



Client: DragonRidge Country Club
Spring 2024 Report

4/8/24	
Humidity/Air Temperature	20%/69°
Green Temperature	(avg)53°

WATER	Acceptable Range For Water Sample	Irrigation Water Fairway #1 4/8/24
pH	6.0-6.5	7.33
EC	<2.25 mmhos/cm	2.05
Sodium		277.83
Calcium	20 - 60 ppm	95.92
Magnesium	10 - 25 ppm	28.69
Potassium	5 - 20 ppm	20.50
Phosphorus	0.1 - 0.4 ppm	2.55
Nitrate	5 - 50 ppm	11.93
Sulfur	30 - 90 ppm	266.86
Bicarbonate	<120 ppm	180.60
Boron	<0.67 ppm	0.32
Chloride	<177 ppm	478.28

GREENS	Acceptable Range For Alkaline Soils Sample	All Greens (avg) 4/8/24
Organic Matter (Humus)	2 - 3%	0.86
Sulfur	12 - 16 ppm	23.55
Olsen - Phosphorus	13 - 20 ppm	11.40
Calcium - TEC of 6 - 12	1,000 lbs/acre	2,018.50
Magnesium	>7% base saturation or at least 200 lbs/acre	12.82%/198.70
Potassium - TEC of 0 - 35	150 ppm	71.95
Manganese	50-80 ppm	25.90

GREENS	Acceptable Range For Saturated Paste Sample	PG, Range PG, 5,10,15(avg) 4/8/24
Nitrate - Dominator	1-3 ppm	<0.5
Phosphorus	2 - 7 ppm	4.30
Potassium	25-40 ppm	29.60
Calcium	50- 75 ppm	70.93
Magnesium	15-30 ppm	21.44
Sodium	0 - 30 ppm	70.57
Soluble Salts	<1,000 ppm	494.40
Bicarbonate	<60 ppm	141.11
Chloride	<200 ppm	71.60
SAR	<4%	1.88

Nutrient Deficiencies

		K	Mn(50-80)
GREEN	PG	67	36
GREEN	1	50	42
GREEN	2	45	36
GREEN	3	43	24
GREEN	4	48	21
GREEN	5	45	25
GREEN	6	48	25
GREEN	7	41	24
GREEN	8	41	19
GREEN	9	50	22
GREEN	10	56	36
GREEN	11	50	19
GREEN	12	43	20
GREEN	13	40	19
GREEN	14	51	25
GREEN	15	37	29
GREEN	16	38	24
GREEN	17	39	28
GREEN	18	52	21
GREEN	RANGE	49	23

Potassium can be added in the form of 0-0-50 at a rate of 2 pounds of product per 1,000 sq ft monthly

Manganese can be added in the form of Manganese Oxide or sulfate at a rate of 3 pounds of product per 1,000 sq ft in April and May.

Comments and Next Level Cultural Practices

- The nitrogen is low and can be added, as necessary. I liked where the greens were when I visited. You have not had the natural “flush of growth” yet. Soil temperatures remain in the low 50’s.
- Overall, the numbers are very good for new greens! Potassium ebbs and flows and Manganese levels should be sufficient in 2-3 more applications.
- Consider using a Ninja or small coring tine for May aeration.

