



Client: Seven Oaks Country Club
Spring 2025 Report

	<u>3/7/23</u>	<u>3/16/24</u>	<u>4/25/25</u>
Humidity/Air Temperature	60%/57°	50%/72°	60%/69°
Greens Temperature	(avg)50°	(avg)49°	(avg)60°
Fairway Temperature	(avg)51°	(avg)52°	(avg)62°

WATER	Acceptable Range For Water Sample	Islands Hole #8 <u>3/7/23</u>	Oaks Hole #2 <u>3/16/24</u>	Oaks Hole #3 <u>4/25/25</u>
pH	6.3-6.5	6.87	7.42	7.74
EC	<2.25 mmhos/cm	0.22	0.19	0.21
Sodium		19.11	20.12	23.57
Calcium	20 - 60 ppm	24.00	18.73	19.16
Magnesium	10 - 25 ppm	<0.20	<0.20	0.30
Potassium	5 - 20 ppm	2.41	2.22	3.09
Sulfur	30 - 90 ppm	13.60	15.02	14.15
Bicarbonate	<120 ppm	104.74	74.24	73.94
Boron	<0.67 ppm	0.11	0.10	0.14
Chloride	<177 ppm	6.98	14.13	10.89



SOIL AND WATER CONSULTING

TEES	Acceptable Range For Alkaline Soils Sample	Oaks 3 3/15/19	Oaks 3 4/25/25	Lakes 3 3/15/19	Lakes 3 4/25/25	Islands 3 3/15/19	Islands 3 4/25/25
Organic Matter (Humus)	2 - 3%	3.89	2.69	3.19	2.53	3.79	4.03
Sulfur	12 - 16 ppm	12.00	11.00	9.00	18.00	35.00	22.00
Olsen - Phosphorus	13 - 20 ppm	13.00	5.00	8.00	10.00	19.00	3.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	2,830.00	3,098.00	2,416.00	2,686.00	3,106.00	3,210.00
Magnesium	>7% base saturation or at least 200 lbs/acre	9.99%/216	6.78%/150	14.08%/268	5.37%/102	11.68%/288	9.02%/214
Potassium - TEC of 0 - 35	100 ppm	166.00	128.00	109.00	103.00	110.00	96.00
Manganese	>50 ppm	23.00	31.00	31.00	32.00	58.00	30.00

FAIRWAYS	Acceptable Range For Standard Soil Sample	Oaks 3 3/15/19	Oaks 3 4/25/25	Lakes 3 3/15/19	Lakes 3 4/25/25	Islands 3 3/15/19	Islands 3 4/25/25
Organic Matter (Humus)	2 - 3%	3.25	3.63	n/r	2.03	3.15	2.60
Sulfur	50 - 100 ppm	12.00	18.00	n/r	20.00	19.00	18.00
Mehlich III - Phosphorus	200 lbs/acre	376.00	398.00	n/r	179.00	160.00	133.00
Calcium	68%	73.41	77.08	n/r	80.50	73.75	77.19
Magnesium	15%	11.37	8.71	n/r	7.60	15.01	10.42
Potassium	5%	5.64	6.01	n/r	5.26	2.01	3.90
Sodium	<2%	3.58	3.94	n/r	3.09	5.06	4.43
Boron	1 - 1.5 ppm	0.76	0.84	n/r	0.68	0.99	0.74
Iron	120 ppm	206.00	287.00	n/r	154.00	205.00	247.00
Manganese	50 ppm	16.00	16.00	n/r	39.00	24.00	15.00

GREENS	Acceptable Range For Alkaline Soils Sample	Oaks 3 3/15/19	Oaks 3 4/25/25	Lakes 3 3/15/19	Lakes 3 4/25/25	Islands 3 3/15/19	Islands 3 4/25/25
Organic Matter (Humus)	2 - 3%	1.28	1.32	1.21	1.28	0.81	0.52
Sulfur	12 - 16 ppm	8.00	62.00	7.00	57.00	8.00	31.00
Olsen - Phosphorus	13 - 20 ppm	21.00	25.00	34.00	16.00	24.00	11.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	1,948.00	2,126.00	1,636.00	2,554.00	978.00	988.00
Magnesium	>7% base saturation or at least 200 lbs/acre	13.31%/198	8.75%/142	16.89%/240	7.15%/142	18.05%/162	10.03%/78
Potassium - TEC of 0 - 35	150 ppm	59.00	151.00	192.00	253.00	111.00	75.00
Manganese	>50 ppm	80.00	81.00	68.00	68.00	57.00	55.00

TEE	Acceptable Range For Saturated Paste Sample	Islands 3 4/25/25
Nitrate - Ryegrass	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	0.26
Potassium	40 - 100 ppm	8.59
Calcium	60 - 200 ppm	18.34
Magnesium	20 - 70 ppm	4.84
Sodium	0 - 30 ppm	26.30
Soluble Salts	<1,920 ppm	161.00
Bicarbonate	<60 ppm	58.86
Chloride	<1,000 ppm	27.00
SAR	<4%	1.41

FAIRWAY	Acceptable Range For Saturated Paste Sample	Islands 3 4/25/25
Nitrate - Ryegrass	10-15 ppm	<0.5
Phosphorus	2 - 10 ppm	0.64
Potassium	40 - 100 ppm	15.80
Calcium	60 - 200 ppm	24.59
Magnesium	20 - 70 ppm	4.74
Sodium	0 - 30 ppm	48.29
Soluble Salts	<1,920 ppm	220.00
Bicarbonate	<60 ppm	80.79
Chloride	<1,000 ppm	41.00
SAR	<4%	2.34

GREEN	Acceptable Range For Saturated Paste Sample	Islands 3 4/25/25
Nitrate - Dominator Bentgrass	1-3 ppm	<0.5
Phosphorus	2 - 7 ppm	0.95
Potassium	25-40 ppm	25.10
Calcium	50- 75 ppm	39.03
Magnesium	15-30 ppm	7.08
Sodium	0 - 30 ppm	29.75
Soluble Salts	<1,000 ppm	284.00
Bicarbonate	<60 ppm	47.20
Chloride	<200 ppm	9.00
SAR	<4%	1.15

Nutrient Deficiencies

			Mg	K
ISLAND	TEE	3	214	96
ISLAND	GREEN	3	78	75
LAKES	TEE	3	102	103
LAKES	GREEN	3	142	253
OAKS	TEE	3	150	128
OAKS	GREEN	3	142	151

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 one time on the areas in red **except** for Island Green 3- Two applications on that green.

Comments

- We discussed some of the areas in the fairways (bermudagrass) that were off color and lagging in growth. After probing the areas, we saw moisture on top but not very deep in the profile. I believe the spots are compacted and could use specific aerification and spraying acid-based products such as **pHacid**. That combination should help those spots get water deeper thus enhancing the grass.
- The roots on the greens were in excellent condition and still deep. One thing I observed is what I think is the greens-mix “tightening up”. The greens were not completely renovated and 2 of the nines were roto-tilled. Tilling areas is good, but it will recompact back. It is always hard to predict how the sand, silt and clay particles will settle back in the green’s cavity. I mention it for you to have it in mind when you decide exactly which aerification tool to use. Drill and Fill would be an option to help with the soil tightening up.
- You had begun to kill Island Fairway #5 in preparation to trial several bermudagrass varieties to determine what would be used in a possible upcoming renovation.