



SOIL AND WATER CONSULTING

Data Collection Report

Fall 2018

Date of Collection: 10/5/18

Client: Jumping Brook Country Club



Testing Results

	<u>10/11/16</u>	<u>10/20/17</u>	<u>10/5/18</u>
Humidity/Air Temperature	55%/65°	45%/72°	55%/70°
Greens Temperature	(avg)60°	(avg)58°	(avg)67.5°
Fairways Temperature	n/t	n/t	(avg)69.6°



TEE	Acceptable Range For Standard Soil Sample	1,8,17(avg) 10/5/18
Organic Matter (Humus)	2 - 3%	3.41
Sulfur	50 - 100 ppm	20.33
Mehlich III - Phosphorus	350 lbs/acre	740.33
Calcium	68%	76.19
Magnesium	15%	11.45
Potassium	5%	4.07
Sodium	<2%	2.28
Boron	1 - 1.5 ppm	0.59
Iron	120 ppm	318.67
Manganese	50 ppm	15.67

FAIRWAY	Acceptable Range For Standard Soil Sample	1,8,17(avg) 10/5/18
Organic Matter (Humus)	2 - 3%	4.45
Sulfur	50 - 100 ppm	23.67
Mehlich III - Phosphorus	350 lbs/acre	632.00
Calcium	68%	66.70
Magnesium	15%	11.84
Potassium	5%	4.24
Sodium	<2%	2.20
Boron	1 - 1.5 ppm	0.51
Iron	120 ppm	376.00
Manganese	50 ppm	4.33

GREENS	Acceptable Range For Standard Soil Sample	4,7,9,11,15 (avg) 10/11/16	PG,1,8,12,18(avg) 10/20/17	1,8,17(avg) 10/5/18
Organic Matter (Humus)	2 - 3%	3.65	4.59	4.17
Sulfur	50 - 100 ppm	85.20	20.40	20.00
Mehlich III - Phosphorus	350 lbs/acre	1,218.60	1,407.00	1,577.00
Calcium	68%	73.88	76.51	77.84
Magnesium	15%	12.02	10.82	9.44
Potassium	5%	4.18	3.96	2.94
Sodium	<2%	1.69	1.43	1.67
Boron	1 - 1.5 ppm	0.59	0.62	0.62
Iron	120 ppm	361.00	388.00	339.67
Manganese	50 ppm	9.60	9.20	10.33

TEE	Acceptable Range For Saturated Paste Sample	1,17 (avg) 10/5/18
Nitrate-Cool season	5 - 10 ppm	9.40
Phosphorus	2 - 10 ppm	0.75
Potassium	40 - 100 ppm	13.75
Calcium	60 - 200 ppm	18.80
Magnesium	20 - 70 ppm	4.26
Sodium	0 - 30 ppm	12.09
Soluble Salts	<1,920 ppm	149.50
Bicarbonate	<60 ppm	45.15
Chloride	<1,000 ppm	16.00
SAR	<4%	0.66

FAIRWAY	Acceptable Range For Saturated Paste Sample	1,17 (avg) 10/5/18
Nitrate-Cool season	5 - 10 ppm	13.50
Phosphorus	2 - 10 ppm	0.81
Potassium	40 - 100 ppm	24.11
Calcium	60 - 200 ppm	21.57
Magnesium	20 - 70 ppm	6.11
Sodium	0 - 30 ppm	17.29
Soluble Salts	<1,920 ppm	194.00
Bicarbonate	<60 ppm	31.73
Chloride	<1,000 ppm	19.50
SAR	<4%	0.82

GREENS	Acceptable Range For Saturated Paste Sample	1,17 (avg) 10/5/18
Nitrate - Bentgrass/Poa	1-3 ppm	3.00
Phosphorus	2 - 7 ppm	2.16
Potassium	25-40 ppm	10.08
Calcium	50- 75 ppm	11.08
Magnesium	15-30 ppm	2.63
Sodium	0 - 30 ppm	8.93
Soluble Salts	<1,000 ppm	89.00
Bicarbonate	<60 ppm	28.06
Chloride	<200 ppm	10.50
SAR	<4%	0.63