



Client: Maplewood Country Club
 Spring 2023 Report

<u>5/11/23</u>	
Humidity/Air Temperature	25%/80°
Greens Temperature	(avg)67.5°
Fairway Temperature	(avg)64.6°

WATER	Acceptable Range For Water Sample	Hole #8 5/11/23
pH	6.3-6.5	7.11
EC	<2.25 mmhos/cm	0.77
Sodium		56.02
Calcium	20 - 60 ppm	87.77
Magnesium	10 - 25 ppm	7.95
Potassium	5 - 20 ppm	2.54
Sulfur	30 - 90 ppm	31.56
Bicarbonate	<120 ppm	163.99
Boron	<0.67 ppm	0.06
Chloride	<177 ppm	152.51
Nitrates	<3 ppm	0.32

TEE	Acceptable Range For Standard Soil Sample	2,11(avg) 5/11/23
Organic Matter (Humus)	2 - 3%	3.44
Sulfur	50 - 100 ppm	14.50
Mehlich III - Phosphorus	350 lbs/acre	1067.00
Calcium	68%	77.93
Magnesium	15%	11.03
Potassium	5%	1.92
Sodium	<2%	1.56
Boron	1 - 1.5 ppm	0.47
Iron	120 ppm	415.00
Manganese	50 ppm	35.50

FAIRWAY	Acceptable Range For Standard Soil Sample	2,7,11(avg) 5/11/23
Organic Matter (Humus)	2 - 3%	4.20
Sulfur	50 - 100 ppm	14.67
Mehlich III - Phosphorus	350 lbs/acre	549.67
Calcium	68%	74.76
Magnesium	15%	10.09
Potassium	5%	1.49
Sodium	<2%	1.77
Boron	1 - 1.5 ppm	0.43
Iron	120 ppm	234.00
Manganese	50 ppm	17.67

GREENS	Acceptable Range For Standard Soil Sample	2,7,11(avg) 5/11/23
Organic Matter (Humus)	2 - 3%	2.09
Sulfur	50 - 100 ppm	11.00
Mehlich III - Phosphorus	350 lbs/acre	1,019.00
Calcium	68%	76.41
Magnesium	15%	13.83
Potassium	5%	1.84
Sodium	<2%	2.05
Boron	1 - 1.5 ppm	0.37
Iron	120 ppm	323.00
Manganese	50 ppm	58.50

TEE	Acceptable Range For Saturated Paste Sample	2 5/11/23
Nitrate-Cool season	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	0.89
Potassium	40 - 100 ppm	11.33
Calcium	60 - 200 ppm	40.33
Magnesium	20 - 70 ppm	8.21
Sodium	0 - 30 ppm	14.19
Soluble Salts	<1,920 ppm	210.00
Bicarbonate	<60 ppm	72.09
Chloride	<1,000 ppm	45.00
SAR	<4%	0.53

FAIRWAY	Acceptable Range For Saturated Paste Sample	2 5/11/23
Nitrate-Cool season	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	0.78
Potassium	40 - 100 ppm	5.44
Calcium	60 - 200 ppm	37.96
Magnesium	20 - 70 ppm	6.77
Sodium	0 - 30 ppm	11.50
Soluble Salts	<1,920 ppm	164.00
Bicarbonate	<60 ppm	66.07
Chloride	<1,000 ppm	32.00
SAR	<4%	0.45

GREENS	Acceptable Range For Saturated Paste Sample	2 5/11/23
Nitrate - Bentgrass/Poa	1-3 ppm	2.30
Phosphorus	2 - 7 ppm	4.34
Potassium	25-40 ppm	8.83
Calcium	50- 75 ppm	18.21
Magnesium	15-30 ppm	4.18
Sodium	0 - 30 ppm	10.08
Soluble Salts	<1,000 ppm	111.00
Bicarbonate	<60 ppm	31.47
Chloride	<200 ppm	10.00
SAR	<4%	0.55

Nutrient Deficiencies

		Ca	Mg	K	Mn
TEE	2	2144	198	48	38
TEE	7	620	60	10	13
TEE	11	2748	214	70	33
FAIRWAY	2	2450	210	49	11
FAIRWAY	7	2304	188	42	24
FAIRWAY	11	2178	164	43	18
GREEN	2	1910	190	44	45
GREEN	7	1428	168	34	72
GREEN	11	1846	194	38	65

Calcium can be added in the form of gypsum at a rate of 5 pounds of product per 1,000 sq ft for the next four months

Magnesium can be added in the form of Pro-Mag 36 at a rate of 3 pounds of product per 1,000 sq ft in June and August.

Potassium can be added in the form of 0-0-50 at a rate of 2 pounds of product per 1,000 sq ft for the next four months.

Next Level Cultural Practices

- Treat tees individually based on base material.
- On tees that are more used and abused, increase nitrogen, potassium and top-dress every month through Summer.