



Northwest Illinois

2022 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,%	4.0	1.6	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 11.3	<small>(2.5-5.0)</small> 69.6	<small>(5.0-7.0)</small> 16.4	<small>(7.0+)</small> 2.5
Phosphorus (P1), ppm	39	32	<small>(<10)</small> 2.4	<small>(10-20)</small> 15.1	<small>(20-30)</small> 25.2	<small>(30-50)</small> 35.4	<small>(50+)</small> 21.9
Phosphorus (P2), ppm	65	67	<small>(<14)</small>	<small>(14-29)</small> 15.6	<small>(29-44)</small> 31.3	<small>(44-74)</small> 35.9	<small>(74+)</small> 17.2
Bicarbonate P, ppm	11		<small>(<5)</small>	<small>(5-15)</small> 100.0	<small>(15-25)</small>	<small>(25-45)</small>	<small>(45+)</small>
Potassium (K), ppm	184	75					
K, % Base Saturation	3.4	1.6	<small>(<0.73)</small>	<small>(0.73-1.44)</small> 1.8	<small>(1.45-2.87)</small> 38.1	<small>(2.88-4.31)</small> 40.9	<small>(>4.31)</small> 19.2
Magnesium (Mg), ppm	458	159					
Mg, % Base Saturation	26.2	6.7	<small>(<5)</small> 0.1	<small>(5-10)</small> 0.9	<small>(10-15)</small> 5.1	<small>(15-25)</small> 33.8	<small>(25+)</small> 60.0
Calcium (Ca), ppm	1737	826					
Ca, % Base Saturation	57.7	9.4	<small>(<45)</small> 7.2	<small>(45-55)</small> 32.8	<small>(55-75)</small> 55.1	<small>(75-85)</small> 3.9	<small>(85+)</small> 1.0
pH (1:1)	6.5	0.5	<small>(<5.1)</small> 0.6	<small>(5.1-5.8)</small> 11.7	<small>(5.9-6.9)</small> 70.0	<small>(7.0-7.5)</small> 14.9	<small>(>7.5)</small> 2.8
CEC, meq/100g	14.8	4.9	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 3.8	<small>(8.1-15.0)</small> 55.4	<small>(15.1-25.0)</small> 38.2	<small>(>25.0)</small> 2.5
Sulfur (S), ppm	8	3.5	<small>(<4)</small> 2.4	<small>(4-7)</small> 44.6	<small>(8-12)</small> 46.0	<small>(13-17)</small> 5.5	<small>(>17)</small> 1.5
Zinc (Zn), ppm	3.6	3.2	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 51.2	<small>(3.0-4.9)</small> 34.0	<small>(5.0-10.0)</small> 12.5	<small>(>10.0)</small> 2.3
Manganese (Mn), ppm	42	13	<small>(<6)</small> 0.2	<small>(6-14)</small> 1.5	<small>(15-19)</small> 5.6	<small>(20-49)</small> 70.6	<small>(>49)</small> 22.1
Iron (Fe), ppm	32	19		<small>(<5)</small> 1.8	<small>(5-9)</small> 2.0	<small>(10-50)</small> 84.5	<small>(>50)</small> 11.7
Copper (Cu), ppm	1.4	1.1		<small>(<0.4)</small> 0.3	<small>(0.4-1.1)</small> 41.4	<small>(1.2-3.0)</small> 56.0	<small>(>3.0)</small> 2.4
Boron (B), ppm	0.6	0.4	<small>(<0.4)</small> 27.2	<small>(0.4-0.5)</small> 34.7	<small>(0.6-1.2)</small> 32.7	<small>(1.3-2.5)</small> 4.8	<small>(>2.5)</small> 0.6
Nitrate (NO3-N), ppm	35.3	30.5	<small>(<5)</small> 10.2	<small>(5-9)</small> 22.4	<small>(10-19)</small> 12.2	<small>(20-39)</small> 12.2	<small>(>39)</small> 42.9
Ammonium (NH4-N), ppm	8.3	8.8	<small>(<5)</small> 8.3	<small>(5-9)</small> 62.5	<small>(10-19)</small> 20.8	<small>(20-39)</small> 4.2	<small>(>39)</small> 4.2