



Southwest Wisconsin

2020 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	3.1	<small>(<1.0)</small> 0.6	<small>(1.0-2.5)</small> 32.6	<small>(2.5-5.0)</small> 57.5	<small>(5.0-7.0)</small> 6.8	<small>(7.0+)</small> 2.5
Phosphorus (P1), ppm	39	39	<small>(<10)</small> 8.2	<small>(10-20)</small> 2.7	<small>(20-30)</small> 34.8	<small>(30-50)</small> 12.3	<small>(50+)</small> 23.5
Phosphorus (P2), ppm	63	55	<small>(<14)</small> 3.7	<small>(14-29)</small> 23.1	<small>(29-44)</small> 25.0	<small>(44-74)</small> 18.5	<small>(74+)</small> 29.6
Potassium (K), ppm	139	69					
K, % Base Saturation	3.0	1.4	<small>(<0.85)</small> 0.7	<small>(0.85-1.68)</small> 10.7	<small>(1.69-3.35)</small> 53.4	<small>(3.36-5.03)</small> 24.5	<small>(>5.03)</small> 10.9
Magnesium (Mg), ppm	442	182					
Mg, % Base Saturation	29.0	6.5	<small>(<5)</small> 0.2	<small>(5-10)</small> 0.8	<small>(10-15)</small> 1.5	<small>(15-25)</small> 11.6	<small>(25+)</small> 85.8
Calcium (Ca), ppm	1386	960					
Ca, % Base Saturation	56.0	8.0	<small>(<45)</small> 6.3	<small>(45-55)</small> 14.8	<small>(55-75)</small> 77.7	<small>(75-85)</small> 0.7	<small>(85+)</small> 0.5
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 1.3	<small>(5.1-5.8)</small> 12.7	<small>(5.9-6.9)</small> 55.4	<small>(7.0-7.5)</small> 27.1	<small>(>7.5)</small> 3.5
CEC, meq/100g	12.1	4.3	<small>(<3.1)</small> 0.2	<small>(3.1-8.0)</small> 18.9	<small>(8.1-15.0)</small> 65.1	<small>(15.1-25.0)</small> 14.1	<small>(>25.0)</small> 1.6
Sulfur (S), ppm	9	27.3	<small>(<4)</small> 3.9	<small>(4-7)</small> 48.9	<small>(8-12)</small> 37.7	<small>(13-17)</small> 5.8	<small>(>17)</small> 3.6
Zinc (Zn), ppm	4.3	3.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 32.0	<small>(3.0-4.9)</small> 41.6	<small>(5.0-10.0)</small> 23.4	<small>(>10.0)</small> 3.0
Manganese (Mn), ppm	53	15	<small>(<6)</small> 0.6	<small>(6-14)</small> 1.0	<small>(15-19)</small> 1.3	<small>(20-49)</small> 42.6	<small>(>49)</small> 54.5
Iron (Fe), ppm	33	26		<small>(<5)</small> 4.2	<small>(5-9)</small> 5.4	<small>(10-50)</small> 76.9	<small>(>50)</small> 13.5
Copper (Cu), ppm	1.5	1.2		<small>(<0.4)</small> 0.1	<small>(0.4-1.1)</small> 52.0	<small>(1.2-3.0)</small> 41.6	<small>(>3.0)</small> 6.3
Boron (B), ppm	0.6	0.5	<small>(<0.4)</small> 33.2	<small>(0.4-0.5)</small> 24.3	<small>(0.6-1.2)</small> 32.9	<small>(1.3-2.5)</small> 8.6	<small>(>2.5)</small> 0.9
Nitrate (NO ₃ -N), ppm	15.0	16.3	<small>(<5)</small> 18.8	<small>(5-9)</small> 36.2	<small>(10-19)</small> 21.0	<small>(20-39)</small> 14.5	<small>(>39)</small> 9.4