



# Northern Illinois

## 2022 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	1.6	<small>(&lt;1.0)</small> 0.1	<small>(1.0-2.5)</small> 11.1	<small>(2.5-5.0)</small> 69.4	<small>(5.0-7.0)</small> 16.7	<small>(7.0+)</small> 2.6
Phosphorus (P1), ppm	40	35	<small>(&lt;10)</small> 2.5	<small>(10-20)</small> 15.2	<small>(20-30)</small> 25.0	<small>(30-50)</small> 35.2	<small>(50+)</small> 22.1
Phosphorus (P2), ppm	65	57	<small>(&lt;14)</small> 4.8	<small>(14-29)</small> 17.5	<small>(29-44)</small> 23.7	<small>(44-74)</small> 26.5	<small>(74+)</small> 27.6
Bicarbonate P, ppm	7	2	<small>(&lt;5)</small> 28.6	<small>(5-15)</small> 71.4	<small>(15-25)</small>	<small>(25-45)</small>	<small>(45+)</small>
Potassium (K), ppm	183	75					
K, % Base Saturation	3.4	1.6	<small>(&lt;0.72)</small>	<small>(0.72-1.43)</small> 1.9	<small>(1.44-2.86)</small> 38.8	<small>(2.87-4.29)</small> 40.5	<small>(&gt;4.29)</small> 18.8
Magnesium (Mg), ppm	457	160					
Mg, % Base Saturation	26.0	6.7	<small>(&lt;5)</small> 0.1	<small>(5-10)</small> 1.0	<small>(10-15)</small> 5.5	<small>(15-25)</small> 34.7	<small>(25+)</small> 58.6
Calcium (Ca), ppm	1757	835					
Ca, % Base Saturation	57.9	9.5	<small>(&lt;45)</small> 7.0	<small>(45-55)</small> 32.4	<small>(55-75)</small> 55.5	<small>(75-85)</small> 4.0	<small>(85+)</small> 1.1
pH (1:1)	6.5	0.6	<small>(&lt;5.1)</small> 0.6	<small>(5.1-5.8)</small> 12.0	<small>(5.9-6.9)</small> 69.6	<small>(7.0-7.5)</small> 14.8	<small>(&gt;7.5)</small> 2.9
CEC, meq/100g	15.0	4.9	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 3.7	<small>(8.1-15.0)</small> 54.4	<small>(15.1-25.0)</small> 39.1	<small>(&gt;25.0)</small> 2.8
Sulfur (S), ppm	8	3.6	<small>(&lt;4)</small> 2.5	<small>(4-7)</small> 44.7	<small>(8-12)</small> 46.0	<small>(13-17)</small> 5.2	<small>(&gt;17)</small> 1.5
Zinc (Zn), ppm	3.6	3.1	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 53.3	<small>(3.0-4.9)</small> 32.5	<small>(5.0-10.0)</small> 12.0	<small>(&gt;10.0)</small> 2.3
Manganese (Mn), ppm	42	13	<small>(&lt;6)</small> 0.2	<small>(6-14)</small> 1.6	<small>(15-19)</small> 7.0	<small>(20-49)</small> 70.3	<small>(&gt;49)</small> 20.8
Iron (Fe), ppm	32	19		<small>(&lt;5)</small> 1.8	<small>(5-9)</small> 2.0	<small>(10-50)</small> 84.4	<small>(&gt;50)</small> 11.8
Copper (Cu), ppm	1.4	1.1		<small>(&lt;0.4)</small> 0.3	<small>(0.4-1.1)</small> 40.0	<small>(1.2-3.0)</small> 57.4	<small>(&gt;3.0)</small> 2.3
Boron (B), ppm	0.6	0.4	<small>(&lt;0.4)</small> 27.0	<small>(0.4-0.5)</small> 34.7	<small>(0.6-1.2)</small> 33.0	<small>(1.3-2.5)</small> 4.8	<small>(&gt;2.5)</small> 0.6
Nitrate (NO3-N), ppm	32.6	30.0	<small>(&lt;5)</small> 11.8	<small>(5-9)</small> 26.9	<small>(10-19)</small> 10.1	<small>(20-39)</small> 13.4	<small>(&gt;39)</small> 37.8
Ammonium (NH4-N), ppm	35.7	119.0	<small>(&lt;5)</small> 13.3	<small>(5-9)</small> 53.3	<small>(10-19)</small> 11.1	<small>(20-39)</small> 4.4	<small>(&gt;39)</small> 17.8