



Northern 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,%	4.1	1.9	<small><1.0</small> 0.1	<small>1.0-2.5</small> 12.3	<small>2.5-5.0</small> 64.4	<small>5.0-7.0</small> 18.8	<small>7.0+</small> 4.4
Phosphorus (P1), ppm	42	35	<small><10</small> 2.7	<small>10-20</small> 13.5	<small>20-30</small> 24.0	<small>30-50</small> 35.0	<small>50+</small> 24.8
Phosphorus (P2), ppm	61	51	<small><14</small> 2.2	<small>14-29</small> 19.4	<small>29-44</small> 23.7	<small>44-74</small> 30.8	<small>74+</small> 24.0
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	183	79					
K, % Base Saturation	3.4	1.7	<small><0.72</small> 1.6	<small>0.72-1.43</small> 2.5	<small>1.44-2.86</small> 39.6	<small>2.87-4.28</small> 39.4	<small>>4.28</small> 18.4
Magnesium (Mg), ppm	487	176					
Mg, % Base Saturation	27.7	7.2	<small><5</small> 0.2	<small>5-10</small> 1.4	<small>10-15</small> 4.2	<small>15-25</small> 26.3	<small>25+</small> 67.9
Calcium (Ca), ppm	1761	918					
Ca, % Base Saturation	57.7	9.2	<small><45</small> 6.5	<small>45-55</small> 32.5	<small>55-75</small> 56.8	<small>75-85</small> 3.0	<small>85+</small> 1.2
pH (1:1)	6.5	0.5	<small><5.1</small> 0.5	<small>5.1-5.8</small> 9.3	<small>5.9-6.0</small> 68.2	<small>7.0-7.5</small> 19.0	<small>>7.5</small> 3.1
CEC, meq/100g	15.0	5.4	<small><3.1</small> 0.1	<small>3.1-8.0</small> 4.6	<small>8.1-15.0</small> 54.3	<small>15.1-25.0</small> 37.8	<small>>25.0</small> 3.3
Sulfur (S), ppm	7	5.0	<small><4</small> 2.1	<small>4-7</small> 69.1	<small>8-12</small> 27.2	<small>13-17</small> 1.2	<small>>17</small> 0.4
Zinc (Zn), ppm	3.5	4.7	<small><1.0</small>	<small>1.1-2.9</small> 57.3	<small>3.0-4.9</small> 28.0	<small>5.0-10.0</small> 11.9	<small>>10.0</small> 2.8
Manganese (Mn), ppm	43	14	<small><6</small> 0.6	<small>6-14</small> 1.6	<small>15-19</small> 6.1	<small>20-49</small> 65.0	<small>>49</small> 26.7
Iron (Fe), ppm	37	22		<small><5</small> 1.3	<small>5-9</small> 1.6	<small>10-50</small> 78.1	<small>>50</small> 19.0
Copper (Cu), ppm	1.5	0.9		<small><0.4</small>	<small>0.4-1.1</small> 33.2	<small>1.2-3.0</small> 62.6	<small>>3.0</small> 4.1
Boron (B), ppm	0.6	0.4	<small><0.4</small> 34.5	<small>0.4-0.5</small> 30.0	<small>0.6-1.2</small> 29.7	<small>1.3-2.5</small> 5.1	<small>>2.5</small> 0.7
Nitrate (NO ₃ -N), ppm	23.0	18.5	<small><5</small> 3.9	<small>5-9</small> 11.9	<small>10-19</small> 37.1	<small>20-39</small> 34.6	<small>>39</small> 12.6
Ammonium (NH ₄ -N), ppm	6.3	29.7	<small><5</small> 56.5	<small>5-9</small> 32.7	<small>10-19</small> 7.9	<small>20-39</small> 2.5	<small>>39</small> 0.3