

# Northwest Illinois

## 2017 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	2.0	<small>(&lt;1.0)</small> 0.1	<small>(1.0-2.5)</small> 12.7	<small>(2.5-5.0)</small> 64.8	<small>(5.0-7.0)</small> 18.1	<small>(7.0+)</small> 4.3
Phosphorus (P1), ppm	41	32	<small>(&lt;10)</small> 2.6	<small>(10-20)</small> 13.4	<small>(20-30)</small> 24.1	<small>(30-50)</small> 35.5	<small>(50+)</small> 24.4
Phosphorus (P2), ppm	58	46	<small>(&lt;14)</small> 2.1	<small>(14-29)</small> 19.9	<small>(29-44)</small> 24.1	<small>(44-74)</small> 31.2	<small>(74+)</small> 22.7
Potassium (K), ppm	183	79					
K, % Base Saturation	3.5	1.7	<small>(&lt;0.73)</small> 1.0	<small>(0.73-1.44)</small> 2.4	<small>(1.45-2.88)</small> 39.4	<small>(2.89-4.32)</small> 39.4	<small>(&gt;4.32)</small> 18.8
Magnesium (Mg), ppm	487	175					
Mg, % Base Saturation	28.0	7.1	<small>(&lt;5)</small> 0.2	<small>(5-10)</small> 1.4	<small>(10-15)</small> 3.7	<small>(15-25)</small> 25.4	<small>(25+)</small> 69.3
Calcium (Ca), ppm	1734	917					
Ca, % Base Saturation	57.4	9.1	<small>(&lt;45)</small> 6.7	<small>(45-55)</small> 32.9	<small>(55-75)</small> 56.4	<small>(75-85)</small> 2.8	<small>(85+)</small> 1.2
pH (1:1)	6.6	0.5	<small>(&lt;5.1)</small> 0.5	<small>(5.1-5.8)</small> 9.1	<small>(5.9-6.0)</small> 68.3	<small>(7.0-7.5)</small> 19.1	<small>(&gt;7.5)</small> 3.0
CEC, meq/100g	14.8	5.4	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 4.8	<small>(8.1-15.0)</small> 56.1	<small>(15.1-25.0)</small> 35.9	<small>(&gt;25.0)</small> 3.2
Sulfur (S), ppm	7	5.1	<small>(&lt;4)</small> 2.1	<small>(4-7)</small> 69.1	<small>(8-12)</small> 27.1	<small>(13-17)</small> 1.2	<small>(&gt;17)</small> 0.4
Zinc (Zn), ppm	3.5	4.6	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 56.8	<small>(3.0-4.9)</small> 28.5	<small>(5.0-10.0)</small> 12.0	<small>(&gt;10.0)</small> 2.7
Manganese (Mn), ppm	43	14	<small>(&lt;6)</small> 0.6	<small>(6-14)</small> 1.5	<small>(15-19)</small> 5.5	<small>(20-49)</small> 65.3	<small>(&gt;49)</small> 27.2
Iron (Fe), ppm	37	23		<small>(&lt;5)</small> 1.3	<small>(5-9)</small> 1.6	<small>(10-50)</small> 78.2	<small>(&gt;50)</small> 18.9
Copper (Cu), ppm	1.5	0.8		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small> 33.7	<small>(1.2-3.0)</small> 62.1	<small>(&gt;3.0)</small> 4.1
Boron (B), ppm	0.6	0.4	<small>(&lt;0.4)</small> 34.6	<small>(0.4-0.5)</small> 30.1	<small>(0.6-1.2)</small> 29.5	<small>(1.3-2.5)</small> 5.1	<small>(&gt;2.5)</small> 0.8
Nitrate (NO <sub>3</sub> -N), ppm	26.5	20.7	<small>(&lt;5)</small>	<small>(5-9)</small> 6.9	<small>(10-19)</small> 41.6	<small>(20-39)</small> 33.9	<small>(&gt;39)</small> 17.6
Ammonium (NH <sub>4</sub> -N), ppm	5.7	4.4	<small>(&lt;5)</small> 43.0	<small>(5-9)</small> 44.7	<small>(10-19)</small> 9.8	<small>(20-39)</small> 2.5	<small>(&gt;39)</small>