



Southern Wisconsin

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,%	3.4	2.7	<small>(<1.0)</small> 1.4	<small>(1.0-2.5)</small> 29.1	<small>(2.5-5.0)</small> 59.5	<small>(5.0-7.0)</small> 7.7	<small>(7.0+)</small> 2.2
Phosphorus (P1), ppm	42	42	<small>(<10)</small> 7.4	<small>(10-20)</small> 2.0	<small>(20-30)</small> 31.0	<small>(30-50)</small> 12.6	<small>(50+)</small> 27.6
Phosphorus (P2), ppm	76	119	<small>(<14)</small> 1.8	<small>(14-29)</small> 11.5	<small>(29-44)</small> 25.8	<small>(44-74)</small> 33.0	<small>(74+)</small> 28.0
Potassium (K), ppm	154	81					
K, % Base Saturation	3.2	1.3	<small>(<0.69)</small> 0.7	<small>(0.69-1.35)</small> 8.5	<small>(1.36-2.71)</small> 49.7	<small>(2.72-4.06)</small> 26.9	<small>(>4.06)</small> 14.7
Magnesium (Mg), ppm	455	171					
Mg, % Base Saturation	27.4	6.2	<small>(<5)</small> 0.2	<small>(5-10)</small> 0.8	<small>(10-15)</small> 2.2	<small>(15-25)</small> 16.3	<small>(25+)</small> 80.5
Calcium (Ca), ppm	1506	925					
Ca, % Base Saturation	59.8	9.2	<small>(<45)</small> 7.8	<small>(45-55)</small> 16.0	<small>(55-75)</small> 73.4	<small>(75-85)</small> 2.1	<small>(85+)</small> 0.7
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 0.5	<small>(5.1-5.8)</small> 8.9	<small>(5.9-6.0)</small> 58.1	<small>(7.0-7.5)</small> 28.7	<small>(>7.5)</small> 3.7
CEC, meq/100g	16.1	5.3	<small>(<3.1)</small> 0.9	<small>(3.1-8.0)</small> 12.6	<small>(8.1-15.0)</small> 64.4	<small>(15.1-25.0)</small> 20.1	<small>(>25.0)</small> 2.0
Sulfur (S), ppm	9	10.5	<small>(<4)</small> 0.9	<small>(4-7)</small> 49.4	<small>(8-12)</small> 42.3	<small>(13-17)</small> 5.0	<small>(>17)</small> 2.4
Zinc (Zn), ppm	4.4	2.7	<small>(<1.0)</small> 30.5	<small>(1.1-2.9)</small> 39.4	<small>(3.0-4.9)</small> 27.1	<small>(5.0-10.0)</small> 2.9	<small>(>10.0)</small> 2.9
Manganese (Mn), ppm	58	19	<small>(<6)</small> 0.1	<small>(6-14)</small> 0.7	<small>(15-19)</small> 1.3	<small>(20-49)</small> 36.3	<small>(>49)</small> 61.5
Iron (Fe), ppm	36	18		<small>(<5)</small> 0.9	<small>(5-9)</small> 1.5	<small>(10-50)</small> 84.6	<small>(>50)</small> 13.0
Copper (Cu), ppm	2.0	1.2		<small>(<0.4)</small> 27.6	<small>(0.4-1.1)</small> 50.8	<small>(1.2-3.0)</small> 21.6	<small>(>3.0)</small> 21.6
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 35.8	<small>(0.4-0.5)</small> 30.4	<small>(0.6-1.2)</small> 28.8	<small>(1.3-2.5)</small> 4.8	<small>(>2.5)</small> 0.2
Nitrate (NO ₃ -N), ppm	20.8	20.2	<small>(<5)</small> 7.8	<small>(5-9)</small> 29.1	<small>(10-19)</small> 28.7	<small>(20-39)</small> 18.7	<small>(>39)</small> 15.7
Ammonium (NH ₄ -N), ppm	6.0	5.5	<small>(<5)</small> 6.8	<small>(5-9)</small> 91.5	<small>(10-19)</small> 1.7	<small>(20-39)</small> 1.7	<small>(>39)</small> 1.7