

# Northern Illinois

## 2018 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>(&lt;1.0)</small> 0.2	<small>(1.0-2.5)</small> 12.5	<small>(2.5-5.0)</small> 66.9	<small>(5.0-7.0)</small> 17.0	<small>(7.0+)</small> 3.4
Phosphorus (P1), ppm	42	38	<small>(&lt;10)</small> 2.6	<small>(10-20)</small> 14.0	<small>(20-30)</small> 23.4	<small>(30-50)</small> 35.3	<small>(50+)</small> 24.7
Phosphorus (P2), ppm	51	37	<small>(&lt;14)</small> 4.0	<small>(14-29)</small> 22.4	<small>(29-44)</small> 28.6	<small>(44-74)</small> 27.9	<small>(74+)</small> 17.2
Bicarbonate P, ppm	15		<small>(&lt;5)</small>	<small>(5-15)</small> 100.0	<small>(15-25)</small>	<small>(25-45)</small>	<small>(45+)</small>
Potassium (K), ppm	186	79					
K, % Base Saturation	3.4	1.6	<small>(&lt;0.71)</small> 1.3	<small>(0.71-1.41)</small> 2.2	<small>(1.42-2.82)</small> 37.9	<small>(2.83-4.23)</small> 39.8	<small>(&gt;4.23)</small> 20.0
Magnesium (Mg), ppm	493	176					
Mg, % Base Saturation	27.7	6.9	<small>(&lt;5)</small> 0.3	<small>(5-10)</small> 1.3	<small>(10-15)</small> 3.8	<small>(15-25)</small> 26.0	<small>(25+)</small> 68.6
Calcium (Ca), ppm	1788	1092					
Ca, % Base Saturation	57.2	9.4	<small>(&lt;45)</small> 7.4	<small>(45-55)</small> 35.3	<small>(55-75)</small> 52.9	<small>(75-85)</small> 2.8	<small>(85+)</small> 1.6
pH (1:1)	6.5	0.5	<small>(&lt;5.1)</small> 0.3	<small>(5.1-5.8)</small> 10.0	<small>(5.9-6.0)</small> 70.4	<small>(7.0-7.5)</small> 16.7	<small>(&gt;7.5)</small> 2.7
CEC, meq/100g	15.2	5.9	<small>(&lt;3.1)</small> 0.1	<small>(3.1-8.0)</small> 4.4	<small>(8.1-15.0)</small> 52.5	<small>(15.1-25.0)</small> 38.7	<small>(&gt;25.0)</small> 4.3
Sulfur (S), ppm	8	6.0	<small>(&lt;4)</small> 1.0	<small>(4-7)</small> 48.0	<small>(8-12)</small> 45.4	<small>(13-17)</small> 4.7	<small>(&gt;17)</small> 0.9
Zinc (Zn), ppm	4.1	4.1	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 45.9	<small>(3.0-4.9)</small> 33.7	<small>(5.0-10.0)</small> 15.8	<small>(&gt;10.0)</small> 4.6
Manganese (Mn), ppm	44	15	<small>(&lt;6)</small> 0.7	<small>(6-14)</small> 2.3	<small>(15-19)</small> 6.2	<small>(20-49)</small> 62.1	<small>(&gt;49)</small> 28.8
Iron (Fe), ppm	37	22		<small>(&lt;5)</small> 2.1	<small>(5-9)</small> 1.6	<small>(10-50)</small> 78.0	<small>(&gt;50)</small> 18.3
Copper (Cu), ppm	1.6	1.2		<small>(&lt;0.4)</small> 0.1	<small>(0.4-1.1)</small> 33.3	<small>(1.2-3.0)</small> 62.0	<small>(&gt;3.0)</small> 4.6
Boron (B), ppm	0.6	0.6	<small>(&lt;0.4)</small> 30.5	<small>(0.4-0.5)</small> 30.2	<small>(0.6-1.2)</small> 31.3	<small>(1.3-2.5)</small> 6.9	<small>(&gt;2.5)</small> 1.1
Nitrate (NO <sub>3</sub> -N), ppm	21.7	25.6	<small>(&lt;5)</small> 14.9	<small>(5-9)</small> 26.1	<small>(10-19)</small> 22.0	<small>(20-39)</small> 20.7	<small>(&gt;39)</small> 16.2
Ammonium (NH <sub>4</sub> -N), ppm	5.3	9.4	<small>(&lt;5)</small> 65.9	<small>(5-9)</small> 27.4	<small>(10-19)</small> 3.2	<small>(20-39)</small> 2.1	<small>(&gt;39)</small> 1.4