



# Southwest Wisconsin

## 2019 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,%	3.2	2.0	<small>(&lt;1.0)</small> 1.6	<small>(1.0-2.5)</small> 33.9	<small>(2.5-5.0)</small> 55.4	<small>(5.0-7.0)</small> 7.2	<small>(7.0+)</small> 1.9
Phosphorus (P1), ppm	40	41	<small>(&lt;10)</small> 9.6	<small>(10-20)</small> 1.1	<small>(20-30)</small> 32.8	<small>(30-50)</small> 10.6	<small>(50+)</small> 24.8
Phosphorus (P2), ppm	83	62	<small>(&lt;14)</small>	<small>(14-29)</small> 17.1	<small>(29-44)</small> 15.9	<small>(44-74)</small> 25.6	<small>(74+)</small> 41.5
Potassium (K), ppm	145	82					
K, % Base Saturation	3.2	1.3	<small>(&lt;0.93)</small> 0.5	<small>(0.93-1.85)</small> 9.6	<small>(1.86-3.70)</small> 54.0	<small>(3.71-5.55)</small> 23.3	<small>(&gt;5.55)</small> 12.8
Magnesium (Mg), ppm	451	195					
Mg, % Base Saturation	27.7	6.4	<small>(&lt;5)</small> 0.1	<small>(5-10)</small> 0.8	<small>(10-15)</small> 1.9	<small>(15-25)</small> 13.7	<small>(25+)</small> 83.6
Calcium (Ca), ppm	1388	713					
Ca, % Base Saturation	53.3	8.4	<small>(&lt;45)</small> 7.3	<small>(45-55)</small> 16.0	<small>(55-75)</small> 74.4	<small>(75-85)</small> 2.0	<small>(85+)</small> 0.4
pH (1:1)	6.5	0.6	<small>(&lt;5.1)</small> 1.0	<small>(5.1-5.8)</small> 13.1	<small>(5.9-6.9)</small> 60.8	<small>(7.0-7.5)</small> 23.9	<small>(&gt;7.5)</small> 1.2
CEC, meq/100g	10.7	4.3	<small>(&lt;3.1)</small> 0.8	<small>(3.1-8.0)</small> 18.8	<small>(8.1-15.0)</small> 61.6	<small>(15.1-25.0)</small> 17.6	<small>(&gt;25.0)</small> 1.2
Sulfur (S), ppm	8	7.1	<small>(&lt;4)</small> 2.6	<small>(4-7)</small> 51.4	<small>(8-12)</small> 39.5	<small>(13-17)</small> 4.0	<small>(&gt;17)</small> 2.4
Zinc (Zn), ppm	4.7	3.3	<small>(&lt;1.0)</small>	<small>(1.1-2.9)</small> 27.0	<small>(3.0-4.9)</small> 39.2	<small>(5.0-10.0)</small> 28.9	<small>(&gt;10.0)</small> 4.9
Manganese (Mn), ppm	55	17	<small>(&lt;6)</small> 0.2	<small>(6-14)</small> 0.6	<small>(15-19)</small> 0.9	<small>(20-49)</small> 40.6	<small>(&gt;49)</small> 57.7
Iron (Fe), ppm	31	20		<small>(&lt;5)</small> 3.8	<small>(5-9)</small> 5.1	<small>(10-50)</small> 79.3	<small>(&gt;50)</small> 11.8
Copper (Cu), ppm	1.4	1.0		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small> 47.0	<small>(1.2-3.0)</small> 46.6	<small>(&gt;3.0)</small> 6.4
Boron (B), ppm	0.7	0.5	<small>(&lt;0.4)</small> 25.0	<small>(0.4-0.5)</small> 24.0	<small>(0.6-1.2)</small> 40.7	<small>(1.3-2.5)</small> 9.3	<small>(&gt;2.5)</small> 1.0
Nitrate (NO <sub>3</sub> -N), ppm	8.8	8.7	<small>(&lt;5)</small> 30.1	<small>(5-9)</small> 37.8	<small>(10-19)</small> 24.4	<small>(20-39)</small> 5.2	<small>(&gt;39)</small> 2.6
Ammonium (NH <sub>4</sub> -N), ppm	1.7	0.9	<small>(&lt;5)</small> 80.0	<small>(5-9)</small> 20.0	<small>(10-19)</small>	<small>(20-39)</small>	<small>(&gt;39)</small>