



Northwest Illinois

2016 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,%	4.3	2.6	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 11.0	<small>(2.5-5.0)</small> 63.7	<small>(5.0-7.0)</small> 19.8	<small>(7.0+)</small> 5.3
Phosphorus (P1), ppm	41	34	<small>(<10)</small> 2.8	<small>(10-20)</small> 13.9	<small>(20-30)</small> 24.1	<small>(30-50)</small> 35.2	<small>(50+)</small> 24.0
Phosphorus (P2), ppm	66	48	<small>(<14)</small> 1.6	<small>(14-29)</small> 11.2	<small>(29-44)</small> 24.8	<small>(44-74)</small> 33.7	<small>(74+)</small> 28.8
Potassium (K), ppm	188	81					
K, % Base Saturation	3.5	1.8	<small>(<0.71)</small> 1.2	<small>(0.71-1.39)</small> 3.1	<small>(1.40-2.78)</small> 35.9	<small>(2.79-4.18)</small> 40.1	<small>(>4.18)</small> 20.7
Magnesium (Mg), ppm	502	167					
Mg, % Base Saturation	28.3	7.0	<small>(<5)</small> 0.5	<small>(5-10)</small> 1.4	<small>(10-15)</small> 2.8	<small>(15-25)</small> 24.0	<small>(25+)</small> 71.4
Calcium (Ca), ppm	1850	1395					
Ca, % Base Saturation	57.5	9.7	<small>(<45)</small> 6.7	<small>(45-55)</small> 33.6	<small>(55-75)</small> 55.6	<small>(75-85)</small> 2.0	<small>(85+)</small> 2.2
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 0.6	<small>(5.1-5.8)</small> 9.3	<small>(5.9-6.0)</small> 64.6	<small>(7.0-7.5)</small> 20.3	<small>(>7.5)</small> 5.2
CEC, meq/100g	15.5	6.9	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 4.2	<small>(8.1-15.0)</small> 52.9	<small>(15.1-25.0)</small> 38.2	<small>(>25.0)</small> 4.7
Sulfur (S), ppm	7	7.7	<small>(<4)</small> 3.6	<small>(4-7)</small> 66.7	<small>(8-12)</small> 26.7	<small>(13-17)</small> 1.6	<small>(>17)</small> 1.4
Zinc (Zn), ppm	4.0	4.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 42.2	<small>(3.0-4.9)</small> 38.0	<small>(5.0-10.0)</small> 16.7	<small>(>10.0)</small> 3.1
Manganese (Mn), ppm	43	15	<small>(<6)</small> 1.4	<small>(6-14)</small> 2.6	<small>(15-19)</small> 6.6	<small>(20-49)</small> 62.7	<small>(>49)</small> 26.7
Iron (Fe), ppm	32	23		<small>(<5)</small> 3.9	<small>(5-9)</small> 3.4	<small>(10-50)</small> 78.5	<small>(>50)</small> 14.3
Copper (Cu), ppm	1.5	0.9		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 39.9	<small>(1.2-3.0)</small> 55.5	<small>(>3.0)</small> 4.4
Boron (B), ppm	0.6	0.6	<small>(<0.4)</small> 43.5	<small>(0.4-0.5)</small> 24.9	<small>(0.6-1.2)</small> 20.6	<small>(1.3-2.5)</small> 9.1	<small>(>2.5)</small> 1.9
Nitrate (NO ₃ -N), ppm	29.4	18.7	<small>(<5)</small> 0.1	<small>(5-9)</small> 1.4	<small>(10-19)</small> 28.6	<small>(20-39)</small> 49.5	<small>(>39)</small> 20.3
Ammonium (NH ₄ -N), ppm	7.0	10.2	<small>(<5)</small> 32.4	<small>(5-9)</small> 53.7	<small>(10-19)</small> 11.4	<small>(20-39)</small> 1.2	<small>(>39)</small> 1.3