(>4.29)</small> 20.9
Magnesium (Mg), ppm	478	169					
Mg, % Base Saturation	27.2	6.6	<small>(<5)</small> 0.2	<small>(5-10)</small> 1.2	<small>(10-15)</small> 3.5	<small>(15-25)</small> 28.8	<small>(25+)</small> 66.2
Calcium (Ca), ppm	1751	1014					
Ca, % Base Saturation	57.3	9.5	<small>(<45)</small> 7.4	<small>(45-55)</small> 34.0	<small>(55-75)</small> 54.0	<small>(75-85)</small> 3.1	<small>(85+)</small> 1.4
pH (1:1)	6.5	0.6	<small>(<5.1)</small> 0.8	<small>(5.1-5.8)</small> 10.1	<small>(5.9-6.9)</small> 69.5	<small>(7.0-7.5)</small> 16.0	<small>(>7.5)</small> 3.6
CEC, meq/100g	15.0	5.6	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 4.5	<small>(8.1-15.0)</small> 54.9	<small>(15.1-25.0)</small> 37.1	<small>(>25.0)</small> 3.5
Sulfur (S), ppm	8	5.9	<small>(<4)</small> 3.8	<small>(4-7)</small> 53.4	<small>(8-12)</small> 36.4	<small>(13-17)</small> 4.7	<small>(>17)</small> 1.7
Zinc (Zn), ppm	3.9	3.5	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 48.0	<small>(3.0-4.9)</small> 34.4	<small>(5.0-10.0)</small> 14.1	<small>(>10.0)</small> 3.5
Manganese (Mn), ppm	42	14	<small>(<6)</small> 0.6	<small>(6-14)</small> 2.8	<small>(15-19)</small> 6.7	<small>(20-49)</small> 66.7	<small>(>49)</small> 23.2
Iron (Fe), ppm	34	22		<small>(<5)</small> 1.9	<small>(5-9)</small> 2.0	<small>(10-50)</small> 80.6	<small>(>50)</small> 15.4
Copper (Cu), ppm	1.5	0.8		<small>(<0.4)</small> 0.3	<small>(0.4-1.1)</small> 37.1	<small>(1.2-3.0)</small> 59.0	<small>(>3.0)</small> 3.7
Boron (B), ppm	0.6	0.4	<small>(<0.4)</small> 30.8	<small>(0.4-0.5)</small> 31.1	<small>(0.6-1.2)</small> 31.8	<small>(1.3-2.5)</small> 5.8	<small>(>2.5)</small> 0.6
Nitrate (NO3-N), ppm	12.8	17.8	<small>(<5)</small> 28.2	<small>(5-9)</small> 43.5	<small>(10-19)</small> 11.8	<small>(20-39)</small> 7.1	<small>(>39)</small> 9.4
Ammonium (NH4-N), ppm	105.7	197.4	<small>(<5)</small> 45.5	<small>(5-9)</small> 9.1	<small>(10-19)</small>	<small>(20-39)</small> 18.2	<small>(>39)</small> 27.3