



State of 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,%	4.0	2.4	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 18.4	<small>(2.5-5.0)</small> 60.3	<small>(5.0-7.0)</small> 17.0	<small>(7.0+)</small> 4.2
Phosphorus (P1), ppm	39	34	<small>(<10)</small> 4.1	<small>(10-20)</small> 17.6	<small>(20-30)</small> 24.4	<small>(30-50)</small> 32.5	<small>(50+)</small> 21.4
Phosphorus (P2), ppm	66	51	<small>(<14)</small> 1.7	<small>(14-29)</small> 11.1	<small>(29-44)</small> 25.0	<small>(44-74)</small> 34.1	<small>(74+)</small> 28.0
Potassium (K), ppm	175	81					
K, % Base Saturation	3.3	1.7	<small>(<0.73)</small> 2.1	<small>(0.73-1.44)</small> 5.0	<small>(1.45-2.89)</small> 41.3	<small>(2.90-4.33)</small> 36.5	<small>(>4.33)</small> 17.0
Magnesium (Mg), ppm	433	203					
Mg, % Base Saturation	24.7	8.9	<small>(<5)</small> 0.4	<small>(5-10)</small> 6.5	<small>(10-15)</small> 12.3	<small>(15-25)</small> 26.4	<small>(25+)</small> 54.4
Calcium (Ca), ppm	1814	1254					
Ca, % Base Saturation	60.5	11.4	<small>(<45)</small> 5.6	<small>(45-55)</small> 26.9	<small>(55-75)</small> 56.7	<small>(75-85)</small> 6.6	<small>(85+)</small> 4.1
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 0.7	<small>(5.1-5.8)</small> 10.2	<small>(5.9-6.0)</small> 65.0	<small>(7.0-7.5)</small> 19.7	<small>(>7.5)</small> 4.5
CEC, meq/100g	14.7	6.6	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 8.4	<small>(8.1-15.0)</small> 52.3	<small>(15.1-25.0)</small> 35.4	<small>(>25.0)</small> 3.8
Sulfur (S), ppm	7	7.0	<small>(<4)</small> 3.0	<small>(4-7)</small> 61.7	<small>(8-12)</small> 32.4	<small>(13-17)</small> 1.5	<small>(>17)</small> 1.3
Zinc (Zn), ppm	3.6	3.9	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 52.7	<small>(3.0-4.9)</small> 31.7	<small>(5.0-10.0)</small> 12.9	<small>(>10.0)</small> 2.7
Manganese (Mn), ppm	42	15	<small>(<6)</small> 1.0	<small>(6-14)</small> 2.7	<small>(15-19)</small> 9.0	<small>(20-49)</small> 61.9	<small>(>49)</small> 25.3
Iron (Fe), ppm	33	23		<small>(<5)</small> 3.1	<small>(5-9)</small> 3.1	<small>(10-50)</small> 78.8	<small>(>50)</small> 15.0
Copper (Cu), ppm	1.5	0.9		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 37.0	<small>(1.2-3.0)</small> 59.4	<small>(>3.0)</small> 3.4
Boron (B), ppm	0.5	0.5	<small>(<0.4)</small> 47.2	<small>(0.4-0.5)</small> 24.9	<small>(0.6-1.2)</small> 19.8	<small>(1.3-2.5)</small> 6.8	<small>(>2.5)</small> 1.4
Nitrate (NO ₃ -N), ppm	21.9	17.8	<small>(<5)</small> 6.8	<small>(5-9)</small> 16.7	<small>(10-19)</small> 30.5	<small>(20-39)</small> 33.1	<small>(>39)</small> 12.9
Ammonium (NH ₄ -N), ppm	6.4	8.4	<small>(<5)</small> 41.0	<small>(5-9)</small> 45.4	<small>(10-19)</small> 10.6	<small>(20-39)</small> 2.2	<small>(>39)</small> 0.9