

	<u>5/11/23</u>
Humidity/Air Temperature	40%/80°
Green Temperature	(avg)60.1°
Fairway Temperature	(avg)57.7°

<i>WATER</i>	Acceptable Range For Water Sample	Hole #13 <u>5/11/23</u>
EC	<2.25 mmhos/cm	0.32
Sodium		32.28
Calcium	20 - 60 ppm	24.62
Magnesium	10 - 25 ppm	5.47
Potassium	5 - 20 ppm	3.47
Sulfur	30 - 90 ppm	7.82
Bicarbonate	<120 ppm	105.23
Boron	<0.67 ppm	<0.05
Chloride	<177 ppm	46.13

TEES	Acceptable Range For Standard Soil Sample	3,6,10,13(avg) 5/11/23
Organic Matter (Humus)	2 - 3%	1.24
Sulfur	50 - 100 ppm	11.25
Mehlich III - Phosphorus	350 lbs/acre	234.75
Calcium	68%	73.82
Magnesium	15%	11.95
Potassium	5%	1.92
Sodium	<2%	2.72
Boron	1 - 1.5 ppm	0.23
Iron	120 ppm	201.25
Manganese	50 ppm	9.50

FAIRWAYS	Acceptable Range For Standard Soil Sample	3,6,10,13(avg) 5/11/23
Organic Matter (Humus)	2 - 3%	5.62
Sulfur	50 - 100 ppm	49.25
Mehlich III - Phosphorus	350 lbs/acre	187.75
Calcium	68%	66.97
Magnesium	15%	11.85
Potassium	5%	1.68
Sodium	<2%	1.93
Boron	1 - 1.5 ppm	0.61
Iron	120 ppm	216.25
Manganese	50 ppm	37.50

GREENS	Acceptable Range For Standard Soil Sample	6,13(avg) 5/11/23
Organic Matter (Humus)	2 - 3%	0.74
Sulfur	50 - 100 ppm	6.00
Mehlich III - Phosphorus	350 lbs/acre	128.50
Calcium	68%	69.88
Magnesium	15%	17.09
Potassium	5%	1.89
Sodium	<2%	4.40
Boron	1 - 1.5 ppm	<0.20
Iron	120 ppm	89.00
Manganese	50 ppm	7.00

TEE	Acceptable Range For Saturated Paste Sample	13 5/11/23
Nitrate-Cool season	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	1.44
Potassium	40 - 100 ppm	11.20
Calcium	60 - 200 ppm	24.25
Magnesium	20 - 70 ppm	4.84
Sodium	0 - 30 ppm	10.86
Soluble Salts	<1,920 ppm	140.00
Bicarbonate	<60 ppm	48.04
Chloride	<1,000 ppm	16.00
SAR	<4%	0.53

FAIRWAY	Acceptable Range For Saturated Paste Sample	13 5/11/23
Nitrate-Cool season	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	0.24
Potassium	40 - 100 ppm	5.86
Calcium	60 - 200 ppm	70.29
Magnesium	20 - 70 ppm	11.54
Sodium	0 - 30 ppm	20.17
Soluble Salts	<1,920 ppm	301.00
Bicarbonate	<60 ppm	53.34
Chloride	<1,000 ppm	34.00
SAR	<4%	0.59

GREENS	Acceptable Range For Saturated Paste Sample	6,13(avg) 5/11/23
Nitrate - Bentgrass/Poa	1-3 ppm	1.35
Phosphorus	2 - 7 ppm	1.23
Potassium	25-40 ppm	4.69
Calcium	50- 75 ppm	10.39
Magnesium	15-30 ppm	2.93
Sodium	0 - 30 ppm	8.35
Soluble Salts	<1,000 ppm	73.00
Bicarbonate	<60 ppm	24.03
Chloride	<200 ppm	5.00
SAR	<4%	0.60



Nutrient Deficiencies

		Ca	Mg	K	Mn
TEE	3	1158	114	24	8
TEE	6	866	96	21	14
TEE	10	928	86	28	8
TEE	13	972	84	26	8
FAIRWAY	3	3118	330	111	28
FAIRWAY	6	5110	552	77	21
FAIRWAY	10	3186	372	84	52
FAIRWAY	13	2960	278	64	49
GREEN	3	2160	214	56	17
GREEN	6	584	66	15	7
GREEN	10	970	106	27	12
GREEN	13	518	94	14	7

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.

Manganese can be added in the form of Manganese Oxide at a rate of 3 pounds of product per 1,000 sq ft in September, October and November.

Next Level Cultural Practices

- Work on all nutrient deficiencies first.
- Verti-cut fairways.