



# Northern Illinois

## 2020 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,%	4.1	1.9	<small>(&lt;1.0)</small> 0.2	<small>(1.0-2.5)</small> 11.1	<small>(2.5-5.0)</small> 66.6	<small>(5.0-7.0)</small> 18.6	<small>(7.0+)</small> 3.5
Phosphorus (P1), ppm	39	35	<small>(&lt;10)</small> 3.0	<small>(10-20)</small> 15.1	<small>(20-30)</small> 25.8	<small>(30-50)</small> 34.4	<small>(50+)</small> 21.5
Phosphorus (P2), ppm	57	36	<small>(&lt;14)</small> 0.5	<small>(14-29)</small> 11.9	<small>(29-44)</small> 30.5	<small>(44-74)</small> 36.1	<small>(74+)</small> 21.0
Bicarbonate P, ppm	15	12	<small>(&lt;5)</small> 14.3	<small>(5-15)</small> 50.9	<small>(15-25)</small> 18.0	<small>(25-45)</small> 14.3	<small>(45+)</small> 2.5
Potassium (K), ppm	172	73					
K, % Base Saturation	3.2	1.5	<small>(&lt;0.72)</small> 0.7	<small>(0.72-1.42)</small> 3.1	<small>(1.43-2.85)</small> 44.5	<small>(2.86-4.27)</small> 38.2	<small>(&gt;4.27)</small> 14.1
Magnesium (Mg), ppm	477	169					
Mg, % Base Saturation	27.3	7.1	<small>(&lt;5)</small> 0.4	<small>(5-10)</small> 1.3	<small>(10-15)</small> 3.7	<small>(15-25)</small> 29.1	<small>(25+)</small> 65.6
Calcium (Ca), ppm	1806	1184					
Ca, % Base Saturation	58.6	9.4	<small>(&lt;45)</small> 5.0	<small>(45-55)</small> 31.1	<small>(55-75)</small> 58.9	<small>(75-85)</small> 3.2	<small>(85+)</small> 1.9
pH (1:1)	6.6	0.5	<small>(&lt;5.1)</small> 0.3	<small>(5.1-5.8)</small> 8.5	<small>(5.9-6.9)</small> 70.0	<small>(7.0-7.5)</small> 17.6	<small>(&gt;7.5)</small> 3.6
CEC, meq/100g	15.0	6.1	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 4.8	<small>(8.1-15.0)</small> 53.8	<small>(15.1-25.0)</small> 38.2	<small>(&gt;25.0)</small> 3.2
Sulfur (S), ppm	8	5.5	<small>(&lt;4)</small> 3.6	<small>(4-7)</small> 55.9	<small>(8-12)</small> 36.7	<small>(13-17)</small> 2.7	<small>(&gt;17)</small> 1.1
Zinc (Zn), ppm	3.8	3.3	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 47.8	<small>(3.0-4.9)</small> 35.3	<small>(5.0-10.0)</small> 13.9	<small>(&gt;10.0)</small> 3.0
Manganese (Mn), ppm	41	14	<small>(&lt;6)</small> 0.9	<small>(6-14)</small> 3.6	<small>(15-19)</small> 6.8	<small>(20-49)</small> 67.7	<small>(&gt;49)</small> 21.0
Iron (Fe), ppm	36	24		<small>(&lt;5)</small> 1.9	<small>(5-9)</small> 2.2	<small>(10-50)</small> 78.7	<small>(&gt;50)</small> 17.2
Copper (Cu), ppm	1.4	0.7		<small>(&lt;0.4)</small> 0.2	<small>(0.4-1.1)</small> 35.8	<small>(1.2-3.0)</small> 62.0	<small>(&gt;3.0)</small> 2.0
Boron (B), ppm	0.6	0.4	<small>(&lt;0.4)</small> 35.7	<small>(0.4-0.5)</small> 29.2	<small>(0.6-1.2)</small> 28.9	<small>(1.3-2.5)</small> 5.5	<small>(&gt;2.5)</small> 0.8
Nitrate (NO <sub>3</sub> -N), ppm	18.3	14.2	<small>(&lt;5)</small> 2.4	<small>(5-9)</small> 19.4	<small>(10-19)</small> 47.8	<small>(20-39)</small> 21.8	<small>(&gt;39)</small> 8.6
Ammonium (NH <sub>4</sub> -N), ppm	6.5	14.7	<small>(&lt;5)</small> 20.2	<small>(5-9)</small> 71.5	<small>(10-19)</small> 4.9	<small>(20-39)</small> 1.7	<small>(&gt;39)</small> 1.7