



SOIL AND WATER CONSULTING

Data Collection Report

Spring 2022

Date of Collection: 5/12/2022

Client: Jumping Brook Country Club



Testing Results

	<u>5/12/22</u>
Humidity/Air Temperature	80%/60°
Green Temperature	(avg)56.4°
Fairway Temperature	(avg)56.7°

WATER	Acceptable Range For Water Sample	Irrigation Pond 5/12/22
EC	<2.25 mmhos/cm	0.25
Sodium		32.57
Calcium	20 - 60 ppm	11.16
Magnesium	10 - 25 ppm	2.57
Potassium	5 - 20 ppm	2.40
Sulfur	30 - 90 ppm	16.03
Bicarbonate	<120 ppm	27.36
Boron	<0.67 ppm	<0.05
Chloride	<177 ppm	51.40

ROUGHS	Acceptable Range For Standard Soil Sample	Between 8&9 12/6/21	Between 8&9 3/3/22	Between 8&9 5/12/22	Between 7&8 3/3/22	4,14,17(avg) 5/12/22
pH	6.3-6.5	4.50	4.60	5.30	4.70	5.93
Organic Matter (Humus)	2 - 3%	8.12	6.56	5.08	5.61	4.54
Sulfur	50 - 100 ppm	12.00	11.00	12.00	9.00	21.33
Mehlich III - Phosphorus	350 lbs/acre	311.00	334.00	463.00	256.00	325.00
Calcium	68%	28.00	29.70	46.47	30.15	59.56
Magnesium	15%	5.85	6.28	7.65	7.85	12.92
Potassium	5%	1.43	1.27	1.68	1.04	2.89
Sodium	<2%	1.32	1.55	1.42	1.97	1.58
Boron	1 - 1.5 ppm	0.34	0.34	0.22	0.48	0.29
Iron	120 ppm	431.00	136.00	420.00	511.00	364.33
Manganese	50 ppm	7.00	6.00	6.00	5.00	9.33

TEES	Acceptable Range For Standard Soil Sample	1,4,17 5/12/22
Organic Matter (Humus)	2 - 3%	3.88
Sulfur	50 - 100 ppm	30.33
Mehlich III - Phosphorus	350 lbs/acre	774.00
Calcium	68%	66.06
Magnesium	15%	13.79
Potassium	5%	5.04
Sodium	<2%	1.65
Boron	1 - 1.5 ppm	0.47
Iron	120 ppm	351.67
Manganese	50 ppm	27.00

FAIRWAYS	Acceptable Range For Standard Soil Sample	1,4,17 5/12/22
Organic Matter (Humus)	2 - 3%	3.97
Sulfur	50 - 100 ppm	27.67
Mehlich III - Phosphorus	350 lbs/acre	673.33
Calcium	68%	71.04
Magnesium	15%	11.92
Potassium	5%	4.35
Sodium	<2%	1.88
Boron	1 - 1.5 ppm	0.42
Iron	120 ppm	403.00
Manganese	50 ppm	6.33

GREENS	Acceptable Range For Standard Soil Sample	1,4,17 5/12/22
Organic Matter (Humus)	2 - 3%	4.16
Sulfur	50 - 100 ppm	28.67
Mehlich III - Phosphorus	350 lbs/acre	1,432.00
Calcium	68%	72.41
Magnesium	15%	10.24
Potassium	5%	3.55
Sodium	<2%	1.37
Boron	1 - 1.5 ppm	0.49
Iron	120 ppm	426.33
Manganese	50 ppm	13.67

TEES	Acceptable Range For Saturated Paste Sample	1,17(avg) 5/12/22
Nitrate-Cool season	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	1.04
Potassium	40 - 100 ppm	45.04
Calcium	60 - 200 ppm	38.50
Magnesium	20 - 70 ppm	9.83
Sodium	0 - 30 ppm	14.70
Soluble Salts	<1,920 ppm	253.50
Bicarbonate	<60 ppm	72.05
Chloride	<1,000 ppm	22.00
SAR	<4%	0.55

FAIRWAYS	Acceptable Range For Saturated Paste Sample	1,17(avg) 5/12/22
Nitrate-Cool season	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	0.64
Potassium	40 - 100 ppm	22.27
Calcium	60 - 200 ppm	25.92
Magnesium	20 - 70 ppm	5.18
Sodium	0 - 30 ppm	8.25
Soluble Salts	<1,920 ppm	144.67
Bicarbonate	<60 ppm	48.12
Chloride	<1,000 ppm	12.33
SAR	<4%	0.32

GREENS	Acceptable Range For Saturated Paste Sample	1,17(avg) 5/12/22
Nitrate - Bentgrass/Poa	1-3 ppm	1.65
Phosphorus	2 - 7 ppm	1.27
Potassium	25-40 ppm	20.19
Calcium	50- 75 ppm	30.66
Magnesium	15-30 ppm	5.83
Sodium	0 - 30 ppm	13.06
Soluble Salts	<1,000 ppm	176.00
Bicarbonate	<60 ppm	18.80
Chloride	<200 ppm	6.50
SAR	<4%	0.57