



Client: Jumping Brook Country Club
Spring 2023 Report

	<u>4/16/20</u>	<u>5/5/23</u>
Humidity/Air Temperature	35%/50°	60%/75°
Green Temperature	(avg)49.16°	(avg)47.6°
Fairway Temperature	(avg)49.89°	(avg)50.9°

WATER	Acceptable Range For Water Sample	Irrigation Pond <u>4/16/20</u>	Irrigation Pond <u>5/5/23</u>
EC	<2.25 mmhos/cm	0.12	6.27
Sodium		7.56	0.22
Calcium	20 - 60 ppm	10.18	8.67
Magnesium	10 - 25 ppm	3.70	2.19
Potassium	5 - 20 ppm	3.06	2.73
Sulfur	30 - 90 ppm	25.31	12.82
Bicarbonate	<120 ppm	34.26	23.92
Boron	<0.67 ppm	<0.05	<0.05
Chloride	<177 ppm	6.81	42.72

ROUGHS	Acceptable Range For Standard Soil Sample	Between 8&9 <u>5/12/22</u>	Between 8&9 <u>5/5/23</u>	3,4,7(avg) <u>5/5/23</u>
pH	6.3-6.5	5.30	5.70	5.37
Organic Matter (Humus)	2 - 3%	5.08	5.37	3.71
Sulfur	50 - 100 ppm	12.00	12.00	29.00
Mehlich III - Phosphorus	350 lbs/acre	463.00	389.00	293.00
Calcium	68%	46.47	57.50	46.97
Magnesium	15%	7.65	8.29	8.78
Potassium	5%	1.68	2.82	1.82
Sodium	<2%	1.42	1.38	1.78
Boron	1 - 1.5 ppm	0.22	1.15	1.17
Iron	120 ppm	420.00	391.00	488.67
Manganese	50 ppm	6.00	10.00	6.67



TEE	Acceptable Range For Standard Soil Sample	3,7(avg) 4/16/20	3,4,7(avg) 5/5/23
Organic Matter (Humus)	2 - 3%	1.13	2.97
Sulfur	50 - 100 ppm	27.00	14.00
Mehlich III - Phosphorus	350 lbs/acre	884.00	1,116.33
Calcium	68%	70.12	72.21
Magnesium	15%	13.56	13.24
Potassium	5%	5.55	3.62
Sodium	<2%	3.06	1.73
Boron	1 - 1.5 ppm	0.33	1.27
Iron	120 ppm	349.00	449.00
Manganese	50 ppm	20.00	21.00

FAIRWAY	Acceptable Range For Standard Soil Sample	3,4(avg) 4/16/20	3,4(avg) 5/5/23
Organic Matter (Humus)	2 - 3%	4.19	3.04
Sulfur	50 - 100 ppm	33.00	21.00
Mehlich III - Phosphorus	350 lbs/acre	566.00	691.50
Calcium	68%	70.31	68.66
Magnesium	15%	12.84	9.81
Potassium	5%	2.64	2.66
Sodium	<2%	1.81	1.70
Boron	1 - 1.5 ppm	0.33	1.16
Iron	120 ppm	383.50	10.00
Manganese	50 ppm	5.50	8.00

GREENS	Acceptable Range For Standard Soil Sample	3,4,7(avg) 4/16/20	3,4,7(avg) 5/5/23
Organic Matter (Humus)	2 - 3%	3.96	3.76
Sulfur	50 - 100 ppm	25.33	22.00
Mehlich III - Phosphorus	350 lbs/acre	1,192.00	1,337.33
Calcium	68%	69.69	71.66
Magnesium	15%	11.37	10.74
Potassium	5%	4.04	2.72
Sodium	<2%	1.42	1.40
Boron	1 - 1.5 ppm	0.50	1.17
Iron	120 ppm	330.33	377.00
Manganese	50 ppm	14.00	16.33

TEE	Acceptable Range For Saturated Paste Sample	4,7(avg) 4/16/20	4,7(avg) 5/5/23
Nitrate-Cool season	5 - 10 ppm	3.90	<0.5
Phosphorus	2 - 10 ppm	0.74	1.18
Potassium	40 - 100 ppm	27.09	16.98
Calcium	60 - 200 ppm	47.46	23.47
Magnesium	20 - 70 ppm	10.89	5.98
Sodium	0 - 30 ppm	11.60	9.75
Soluble Salts	<1,920 ppm	232.50	141.00
Bicarbonate	<60 ppm	35.62	49.27
Chloride	<1,000 ppm	21.50	26.00
SAR	<4%	0.40	0.47

FAIRWAY	Acceptable Range For Saturated Paste Sample	4,7(avg) 4/16/20	4,7(avg) 5/5/23
Nitrate-Cool season	5 - 10 ppm	6.30	<0.5
Phosphorus	2 - 10 ppm	0.29	1.56
Potassium	40 - 100 ppm	24.03	15.46
Calcium	60 - 200 ppm	43.05	23.62
Magnesium	20 - 70 ppm	10.58	4.62
Sodium	0 - 30 ppm	18.62	9.63
Soluble Salts	<1,920 ppm	244.50	139.50
Bicarbonate	<60 ppm	20.38	40.25
Chloride	<1,000 ppm	36.50	23.00
SAR	<4%	0.70	0.48

GREENS	Acceptable Range For Saturated Paste Sample	4,7(avg) 4/16/20	4,7(avg) 5/5/23
Nitrate - Bentgrass/Poa	1-3 ppm	3.55	<0.5
Phosphorus	2 - 7 ppm	1.66	2.32
Potassium	25-40 ppm	37.29	18.43
Calcium	50- 75 ppm	39.67	23.61
Magnesium	15-30 ppm	8.30	4.83
Sodium	0 - 30 ppm	11.21	12.59
Soluble Salts	<1,000 ppm	221.00	155.50
Bicarbonate	<60 ppm	28.20	36.09
Chloride	<200 ppm	16.50	16.50
SAR	<4%	0.42	0.62

Nutrient Deficiencies

		pH	Ca	Mg	K	Mn
TEE	3	6.7	806	88	71	12
TEE	4	6.7	1615	175	171	25
TEE	7	6.7	1262	142	125	26
FAIRWAY	3	6.4	1202	96	69	10
FAIRWAY	4	6.0	953	88	91	6
FAIRWAY	7	5.4	1903	187	179	5
GREEN	3	6.4	1632	139	112	19
GREEN	4	6.4	1643	151	124	12
GREEN	7	6.5	1662	154	130	18
ROUGH	3	5.7	803	101	46	7
ROUGH	4	5.3	721	70	67	7
ROUGH	7	5.1	1127	125	91	6

Calcium can be added in the form of lime at a rate of 2,000 pounds of product per acre.

Potassium can be added in the form of 0-0-50 at a rate of 100 pounds of product per acre two times in 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

- Verti-cut and Top-dress greens monthly through Summer and groom greens weekly
- Monthly 0-0-50 applications on greens
- Top-dress approaches monthly