



Northeast Illinois

2020 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,%	4.4	1.5	<small><1.0</small> 0.1	<small>1.0-2.5</small> 7.7	<small>2.5-5.0</small> 63.6	<small>5.0-7.0</small> 24.4	<small>7.0+</small> 4.3
Phosphorus (P1), ppm	47	53	<small><10</small> 3.1	<small>10-20</small> 12.1	<small>20-30</small> 23.5	<small>30-50</small> 31.0	<small>50+</small> 27.5
Phosphorus (P2), ppm	98	88	<small><14</small>	<small>14-29</small> 5.7	<small>29-44</small> 5.7	<small>44-74</small> 42.9	<small>74+</small> 45.7
Bicarbonate P, ppm	9		<small><5</small>	<small>5-15</small> 100.0	<small>15-25</small>	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	170	102					
K, % Base Saturation	2.6	1.4	<small><0.67</small> 3.5	<small>0.67-1.32</small> 4.5	<small>1.33-2.64</small> 47.0	<small>2.65-3.96</small> 37.9	<small>>3.96</small> 10.5
Magnesium (Mg), ppm	477	178					
Mg, % Base Saturation	23.4	6.6	<small><5</small> 0.3	<small>5-10</small> 1.8	<small>10-15</small> 6.8	<small>15-25</small> 40.0	<small>25+</small> 51.1
Calcium (Ca), ppm	1974	808					
Ca, % Base Saturation	62.1	10.1	<small><45</small> 4.2	<small>45-55</small> 20.7	<small>55-75</small> 66.0	<small>75-85</small> 7.1	<small>85+</small> 1.9
pH (1:1)	6.5	0.6	<small><5.1</small> 0.7	<small>5.1-5.8</small> 11.2	<small>5.9-6.9</small> 63.7	<small>7.0-7.5</small> 20.3	<small>>7.5</small> 4.1
CEC, meq/100g	16.7	5.0	<small><3.1</small>	<small>3.1-8.0</small> 2.7	<small>8.1-15.0</small> 44.3	<small>15.1-25.0</small> 50.3	<small>>25.0</small> 2.7
Sulfur (S), ppm	7	2.3	<small><4</small> 3.7	<small>4-7</small> 64.5	<small>8-12</small> 29.6	<small>13-17</small> 2.0	<small>>17</small> 0.1
Zinc (Zn), ppm	3.1	3.6	<small><1.0</small>	<small>1.1-2.9</small> 64.3	<small>3.0-4.9</small> 27.6	<small>5.0-10.0</small> 7.0	<small>>10.0</small> 1.1
Manganese (Mn), ppm	36	14	<small><6</small> 0.7	<small>6-14</small> 3.8	<small>15-19</small> 21.4	<small>20-49</small> 58.8	<small>>49</small> 15.2
Iron (Fe), ppm	35	22		<small><5</small> 1.2	<small>5-9</small> 2.0	<small>10-50</small> 81.4	<small>>50</small> 15.4
Copper (Cu), ppm	1.5	0.5		<small><0.4</small> 0.2	<small>0.4-1.1</small> 21.6	<small>1.2-3.0</small> 77.0	<small>>3.0</small> 1.2
Boron (B), ppm	0.5	0.4	<small><0.4</small> 37.0	<small>0.4-0.5</small> 25.6	<small>0.6-1.2</small> 33.1	<small>1.3-2.5</small> 4.1	<small>>2.5</small> 0.2
Nitrate (NO ₃ -N), ppm	20.9	16.6	<small><5</small>	<small>5-9</small> 21.6	<small>10-19</small> 38.7	<small>20-39</small> 27.9	<small>>39</small> 11.7
Ammonium (NH ₄ -N), ppm	11.6	31.2	<small><5</small> 32.8	<small>5-9</small> 50.0	<small>10-19</small> 6.9	<small>20-39</small> 3.4	<small>>39</small> 6.9