



Southeast 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,%	3.5	3.6	5.9 (<1.0)	30.0 (1.0-2.5)	50.0 (2.5-5.0)	10.6 (5.0-7.0)	3.6 (7.0+)
Phosphorus (P1), ppm	65	60	4.5 (<10)	3.3 (10-20)	22.7 (20-30)	16.6 (30-50)	43.8 (50+)
Phosphorus (P2), ppm	56	23	5.9 (<14)		17.6 (29-44)	67.6 (44-74)	8.8 (74+)
Potassium (K), ppm	143	69					
K, % Base Saturation	3.1	1.3	1.3 (<0.69)	9.4 (0.69-1.36)	52.7 (1.37-2.72)	27.6 (2.73-4.08)	9.7 (>4.08)
Magnesium (Mg), ppm	419	228					
Mg, % Base Saturation	26.5	5.3	0.3 (<5)	1.2 (5-10)	3.5 (10-15)	27.4 (15-25)	67.6 (25+)
Calcium (Ca), ppm	1530	1211					
Ca, % Base Saturation	61.7	8.6	3.8 (<45)	9.9 (45-55)	81.2 (55-75)	4.2 (75-85)	0.8 (85+)
pH (1:1)	6.6	0.6	0.5 (<5.1)	10.1 (5.1-5.8)	56.5 (5.9-6.9)	26.5 (7.0-7.5)	6.4 (>7.5)
CEC, meq/100g	16.0	4.8	5.3 (<3.1)	20.0 (3.1-8.0)	47.9 (8.1-15.0)	23.7 (15.1-25.0)	3.1 (>25.0)
Sulfur (S), ppm	7	8.4	8.4 (<4)	64.0 (4-7)	25.0 (8-12)	1.3 (13-17)	1.3 (>17)
Zinc (Zn), ppm	4.2	2.7		29.9 (1.1-2.9)	47.7 (3.0-4.9)	19.9 (5.0-10.0)	2.6 (>10.0)
Manganese (Mn), ppm	48	16	0.2 (<6)	1.2 (6-14)	4.2 (15-19)	54.3 (20-49)	40.0 (>49)
Iron (Fe), ppm	35	19		1.6 (<5)	1.6 (5-9)	82.8 (10-50)	14.0 (>50)
Copper (Cu), ppm	1.5	0.7		0.2 (<0.4)	37.7 (0.4-1.1)	58.2 (1.2-3.0)	3.9 (>3.0)
Boron (B), ppm	0.6	0.4	35.2 (<0.4)	24.4 (0.4-0.5)	32.8 (0.6-1.2)	7.1 (1.3-2.5)	0.6 (>2.5)
Nitrate (NO ₃ -N), ppm	31.6	21.4		4.4 (5-9)	23.1 (10-19)	50.5 (20-39)	22.0 (>39)
Ammonium (NH ₄ -N), ppm	5.7	4.7	42.9 (<5)	45.7 (5-9)	8.6 (10-19)	2.9 (20-39)	