



Client: DragonRidge Country Club

Spring 2023 Report

	6/13/23
Humidity/Air Temperature	20%/90°
Greens Temperature	n/r
Fairway Temperature	(avg)72.5°

WATER	Acceptable Range For Water Sample	Hole #1 6/13/23
pH	6.0-6.5	6.74
EC	<2.25 mmhos/cm	1.95
Nitrate		9.04
Sodium		2.45
Calcium	20 - 60 ppm	92.62
Magnesium	10 - 25 ppm	31.39
Potassium	5 - 20 ppm	20.97
Sulfur	30 - 90 ppm	360.90
Bicarbonate	<120 ppm	117.48
Boron	<0.67 ppm	0.38
Chloride	<177 ppm	381.78

FAIRWAYS	Acceptable Range For Alkaline Soils Sample	1,9,10,18(avg) 6/13/23
Organic Matter (Humus)	2 - 3%	11.92
Sulfur	12 - 16 ppm	314.75
Olsen - Phosphorus	13 - 20 ppm	51.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	3,049.50
Magnesium	>7% base saturation or at least 200 lbs/acre	13.36%/354.5
Potassium - TEC of 0 - 35	100 ppm	163.75
Manganese	>50 ppm	20.50

FAIRWAYS	Acceptable Range For Saturated Paste Sample	1,9,10(avg) 6/13/23
Nitrate - Ryeagrass	5 - 10 ppm	<0.5
Phosphorus	2 - 10 ppm	3.92
Potassium	40 - 100 ppm	58.12
Calcium	60 - 200 ppm	70.79
Magnesium	20 - 70 ppm	23.49
Sodium	0 - 30 ppm	264.89
Soluble Salts	<1,920 ppm	1,054.33
Bicarbonate	<60 ppm	138.55
Chloride	<1,000 ppm	301.67
SAR	<4%	6.97

Nutrient Deficiencies

		S	K	Na
FAIRWAY	1	108	178	347
FAIRWAY	9	89	122	239
FAIRWAY	10	138	164	324
FAIRWAY	18	924	191	449

Calcium can be added in the form of gypsum at a rate of 500 pounds of product per acre 2 times through Summer.

Comments

- Sulfur Burner usage seems sufficient currently. Where that Sulfur gets “stuck” like in 18 fairway, that is more of a soil drainage issue than a sulfur issue.
- I would recommend applying gypsum through Summer to offset the Sodium levels. Sodium in the water or “stuck” in the soil, is what I believe dehydrates the plant as Summer is prolonged.