



Illinois

2021 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,%	3.8	1.8	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 18.4	<small>(2.5-5.0)</small> 64.2	<small>(5.0-7.0)</small> 14.7	<small>(7.0+)</small> 2.6
Phosphorus (P1), ppm	39	32	<small>(<10)</small> 4.0	<small>(10-20)</small> 17.2	<small>(20-30)</small> 23.5	<small>(30-50)</small> 33.6	<small>(50+)</small> 21.6
Phosphorus (P2), ppm	66	63	<small>(<14)</small> 0.6	<small>(14-29)</small> 11.9	<small>(29-44)</small> 29.2	<small>(44-74)</small> 34.0	<small>(74+)</small> 24.3
Potassium (K), ppm	174	79					
K, % Base Saturation	3.4	1.6	<small>(<0.75)</small> 0.8	<small>(0.75-1.48)</small> 4.0	<small>(1.49-2.96)</small> 41.8	<small>(2.97-4.45)</small> 36.7	<small>(>4.45)</small> 17.3
Magnesium (Mg), ppm	419	197					
Mg, % Base Saturation	24.3	8.4	<small>(<5)</small> 0.3	<small>(5-10)</small> 5.9	<small>(10-15)</small> 11.7	<small>(15-25)</small> 29.7	<small>(25+)</small> 52.4
Calcium (Ca), ppm	1713	946					
Ca, % Base Saturation	59.8	10.9	<small>(<45)</small> 6.3	<small>(45-55)</small> 28.5	<small>(55-75)</small> 55.9	<small>(75-85)</small> 6.4	<small>(85+)</small> 2.9
pH (1:1)	6.5	0.6	<small>(<5.1)</small> 0.7	<small>(5.1-5.8)</small> 11.0	<small>(5.9-6.9)</small> 69.4	<small>(7.0-7.5)</small> 15.5	<small>(>7.5)</small> 3.3
CEC, meq/100g	14.2	5.6	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 8.3	<small>(8.1-15.0)</small> 55.7	<small>(15.1-25.0)</small> 33.1	<small>(>25.0)</small> 3.0
Sulfur (S), ppm	7	6.2	<small>(<4)</small> 4.7	<small>(4-7)</small> 56.9	<small>(8-12)</small> 33.5	<small>(13-17)</small> 3.5	<small>(>17)</small> 1.4
Zinc (Zn), ppm	3.4	3.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 59.0	<small>(3.0-4.9)</small> 27.1	<small>(5.0-10.0)</small> 10.9	<small>(>10.0)</small> 3.0
Manganese (Mn), ppm	43	16	<small>(<6)</small> 0.4	<small>(6-14)</small> 2.3	<small>(15-19)</small> 7.4	<small>(20-49)</small> 63.5	<small>(>49)</small> 26.4
Iron (Fe), ppm	38	24		<small>(<5)</small> 1.5	<small>(5-9)</small> 1.7	<small>(10-50)</small> 76.3	<small>(>50)</small> 20.5
Copper (Cu), ppm	1.5	0.8		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 36.6	<small>(1.2-3.0)</small> 60.0	<small>(>3.0)</small> 3.2
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 38.2	<small>(0.4-0.5)</small> 30.2	<small>(0.6-1.2)</small> 27.1	<small>(1.3-2.5)</small> 4.1	<small>(>2.5)</small> 0.4
Nitrate (NO ₃ -N), ppm	27.7	29.8	<small>(<5)</small> 5.2	<small>(5-9)</small> 14.5	<small>(10-19)</small> 30.2	<small>(20-39)</small> 32.1	<small>(>39)</small> 17.9
Ammonium (NH ₄ -N), ppm	19.5	36.6	<small>(<5)</small> 12.7	<small>(5-9)</small> 33.1	<small>(10-19)</small> 14.7	<small>(20-39)</small> 16.9	<small>(>39)</small> 22.5