

Southwest 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	2.8	<small>(<1.0)</small> 0.8	<small>(1.0-2.5)</small> 33.4	<small>(2.5-5.0)</small> 57.7	<small>(5.0-7.0)</small> 5.9	<small>(7.0+)</small> 2.2
Phosphorus (P1), ppm	39	39	<small>(<10)</small> 8.1	<small>(10-20)</small> 1.8	<small>(20-30)</small> 33.1	<small>(30-50)</small> 10.1	<small>(50+)</small> 24.3
Phosphorus (P2), ppm	95	176	<small>(<14)</small> 4.3	<small>(14-29)</small> 11.8	<small>(29-44)</small> 16.1	<small>(44-74)</small> 35.5	<small>(74+)</small> 32.3
Potassium (K), ppm	151	81					
K, % Base Saturation	3.2	1.7	<small>(<0.80)</small> 0.2	<small>(0.80-1.58)</small> 7.7	<small>(1.59-3.15)</small> 52.8	<small>(3.16-4.73)</small> 24.4	<small>(>4.73)</small> 14.9
Magnesium (Mg), ppm	441	161					
Mg, % Base Saturation	28.6	6.7	<small>(<5)</small> 0.2	<small>(5-10)</small> 0.8	<small>(10-15)</small> 2.2	<small>(15-25)</small> 14.7	<small>(25+)</small> 82.2
Calcium (Ca), ppm	1428	991					
Ca, % Base Saturation	56.5	9.1	<small>(<45)</small> 8.8	<small>(45-55)</small> 18.5	<small>(55-75)</small> 70.2	<small>(75-85)</small> 1.8	<small>(85+)</small> 0.8
pH (1:1)	6.5	0.5	<small>(<5.1)</small> 0.5	<small>(5.1-5.8)</small> 9.4	<small>(5.9-6.0)</small> 65.3	<small>(7.0-7.5)</small> 23.5	<small>(>7.5)</small> 1.3
CEC, meq/100g	13.1	5.3	<small>(<3.1)</small> 0.3	<small>(3.1-8.0)</small> 14.8	<small>(8.1-15.0)</small> 67.7	<small>(15.1-25.0)</small> 15.3	<small>(>25.0)</small> 1.8
Sulfur (S), ppm	9	11.0	<small>(<4)</small> 0.7	<small>(4-7)</small> 53.8	<small>(8-12)</small> 38.4	<small>(13-17)</small> 4.5	<small>(>17)</small> 2.6
Zinc (Zn), ppm	4.4	2.7	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 31.7	<small>(3.0-4.9)</small> 38.0	<small>(5.0-10.0)</small> 27.5	<small>(>10.0)</small> 2.9
Manganese (Mn), ppm	59	19	<small>(<6)</small> 0.1	<small>(6-14)</small> 0.8	<small>(15-19)</small> 1.3	<small>(20-49)</small> 34.8	<small>(>49)</small> 63.1
Iron (Fe), ppm	36	18		<small>(<5)</small> 0.7	<small>(5-9)</small> 1.6	<small>(10-50)</small> 84.8	<small>(>50)</small> 12.9
Copper (Cu), ppm	2.0	1.3		<small>(<0.4)</small> 0.1	<small>(0.4-1.1)</small> 29.7	<small>(1.2-3.0)</small> 46.6	<small>(>3.0)</small> 23.7
Boron (B), ppm	0.5	0.3	<small>(<0.4)</small> 37.7	<small>(0.4-0.5)</small> 31.2	<small>(0.6-1.2)</small> 27.4	<small>(1.3-2.5)</small> 3.6	<small>(>2.5)</small> 0.2
Nitrate (NO ₃ -N), ppm	9.7	6.9	<small>(<5)</small> 7.6	<small>(5-9)</small> 45.7	<small>(10-19)</small> 41.9	<small>(20-39)</small> 3.8	<small>(>39)</small> 1.0