

Northern 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> 10.8	<small>(2.5-5.0)</small> 63.3	<small>(5.0-7.0)</small> 20.4	<small>(7.0+)</small> 5.4
Phosphorus (P1), ppm	42	36	<small>(<10)</small> 2.8	<small>(10-20)</small> 13.7	<small>(20-30)</small> 24.0	<small>(30-50)</small> 35.4	<small>(50+)</small> 24.2
Phosphorus (P2), ppm	67	52	<small>(<14)</small> 1.6	<small>(14-29)</small> 11.4	<small>(29-44)</small> 24.7	<small>(44-74)</small> 33.3	<small>(74+)</small> 28.9
Potassium (K), ppm	188	80					
K, % Base Saturation	3.4	1.8	<small>(<0.70)</small> 2.1	<small>(0.70-1.39)</small> 3.1	<small>(1.40-2.77)</small> 35.6	<small>(2.78-4.16)</small> 40.8	<small>(>4.16)</small> 20.4
Magnesium (Mg), ppm	501	169					
Mg, % Base Saturation	28.0	7.1	<small>(<5)</small> 0.5	<small>(5-10)</small> 1.5	<small>(10-15)</small> 3.1	<small>(15-25)</small> 24.7	<small>(25+)</small> 70.2
Calcium (Ca), ppm	1870	1383					
Ca, % Base Saturation	57.7	9.8	<small>(<45)</small> 6.5	<small>(45-55)</small> 32.9	<small>(55-75)</small> 56.1	<small>(75-85)</small> 2.3	<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> 20.4	<small>(>7.5)</small> 5.2
CEC, meq/100g	15.6	6.9	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 4.1	<small>(8.1-15.0)</small> 51.7	<small>(15.1-25.0)</small> 39.4	<small>(>25.0)</small> 4.7
Sulfur (S), ppm	7	7.7	<small>(<4)</small> 3.6	<small>(4-7)</small> 66.5	<small>(8-12)</small> 26.9	<small>(13-17)</small> 1.5	<small>(>17)</small> 1.4
Zinc (Zn), ppm	4.0	4.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 42.7	<small>(3.0-4.9)</small> 37.5	<small>(5.0-10.0)</small> 16.6	<small>(>10.0)</small> 3.2
Manganese (Mn), ppm	43	15	<small>(<6)</small> 1.4	<small>(6-14)</small> 2.7	<small>(15-19)</small> 6.6	<small>(20-49)</small> 62.8	<small>(>49)</small> 26.3
Iron (Fe), ppm	32	23		<small>(<5)</small> 3.9	<small>(5-9)</small> 3.4	<small>(10-50)</small> 78.3	<small>(>50)</small> 14.4
Copper (Cu), ppm	1.5	1.0		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 39.7	<small>(1.2-3.0)</small> 55.6	<small>(>3.0)</small> 4.5
Boron (B), ppm	0.6	0.6	<small>(<0.4)</small> 43.4	<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> 2.0
Nitrate (NO ₃ -N), ppm	24.3	18.0	<small>(<5)</small> 5.8	<small>(5-9)</small> 9.0	<small>(10-19)</small> 31.4	<small>(20-39)</small> 38.3	<small>(>39)</small> 15.5
Ammonium (NH ₄ -N), ppm	6.4	8.0	<small>(<5)</small> 38.7	<small>(5-9)</small> 48.3	<small>(10-19)</small> 10.6	<small>(20-39)</small> 1.8	<small>(>39)</small> 0.7