

Northeast 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,%	4.5	1.5	<small><1.0</small> 0.3	<small>1.0-2.5</small> 7.8	<small>2.5-5.0</small> 59.6	<small>5.0-7.0</small> 26.8	<small>7.0+</small> 5.5
Phosphorus (P1), ppm	53	60	<small><10</small> 4.1	<small>10-20</small> 14.4	<small>20-30</small> 22.3	<small>30-50</small> 29.4	<small>50+</small> 29.9
Phosphorus (P2), ppm	102	97	<small><14</small> 3.5	<small>14-29</small> 10.4	<small>29-44</small> 16.5	<small>44-74</small> 24.3	<small>74+</small> 45.2
Bicarbonate P, ppm	17	20	<small><5</small> 54.5	<small>5-15</small> 9.1	<small>15-25</small>	<small>25-45</small> 27.3	<small>45+</small> 9.1
Potassium (K), ppm	178	83					
K, % Base Saturation	2.8	1.4	<small><0.66</small> 8.5	<small>0.66-1.30</small> 4.1	<small>1.31-2.60</small> 42.7	<small>2.61-3.89</small> 39.4	<small>>3.89</small> 13.5
Magnesium (Mg), ppm	492	186					
Mg, % Base Saturation	24.1	6.9	<small><5</small>	<small>5-10</small> 2.4	<small>10-15</small> 9.7	<small>15-25</small> 37.8	<small>25+</small> 50.0
Calcium (Ca), ppm	2086	869					
Ca, % Base Saturation	60.5	9.9	<small><45</small> 3.8	<small>45-55</small> 26.9	<small>55-75</small> 61.5	<small>75-85</small> 6.4	<small>85+</small> 1.5
pH (1:1)	6.5	0.6	<small><5.1</small> 0.6	<small>5.1-5.8</small> 11.8	<small>5.9-6.0</small> 66.2	<small>7.0-7.5</small> 17.7	<small>>7.5</small> 3.7
CEC, meq/100g	17.1	5.2	<small><3.1</small> 0.2	<small>3.1-8.0</small> 2.5	<small>8.1-15.0</small> 31.6	<small>15.1-25.0</small> 61.0	<small>>25.0</small> 4.7
Sulfur (S), ppm	7	3.6	<small><4</small> 0.7	<small>4-7</small> 67.1	<small>8-12</small> 29.9	<small>13-17</small> 0.7	<small>>17</small> 1.6
Zinc (Zn), ppm	3.5	6.5	<small><1.0</small>	<small>1.1-2.9</small> 77.9	<small>3.0-4.9</small> 9.7	<small>5.0-10.0</small> 7.9	<small>>10.0</small> 4.4
Manganese (Mn), ppm	33	12	<small><6</small>	<small>6-14</small> 5.4	<small>15-19</small> 28.4	<small>20-49</small> 57.0	<small>>49</small> 9.3
Iron (Fe), ppm	41	18		<small><5</small>	<small>5-9</small> 1.1	<small>10-50</small> 75.4	<small>>50</small> 23.6
Copper (Cu), ppm	1.9	1.8		<small><0.4</small>	<small>0.4-1.1</small> 12.9	<small>1.2-3.0</small> 81.4	<small>>3.0</small> 5.7
Boron (B), ppm	0.6	0.4	<small><0.4</small> 30.4	<small>0.4-0.5</small> 28.7	<small>0.6-1.2</small> 35.2	<small>1.3-2.5</small> 5.7	<small>>2.5</small>
Nitrate (NO ₃ -N), ppm	18.2	13.4	<small><5</small> 9.2	<small>5-9</small> 18.6	<small>10-19</small> 30.8	<small>20-39</small> 35.6	<small>>39</small> 5.8
Ammonium (NH ₄ -N), ppm	7.1	45.9	<small><5</small> 75.9	<small>5-9</small> 15.7	<small>10-19</small> 5.2	<small>20-39</small> 2.4	<small>>39</small> 0.8