

# Northwest Illinois

## 2019 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,%	3.9	2.0	<small>(&lt;1.0)</small> 0.2	<small>(1.0-2.5)</small> 13.7	<small>(2.5-5.0)</small> 67.9	<small>(5.0-7.0)</small> 15.3	<small>(7.0+)</small> 2.9
Phosphorus (P1), ppm	42	34	<small>(&lt;10)</small> 2.8	<small>(10-20)</small> 13.0	<small>(20-30)</small> 22.5	<small>(30-50)</small> 36.4	<small>(50+)</small> 25.3
Phosphorus (P2), ppm	52	33	<small>(&lt;14)</small> 2.0	<small>(14-29)</small> 16.3	<small>(29-44)</small> 31.8	<small>(44-74)</small> 35.4	<small>(74+)</small> 14.5
Potassium (K), ppm	183	75					
K, % Base Saturation	3.4	1.6	<small>(&lt;0.73)</small> 0.9	<small>(0.73-1.44)</small> 2.1	<small>(1.45-2.87)</small> 38.5	<small>(2.88-4.31)</small> 41.0	<small>(&gt;4.31)</small> 18.2
Magnesium (Mg), ppm	493	169					
Mg, % Base Saturation	28.3	6.6	<small>(&lt;5)</small> 0.3	<small>(5-10)</small> 0.9	<small>(10-15)</small> 2.7	<small>(15-25)</small> 23.1	<small>(25+)</small> 73.0
Calcium (Ca), ppm	1759	1113					
Ca, % Base Saturation	57.7	8.8	<small>(&lt;45)</small> 5.1	<small>(45-55)</small> 33.1	<small>(55-75)</small> 58.1	<small>(75-85)</small> 2.3	<small>(85+)</small> 1.4
pH (1:1)	6.6	0.5	<small>(&lt;5.1)</small> 0.3	<small>(5.1-5.8)</small> 6.9	<small>(5.9-6.9)</small> 72.4	<small>(7.0-7.5)</small> 17.7	<small>(&gt;7.5)</small> 2.7
CEC, meq/100g	14.9	5.8	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 4.9	<small>(8.1-15.0)</small> 55.5	<small>(15.1-25.0)</small> 36.4	<small>(&gt;25.0)</small> 3.1
Sulfur (S), ppm	7	3.7	<small>(&lt;4)</small> 3.6	<small>(4-7)</small> 64.0	<small>(8-12)</small> 30.7	<small>(13-17)</small> 1.5	<small>(&gt;17)</small> 0.3
Zinc (Zn), ppm	3.8	3.3	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 46.4	<small>(3.0-4.9)</small> 36.5	<small>(5.0-10.0)</small> 14.2	<small>(&gt;10.0)</small> 2.8
Manganese (Mn), ppm	44	14	<small>(&lt;6)</small> 0.9	<small>(6-14)</small> 2.4	<small>(15-19)</small> 4.8	<small>(20-49)</small> 63.6	<small>(&gt;49)</small> 28.3
Iron (Fe), ppm	39	25		<small>(&lt;5)</small> 2.0	<small>(5-9)</small> 1.9	<small>(10-50)</small> 75.6	<small>(&gt;50)</small> 20.5
Copper (Cu), ppm	1.4	0.9		<small>(&lt;0.4)</small> 0.2	<small>(0.4-1.1)</small> 35.8	<small>(1.2-3.0)</small> 61.2	<small>(&gt;3.0)</small> 2.7
Boron (B), ppm	0.6	0.4	<small>(&lt;0.4)</small> 36.2	<small>(0.4-0.5)</small> 28.8	<small>(0.6-1.2)</small> 28.1	<small>(1.3-2.5)</small> 6.2	<small>(&gt;2.5)</small> 0.7
Nitrate (NO <sub>3</sub> -N), ppm	21.5	13.8	<small>(&lt;5)</small> 1.4	<small>(5-9)</small> 15.3	<small>(10-19)</small> 34.8	<small>(20-39)</small> 38.2	<small>(&gt;39)</small> 10.3
Ammonium (NH <sub>4</sub> -N), ppm	5.9	6.1	<small>(&lt;5)</small> 43.2	<small>(5-9)</small> 43.2	<small>(10-19)</small> 9.5	<small>(20-39)</small> 2.7	<small>(&gt;39)</small> 1.4