

Northwest Illinois

2018 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	1.8	<small><1.0</small> 0.2	<small>1.0-2.5</small> 12.8	<small>2.5-5.0</small> 67.1	<small>5.0-7.0</small> 16.6	<small>7.0+</small> 3.4
Phosphorus (P1), ppm	42	37	<small><10</small> 2.4	<small>10-20</small> 13.6	<small>20-30</small> 23.4	<small>30-50</small> 35.8	<small>50+</small> 24.8
Phosphorus (P2), ppm	51	37	<small><14</small> 4.0	<small>14-29</small> 22.4	<small>29-44</small> 28.5	<small>44-74</small> 27.9	<small>74+</small> 17.2
Bicarbonate P, ppm	15		<small><5</small>	<small>5-15</small> 100.0	<small>15-25</small>	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	188	79					
K, % Base Saturation	3.5	1.6	<small><0.72</small> 0.5	<small>0.72-1.42</small> 2.1	<small>1.43-2.84</small> 36.8	<small>2.85-4.26</small> 40.2	<small>>4.26</small> 20.9
Magnesium (Mg), ppm	496	174					
Mg, % Base Saturation	28.1	6.7	<small><5</small> 0.3	<small>5-10</small> 1.1	<small>10-15</small> 3.1	<small>15-25</small> 24.3	<small>25+</small> 71.2
Calcium (Ca), ppm	1754	1092					
Ca, % Base Saturation	56.6	9.1	<small><45</small> 7.8	<small>45-55</small> 36.7	<small>55-75</small> 51.9	<small>75-85</small> 2.0	<small>85+</small> 1.6
pH (1:1)	6.5	0.5	<small><5.1</small> 0.3	<small>5.1-5.8</small> 10.1	<small>5.9-6.0</small> 70.7	<small>7.0-7.5</small> 16.3	<small>>7.5</small> 2.5
CEC, meq/100g	15.1	5.9	<small><3.1</small> 0.1	<small>3.1-8.0</small> 4.5	<small>8.1-15.0</small> 54.0	<small>15.1-25.0</small> 37.4	<small>>25.0</small> 4.1
Sulfur (S), ppm	8	6.1	<small><4</small> 1.1	<small>4-7</small> 47.5	<small>8-12</small> 45.6	<small>13-17</small> 4.9	<small>>17</small> 0.9
Zinc (Zn), ppm	4.2	3.9	<small><1.0</small>	<small>1.1-2.9</small> 43.9	<small>3.0-4.9</small> 34.7	<small>5.0-10.0</small> 16.6	<small>>10.0</small> 4.7
Manganese (Mn), ppm	44	15	<small><6</small> 0.8	<small>6-14</small> 2.2	<small>15-19</small> 5.2	<small>20-49</small> 62.0	<small>>49</small> 29.8
Iron (Fe), ppm	37	22		<small><5</small> 2.2	<small>5-9</small> 1.6	<small>10-50</small> 77.7	<small>>50</small> 18.5
Copper (Cu), ppm	1.6	1.2		<small><0.4</small> 0.1	<small>0.4-1.1</small> 34.3	<small>1.2-3.0</small> 60.8	<small>>3.0</small> 4.8
Boron (B), ppm	0.6	0.6	<small><0.4</small> 30.9	<small>0.4-0.5</small> 30.4	<small>0.6-1.2</small> 30.3	<small>1.3-2.5</small> 7.1	<small>>2.5</small> 1.2
Nitrate (NO ₃ -N), ppm	38.2	28.3	<small><5</small>	<small>5-9</small> 6.0	<small>10-19</small> 14.9	<small>20-39</small> 42.8	<small>>39</small> 36.3
Ammonium (NH ₄ -N), ppm	7.8	13.9	<small><5</small> 44.3	<small>5-9</small> 43.2	<small>10-19</small> 5.1	<small>20-39</small> 4.5	<small>>39</small> 2.8