



Northwest Illinois

2020 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	1.9	<small>(<1.0)</small> 0.2	<small>(1.0-2.5)</small> 11.3	<small>(2.5-5.0)</small> 66.8	<small>(5.0-7.0)</small> 18.3	<small>(7.0+)</small> 3.4
Phosphorus (P1), ppm	39	33	<small>(<10)</small> 3.0	<small>(10-20)</small> 15.3	<small>(20-30)</small> 25.9	<small>(30-50)</small> 34.6	<small>(50+)</small> 21.2
Phosphorus (P2), ppm	56	33	<small>(<14)</small> 0.5	<small>(14-29)</small> 12.1	<small>(29-44)</small> 31.3	<small>(44-74)</small> 35.9	<small>(74+)</small> 20.2
Bicarbonate P, ppm	15	12	<small>(<5)</small> 14.4	<small>(5-15)</small> 50.6	<small>(15-25)</small> 18.1	<small>(25-45)</small> 14.4	<small>(45+)</small> 2.5
Potassium (K), ppm	172	71					
K, % Base Saturation	3.2	1.5	<small>(<0.72)</small> 0.5	<small>(0.72-1.43)</small> 3.0	<small>(1.44-2.86)</small> 44.3	<small>(2.87-4.28)</small> 38.2	<small>(>4.28)</small> 14.3
Magnesium (Mg), ppm	477	168					
Mg, % Base Saturation	27.4	7.0	<small>(<5)</small> 0.4	<small>(5-10)</small> 1.3	<small>(10-15)</small> 3.5	<small>(15-25)</small> 28.4	<small>(25+)</small> 66.4
Calcium (Ca), ppm	1796	1201					
Ca, % Base Saturation	58.4	9.3	<small>(<45)</small> 5.0	<small>(45-55)</small> 31.7	<small>(55-75)</small> 58.5	<small>(75-85)</small> 3.0	<small>(85+)</small> 1.9
pH (1:1)	6.6	0.5	<small>(<5.1)</small> 0.3	<small>(5.1-5.8)</small> 8.4	<small>(5.9-6.9)</small> 70.3	<small>(7.0-7.5)</small> 17.4	<small>(>7.5)</small> 3.6
CEC, meq/100g	15.0	6.2	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 4.9	<small>(8.1-15.0)</small> 54.4	<small>(15.1-25.0)</small> 37.4	<small>(>25.0)</small> 3.2
Sulfur (S), ppm	8	5.6	<small>(<4)</small> 3.6	<small>(4-7)</small> 55.5	<small>(8-12)</small> 36.9	<small>(13-17)</small> 2.8	<small>(>17)</small> 1.2
Zinc (Zn), ppm	3.8	3.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 47.2	<small>(3.0-4.9)</small> 35.5	<small>(5.0-10.0)</small> 14.2	<small>(>10.0)</small> 3.1
Manganese (Mn), ppm	41	14	<small>(<6)</small> 0.9	<small>(6-14)</small> 3.6	<small>(15-19)</small> 6.3	<small>(20-49)</small> 68.0	<small>(>49)</small> 21.2
Iron (Fe), ppm	36	24		<small>(<5)</small> 1.9	<small>(5-9)</small> 2.2	<small>(10-50)</small> 78.6	<small>(>50)</small> 17.3
Copper (Cu), ppm	1.4	0.7		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 36.3	<small>(1.2-3.0)</small> 61.5	<small>(>3.0)</small> 2.1
Boron (B), ppm	0.6	0.4	<small>(<0.4)</small> 35.6	<small>(0.4-0.5)</small> 29.3	<small>(0.6-1.2)</small> 28.7	<small>(1.3-2.5)</small> 5.5	<small>(>2.5)</small> 0.8
Nitrate (NO ₃ -N), ppm	17.5	13.3	<small>(<5)</small> 3.1	<small>(5-9)</small> 18.7	<small>(10-19)</small> 50.7	<small>(20-39)</small> 19.8	<small>(>39)</small> 7.6
Ammonium (NH ₄ -N), ppm	5.6	9.4	<small>(<5)</small> 18.1	<small>(5-9)</small> 75.1	<small>(10-19)</small> 4.5	<small>(20-39)</small> 1.4	<small>(>39)</small> 0.8