



# 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,%	3.8	1.8	<small>&lt;1.0</small> 0.2	<small>1.0-2.5</small> 18.1	<small>2.5-5.0</small> 63.5	<small>5.0-7.0</small> 15.4	<small>7.0+</small> 2.7
Phosphorus (P1), ppm	37	33	<small>&lt;10</small> 4.5	<small>10-20</small> 18.9	<small>20-30</small> 25.6	<small>30-50</small> 31.5	<small>50+</small> 19.3
Phosphorus (P2), ppm	50	38	<small>&lt;14</small> 6.0	<small>14-29</small> 23.0	<small>29-44</small> 25.2	<small>44-74</small> 28.5	<small>74+</small> 17.2
Bicarbonate P, ppm	15	12	<small>&lt;5</small> 13.9	<small>5-15</small> 51.2	<small>15-25</small> 18.7	<small>25-45</small> 13.9	<small>45+</small> 2.4
Potassium (K), ppm	160	73					
K, % Base Saturation	3.1	1.5	<small>&lt;0.75</small> 0.6	<small>0.75-1.49</small> 5.5	<small>1.50-2.97</small> 49.0	<small>2.98-4.46</small> 33.5	<small>&gt;4.46</small> 11.8
Magnesium (Mg), ppm	415	199					
Mg, % Base Saturation	24.2	8.7	<small>&lt;5</small> 0.4	<small>5-10</small> 6.3	<small>10-15</small> 12.0	<small>15-25</small> 29.7	<small>25+</small> 51.6
Calcium (Ca), ppm	1740	1090					
Ca, % Base Saturation	60.7	10.6	<small>&lt;45</small> 4.6	<small>45-55</small> 26.0	<small>55-75</small> 59.8	<small>75-85</small> 6.6	<small>85+</small> 3.1
pH (1:1)	6.5	0.5	<small>&lt;5.1</small> 0.4	<small>5.1-5.8</small> 10.0	<small>5.9-6.9</small> 69.8	<small>7.0-7.5</small> 16.5	<small>&gt;7.5</small> 3.3
CEC, meq/100g	14.2	6.0	<small>&lt;3.1</small>	<small>3.1-8.0</small> 9.7	<small>8.1-15.0</small> 54.1	<small>15.1-25.0</small> 33.4	<small>&gt;25.0</small> 2.7
Sulfur (S), ppm	7	8.6	<small>&lt;4</small> 4.3	<small>4-7</small> 59.6	<small>8-12</small> 32.9	<small>13-17</small> 2.2	<small>&gt;17</small> 1.0
Zinc (Zn), ppm	3.4	3.8	<small>&lt;1.0</small> 0.1	<small>1.1-2.9</small> 58.8	<small>3.0-4.9</small> 28.4	<small>5.0-10.0</small> 10.4	<small>&gt;10.0</small> 2.4
Manganese (Mn), ppm	42	15	<small>&lt;6</small> 0.6	<small>6-14</small> 2.8	<small>15-19</small> 8.7	<small>20-49</small> 64.2	<small>&gt;49</small> 23.7
Iron (Fe), ppm	38	25		<small>&lt;5</small> 1.5	<small>5-9</small> 1.9	<small>10-50</small> 76.0	<small>&gt;50</small> 20.6
Copper (Cu), ppm	1.4	0.7		<small>&lt;0.4</small> 0.1	<small>0.4-1.1</small> 36.0	<small>1.2-3.0</small> 62.3	<small>&gt;3.0</small> 1.6
Boron (B), ppm	0.5	0.7	<small>&lt;0.4</small> 42.2	<small>0.4-0.5</small> 28.4	<small>0.6-1.2</small> 25.1	<small>1.3-2.5</small> 3.8	<small>&gt;2.5</small> 0.5
Nitrate (NO <sub>3</sub> -N), ppm	16.8	13.0	<small>&lt;5</small> 6.3	<small>5-9</small> 21.2	<small>10-19</small> 43.9	<small>20-39</small> 21.9	<small>&gt;39</small> 6.6
Ammonium (NH <sub>4</sub> -N), ppm	5.4	10.3	<small>&lt;5</small> 30.0	<small>5-9</small> 59.8	<small>10-19</small> 6.8	<small>20-39</small> 2.5	<small>&gt;39</small> 0.9