



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,%	3.8	1.6	<small>(<1.0)</small> 0.3	<small>(1.0-2.5)</small> 16.3	<small>(2.5-5.0)</small> 66.7	<small>(5.0-7.0)</small> 14.6	<small>(7.0+)</small> 2.1
Phosphorus (P1), ppm	38	34	<small>(<10)</small> 4.0	<small>(10-20)</small> 18.0	<small>(20-30)</small> 24.9	<small>(30-50)</small> 33.0	<small>(50+)</small> 20.1
Phosphorus (P2), ppm	65	57	<small>(<14)</small> 4.8	<small>(14-29)</small> 17.5	<small>(29-44)</small> 23.7	<small>(44-74)</small> 26.5	<small>(74+)</small> 27.6
Bicarbonate P, ppm	8	5	<small>(<5)</small> 26.7	<small>(5-15)</small> 66.7	<small>(15-25)</small> 6.7	<small>(25-45)</small>	<small>(45+)</small>
Potassium (K), ppm	172	75					
K, % Base Saturation	3.3	1.5	<small>(<0.75)</small> 0.1	<small>(0.75-1.47)</small> 4.0	<small>(1.48-2.94)</small> 43.3	<small>(2.95-4.42)</small> 36.7	<small>(>4.42)</small> 15.9
Magnesium (Mg), ppm	409	184					
Mg, % Base Saturation	23.6	8.0	<small>(<5)</small> 0.2	<small>(5-10)</small> 4.8	<small>(10-15)</small> 13.0	<small>(15-25)</small> 34.6	<small>(25+)</small> 47.4
Calcium (Ca), ppm	1725	809					
Ca, % Base Saturation	59.8	10.5	<small>(<45)</small> 6.2	<small>(45-55)</small> 28.0	<small>(55-75)</small> 57.2	<small>(75-85)</small> 6.7	<small>(85+)</small> 2.0
pH (1:1)	6.4	0.6	<small>(<5.1)</small> 0.7	<small>(5.1-5.8)</small> 13.2	<small>(5.9-6.9)</small> 68.7	<small>(7.0-7.5)</small> 14.4	<small>(>7.5)</small> 2.9
CEC, meq/100g	14.4	5.1	<small>(<3.1)</small> 0.1	<small>(3.1-8.0)</small> 7.2	<small>(8.1-15.0)</small> 54.7	<small>(15.1-25.0)</small> 35.6	<small>(>25.0)</small> 2.5
Sulfur (S), ppm	8	7.4	<small>(<4)</small> 3.4	<small>(4-7)</small> 48.7	<small>(8-12)</small> 42.3	<small>(13-17)</small> 4.2	<small>(>17)</small> 1.3
Zinc (Zn), ppm	3.2	3.2	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 62.8	<small>(3.0-4.9)</small> 26.2	<small>(5.0-10.0)</small> 9.1	<small>(>10.0)</small> 2.0
Manganese (Mn), ppm	43	14	<small>(<6)</small> 0.2	<small>(6-14)</small> 1.3	<small>(15-19)</small> 7.5	<small>(20-49)</small> 65.8	<small>(>49)</small> 25.3
Iron (Fe), ppm	36	23		<small>(<5)</small> 1.4	<small>(5-9)</small> 1.7	<small>(10-50)</small> 78.7	<small>(>50)</small> 18.2
Copper (Cu), ppm	1.4	0.9		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 39.5	<small>(1.2-3.0)</small> 58.1	<small>(>3.0)</small> 2.2
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 31.7	<small>(0.4-0.5)</small> 32.7	<small>(0.6-1.2)</small> 31.3	<small>(1.3-2.5)</small> 4.0	<small>(>2.5)</small> 0.4
Nitrate (NO3-N), ppm	27.9	27.6	<small>(<5)</small> 10.0	<small>(5-9)</small> 26.3	<small>(10-19)</small> 21.9	<small>(20-39)</small> 12.5	<small>(>39)</small> 29.4
Ammonium (NH4-N), ppm	23.4	89.3	<small>(<5)</small> 12.2	<small>(5-9)</small> 56.1	<small>(10-19)</small> 12.2	<small>(20-39)</small> 6.1	<small>(>39)</small> 13.4