

State of Illinois

2017 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	2.0	<small><1.0</small> 0.1	<small>1.0-2.5</small> 20.9	<small>2.5-5.0</small> 60.4	<small>5.0-7.0</small> 15.1	<small>7.0+</small> 3.5
Phosphorus (P1), ppm	39	34	<small><10</small> 4.7	<small>10-20</small> 17.5	<small>20-30</small> 23.8	<small>30-50</small> 32.0	<small>50+</small> 21.9
Phosphorus (P2), ppm	58	47	<small><14</small> 2.7	<small>14-29</small> 19.4	<small>29-44</small> 25.7	<small>44-74</small> 31.0	<small>74+</small> 21.2
Bicarbonate P, ppm	17	19	<small><5</small> 50.0	<small>5-15</small> 16.7	<small>15-25</small>	<small>25-45</small> 25.0	<small>45+</small> 8.3
Potassium (K), ppm	170	81					
K, % Base Saturation	3.3	1.6	<small><0.75</small> 2.9	<small>0.75-1.48</small> 4.9	<small>1.49-2.95</small> 44.5	<small>2.96-4.43</small> 35.2	<small>>4.43</small> 15.2
Magnesium (Mg), ppm	415	209					
Mg, % Base Saturation	23.9	9.0	<small><5</small> 0.3	<small>5-10</small> 7.4	<small>10-15</small> 14.4	<small>15-25</small> 28.0	<small>25+</small> 50.0
Calcium (Ca), ppm	1742	888					
Ca, % Base Saturation	60.6	10.9	<small><45</small> 5.5	<small>45-55</small> 25.7	<small>55-75</small> 58.8	<small>75-85</small> 6.6	<small>85+</small> 3.4
pH (1:1)	6.5	0.6	<small><5.1</small> 0.6	<small>5.1-5.8</small> 11.3	<small>5.9-6.0</small> 67.3	<small>7.0-7.5</small> 17.8	<small>>7.5</small> 2.9
CEC, meq/100g	14.3	5.6	<small><3.1</small> 0.1	<small>3.1-8.0</small> 10.0	<small>8.1-15.0</small> 52.5	<small>15.1-25.0</small> 34.1	<small>>25.0</small> 3.3
Sulfur (S), ppm	8	50.7	<small><4</small> 1.7	<small>4-7</small> 67.6	<small>8-12</small> 27.9	<small>13-17</small> 1.5	<small>>17</small> 1.3
Zinc (Zn), ppm	3.3	4.6	<small><1.0</small>	<small>1.1-2.9</small> 64.6	<small>3.0-4.9</small> 24.0	<small>5.0-10.0</small> 8.9	<small>>10.0</small> 2.5
Manganese (Mn), ppm	43	15	<small><6</small> 0.4	<small>6-14</small> 1.5	<small>15-19</small> 8.2	<small>20-49</small> 63.0	<small>>49</small> 26.9
Iron (Fe), ppm	39	24		<small><5</small> 1.0	<small>5-9</small> 1.5	<small>10-50</small> 75.9	<small>>50</small> 21.6
Copper (Cu), ppm	1.5	0.9		<small><0.4</small>	<small>0.4-1.1</small> 30.2	<small>1.2-3.0</small> 66.3	<small>>3.0</small> 3.4
Boron (B), ppm	0.5	0.4	<small><0.4</small> 37.3	<small>0.4-0.5</small> 29.9	<small>0.6-1.2</small> 28.3	<small>1.3-2.5</small> 4.0	<small>>2.5</small> 0.6
Nitrate (NO ₃ -N), ppm	20.0	39.5	<small><5</small> 4.7	<small>5-9</small> 20.8	<small>10-19</small> 35.7	<small>20-39</small> 30.3	<small>>39</small> 8.5
Ammonium (NH ₄ -N), ppm	6.8	20.6	<small><5</small> 55.5	<small>5-9</small> 27.0	<small>10-19</small> 11.6	<small>20-39</small> 5.2	<small>>39</small> 0.7