



Client: DragonRidge Country Club

Fall 2023 Report

	<u>9/11/23</u>
Humidity/Air Temperature	30%/92°
Greens Temperature	(avg) 71.6°

WATER	Acceptable Range For Water Sample	Hole #11 Green 9/11/23
pH	6.0-6.5	7.82
EC	<2.25 mmhos/cm	1.06
Nitrate		0.59
Sodium		104.99
Calcium	20 - 60 ppm	82.11
Magnesium	10 - 25 ppm	24.71
Potassium	5 - 20 ppm	4.74
Sulfur	30 - 90 ppm	241.86
Bicarbonate	<120 ppm	194.35
Boron	<0.67 ppm	0.13
Chloride	<177 ppm	112.00

GREENS	Acceptable Range For Alkaline Soils Sample	WCS&G 90/10 5/4/22	PG,1,3,6(avg) 9/11/23
Organic Matter (Humus)	2 - 3%	0.62	0.58
Sulfur	12 - 16 ppm	14.00	11.00
Olsen - Phosphorus	13 - 20 ppm	8.00	9.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	2,084.00	1,665.00
Magnesium	>7% base saturation or at least 200 lbs/acre	10.19%/154	19.11%/269
Potassium - TEC of 0 - 35	100 ppm	31.00	50.50
Manganese	>50 ppm	8.00	9.75

GREENS	Acceptable Range For Saturated Paste Sample	PG,1,3,6 9/11/23
Nitrate - Dominator Bentgrass	1-3 ppm	3.95
Phosphorus	2-7 ppm	2.39
Potassium	25-40 ppm	10.15
Calcium	50- 75 ppm	11.75
Magnesium	15-30 ppm	5.38
Sodium	0 - 30 ppm	29.88
Soluble Salts	<1,000 ppm	179.75
Bicarbonate	<60 ppm	58.20
Chloride	<200 ppm	12.75
SAR	<4%	1.83

Nutrient Deficiencies

		P	Ca	K	Na	Mn
GREEN	1	3	1988	74	48	10
GREEN	3	7	1414	36	40	9
GREEN	6	15	1852	46	37	10
GREEN	P.G.	11	1406	46	35	10

Phosphorus can be added in the form of 11-55-00 at a rate of 3 pounds of product per 1,000 sq. ft. three times in the next three months.

Potassium can be added in the form of 0-0-50 at a rate of 2 pounds of product per 1,000 sq. ft. six times in the next three months.

Manganese can be added in the form of Manganese Oxide or Manganese Sulfate at a rate of 2 pounds of product per 1,000 sq. ft. three times in the next three months

Comments

- It is early in the process, but you can work on these nutrient deficiencies through the grow-in.
- Topdress as much as you can as soon as you can. The Meter-matic should be able to help you get on them sooner and lay down sand better than push spreaders.
- I'd like to have you send another 4 greens into the lab when the next set of greens is able to be walked on. (2,4,10,13)