

Southern Wisconsin

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,%	3.5	4.0	<small><1.0</small> 2.0	<small>1.0-2.5</small> 29.5	<small>2.5-5.0</small> 58.7	<small>5.0-7.0</small> 6.7	<small>7.0+</small> 3.1
Phosphorus (P1), ppm	43	45	<small><10</small> 7.3	<small>10-20</small> 3.5	<small>20-30</small> 32.0	<small>30-50</small> 12.3	<small>50+</small> 27.2
Phosphorus (P2), ppm	139	89	<small><14</small>	<small>14-29</small> 3.7	<small>29-44</small> 13.0	<small>44-74</small> 13.0	<small>74+</small> 70.4
Bicarbonate P, ppm	27	2	<small><5</small>	<small>5-15</small>	<small>15-25</small> 50.0	<small>25-45</small> 50.0	<small>45+</small>
Potassium (K), ppm	140	73					
K, % Base Saturation	3.2	1.7	<small><0.79</small> 0.9	<small>0.79-1.57</small> 10.9	<small>1.58-3.13</small> 51.5	<small>3.14-4.70</small> 25.1	<small>>4.70</small> 11.8
Magnesium (Mg), ppm	449	189					
Mg, % Base Saturation	29.4	7.3	<small><5</small> 2.3	<small>5-10</small> 1.5	<small>10-15</small> 1.9	<small>15-25</small> 13.3	<small>25+</small> 81.0
Calcium (Ca), ppm	1437	901					
Ca, % Base Saturation	55.6	12.3	<small><45</small> 10.3	<small>45-55</small> 15.9	<small>55-75</small> 71.9	<small>75-85</small> 1.3	<small>85+</small> 0.6
pH (1:1)	6.7	0.6	<small><5.1</small> 0.6	<small>5.1-5.8</small> 9.7	<small>5.9-6.0</small> 52.2	<small>7.0-7.5</small> 30.4	<small>>7.5</small> 7.1
CEC, meq/100g	13.2	5.9	<small><3.1</small> 1.0	<small>3.1-8.0</small> 15.4	<small>8.1-15.0</small> 63.0	<small>15.1-25.0</small> 15.4	<small>>25.0</small> 5.2
Sulfur (S), ppm	7	4.0	<small><4</small> 0.7	<small>4-7</small> 64.6	<small>8-12</small> 31.3	<small>13-17</small> 2.1	<small>>17</small> 1.3
Zinc (Zn), ppm	4.4	3.9	<small><1.0</small>	<small>1.1-2.9</small> 41.1	<small>3.0-4.9</small> 37.0	<small>5.0-10.0</small> 15.7	<small>>10.0</small> 6.2
Manganese (Mn), ppm	57	17	<small><6</small> 0.2	<small>6-14</small> 0.7	<small>15-19</small> 1.4	<small>20-49</small> 35.7	<small>>49</small> 62.1
Iron (Fe), ppm	35	20		<small><5</small> 0.6	<small>5-9</small> 1.8	<small>10-50</small> 82.7	<small>>50</small> 14.9
Copper (Cu), ppm	1.3	0.8		<small><0.4</small>	<small>0.4-1.1</small> 57.1	<small>1.2-3.0</small> 40.0	<small>>3.0</small> 2.8
Boron (B), ppm	0.5	0.5	<small><0.4</small> 45.8	<small>0.4-0.5</small> 26.5	<small>0.6-1.2</small> 21.7	<small>1.3-2.5</small> 5.9	<small>>2.5</small> 0.2
Nitrate (NO ₃ -N), ppm	13.9	14.9	<small><5</small> 8.9	<small>5-9</small> 50.2	<small>10-19</small> 19.7	<small>20-39</small> 13.5	<small>>39</small> 7.7
Ammonium (NH ₄ -N), ppm	4.6	2.5	<small><5</small> 50.0	<small>5-9</small> 50.0	<small>10-19</small>	<small>20-39</small>	<small>>39</small>