



# Southern 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,%	3.4	3.0	3.8 <small>(&lt;1.0)</small>	31.9 <small>(1.0-2.5)</small>	52.7 <small>(2.5-5.0)</small>	8.9 <small>(5.0-7.0)</small>	2.8 <small>(7.0+)</small>
Phosphorus (P1), ppm	52	53	7.0 <small>(&lt;10)</small>	2.2 <small>(10-20)</small>	27.7 <small>(20-30)</small>	13.7 <small>(30-50)</small>	34.5 <small>(50+)</small>
Phosphorus (P2), ppm	75	55	1.7 <small>(&lt;14)</small>	12.1 <small>(14-29)</small>	16.4 <small>(29-44)</small>	37.9 <small>(44-74)</small>	31.9 <small>(74+)</small>
Potassium (K), ppm	144	76					
K, % Base Saturation	3.1	1.3	0.9 <small>(&lt;0.72)</small>	9.5 <small>(0.72-1.42)</small>	53.3 <small>(1.43-2.84)</small>	25.5 <small>(2.85-4.26)</small>	11.2 <small>(&gt;4.26)</small>
Magnesium (Mg), ppm	435	213					
Mg, % Base Saturation	26.7	5.5	0.2 <small>(&lt;5)</small>	1.0 <small>(5-10)</small>	2.8 <small>(10-15)</small>	20.7 <small>(15-25)</small>	75.4 <small>(25+)</small>
Calcium (Ca), ppm	1461	1003					
Ca, % Base Saturation	60.3	8.7	5.5 <small>(&lt;45)</small>	12.9 <small>(45-55)</small>	77.9 <small>(55-75)</small>	3.2 <small>(75-85)</small>	0.6 <small>(85+)</small>
pH (1:1)	6.6	0.6	0.7 <small>(&lt;5.1)</small>	11.6 <small>(5.1-5.8)</small>	58.6 <small>(5.9-6.9)</small>	25.2 <small>(7.0-7.5)</small>	3.8 <small>(&gt;7.5)</small>
CEC, meq/100g	15.1	5.1	3.1 <small>(&lt;3.1)</small>	19.4 <small>(3.1-8.0)</small>	54.6 <small>(8.1-15.0)</small>	20.7 <small>(15.1-25.0)</small>	2.2 <small>(&gt;25.0)</small>
Sulfur (S), ppm	8	7.5	4.4 <small>(&lt;4)</small>	55.3 <small>(4-7)</small>	35.1 <small>(8-12)</small>	3.2 <small>(13-17)</small>	2.1 <small>(&gt;17)</small>
Zinc (Zn), ppm	4.6	3.1		27.9 <small>(1.1-2.9)</small>	41.9 <small>(3.0-4.9)</small>	26.1 <small>(5.0-10.0)</small>	4.2 <small>(&gt;10.0)</small>
Manganese (Mn), ppm	53	17	0.2 <small>(&lt;6)</small>	0.8 <small>(6-14)</small>	2.0 <small>(15-19)</small>	44.9 <small>(20-49)</small>	52.2 <small>(&gt;49)</small>
Iron (Fe), ppm	33	19		2.9 <small>(&lt;5)</small>	3.7 <small>(5-9)</small>	80.7 <small>(10-50)</small>	12.7 <small>(&gt;50)</small>
Copper (Cu), ppm	1.5	0.9		0.1 <small>(&lt;0.4)</small>	43.3 <small>(0.4-1.1)</small>	51.2 <small>(1.2-3.0)</small>	5.4 <small>(&gt;3.0)</small>
Boron (B), ppm	0.6	0.5	28.2 <small>(&lt;0.4)</small>	24.1 <small>(0.4-0.5)</small>	38.3 <small>(0.6-1.2)</small>	8.6 <small>(1.3-2.5)</small>	0.8 <small>(&gt;2.5)</small>
Nitrate (NO <sub>3</sub> -N), ppm	16.1	17.7	20.4 <small>(&lt;5)</small>	27.1 <small>(5-9)</small>	23.9 <small>(10-19)</small>	19.7 <small>(20-39)</small>	8.8 <small>(&gt;39)</small>
Ammonium (NH <sub>4</sub> -N), ppm	5.2	4.6	47.5 <small>(&lt;5)</small>	42.5 <small>(5-9)</small>	7.5 <small>(10-19)</small>	2.5 <small>(20-39)</small>	