

# Southern Wisconsin

## 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,%	3.5	3.2	<small>&lt;1.0</small> 2.6	<small>1.0-2.5</small> 29.8	<small>2.5-5.0</small> 56.0	<small>5.0-7.0</small> 8.4	<small>7.0+</small> 3.2
Phosphorus (P1), ppm	49	57	<small>&lt;10</small> 7.3	<small>10-20</small> 2.6	<small>20-30</small> 29.4	<small>30-50</small> 14.6	<small>50+</small> 31.2
Phosphorus (P2), ppm	68	68	<small>&lt;14</small> 3.5	<small>14-29</small> 23.9	<small>29-44</small> 23.9	<small>44-74</small> 17.7	<small>74+</small> 31.0
Bicarbonate P, ppm	71	29	<small>&lt;5</small>	<small>5-15</small>	<small>15-25</small>	<small>25-45</small> 33.3	<small>45+</small> 66.7
Potassium (K), ppm	141	71					
K, % Base Saturation	3.2	1.4	<small>&lt;0.74</small> 0.9	<small>0.74-1.46</small> 11.0	<small>1.47-2.92</small> 51.6	<small>2.93-4.37</small> 26.2	<small>&gt;4.37</small> 10.7
Magnesium (Mg), ppm	438	202					
Mg, % Base Saturation	28.9	6.3	<small>&lt;5</small> 0.3	<small>5-10</small> 1.4	<small>10-15</small> 2.7	<small>15-25</small> 15.4	<small>25+</small> 80.3
Calcium (Ca), ppm	1436	998					
Ca, % Base Saturation	59.5	8.5	<small>&lt;45</small> 5.2	<small>45-55</small> 13.1	<small>55-75</small> 78.8	<small>75-85</small> 2.3	<small>85+</small> 0.6
pH (1:1)	6.6	0.7	<small>&lt;5.1</small> 1.3	<small>5.1-5.8</small> 11.9	<small>5.9-6.9</small> 51.3	<small>7.0-7.5</small> 29.4	<small>&gt;7.5</small> 6.1
CEC, meq/100g	14.6	4.9	<small>&lt;3.1</small> 2.2	<small>3.1-8.0</small> 19.0	<small>8.1-15.0</small> 58.8	<small>15.1-25.0</small> 18.0	<small>&gt;25.0</small> 1.9
Sulfur (S), ppm	8	25.6	<small>&lt;4</small> 3.8	<small>4-7</small> 49.2	<small>8-12</small> 37.6	<small>13-17</small> 5.8	<small>&gt;17</small> 3.5
Zinc (Zn), ppm	4.5	3.4	<small>&lt;1.0</small>	<small>1.1-2.9</small> 30.7	<small>3.0-4.9</small> 41.4	<small>5.0-10.0</small> 24.2	<small>&gt;10.0</small> 3.7
Manganese (Mn), ppm	52	16	<small>&lt;6</small> 0.6	<small>6-14</small> 1.2	<small>15-19</small> 1.6	<small>20-49</small> 45.6	<small>&gt;49</small> 51.1
Iron (Fe), ppm	33	25		<small>&lt;5</small> 3.8	<small>5-9</small> 4.4	<small>10-50</small> 77.7	<small>&gt;50</small> 14.2
Copper (Cu), ppm	1.6	1.2		<small>&lt;0.4</small> 0.2	<small>0.4-1.1</small> 43.2	<small>1.2-3.0</small> 48.8	<small>&gt;3.0</small> 7.7
Boron (B), ppm	0.6	0.5	<small>&lt;0.4</small> 32.3	<small>0.4-0.5</small> 23.9	<small>0.6-1.2</small> 33.4	<small>1.3-2.5</small> 9.0	<small>&gt;2.5</small> 1.3
Nitrate (NO <sub>3</sub> -N), ppm	17.3	16.0	<small>&lt;5</small> 13.3	<small>5-9</small> 28.1	<small>10-19</small> 26.5	<small>20-39</small> 21.9	<small>&gt;39</small> 10.2