



SOIL AND WATER CONSULTING

Data Collection Report

Spring 2018

Client: Canyon Gate Country Club



	<u>3/7/18</u>	<u>4/13/18</u>	<u>4/27/18</u>	<u>5/19/18</u>
Humidity/AirTemperature	11%/57°	n/r	n/r	n/r
Greens Soil Temperature	51°	n/r	n/r	n/r
Times of Sample Collection	n/r	6:15 am-7:15 am	5:45 am-7:00 am	5:30 am-6:30 am

	<u>5/2,3/18</u>	<u>5/16/18</u>
Nutrients	N,K	N,K
Sprayed	Ca, Mg,S,Zn,Cu,Mn, Fe,Si	Mg,S,Zn,Cu,Mn, Fe,Si

Testing Results

	Acceptable Range For Water Sample	Direct Pipe 3/7/18
EC	<2.25 mmhos/cm	1.78
Sodium		222.10
Calcium	20 - 60 ppm	78.45
Magnesium	10 - 25 ppm	23.65
Potassium	5 - 20 ppm	20.88
Nitrate	10-25 ppm	16.04
Phosphorus	0.1-0.4 ppm	1.35
Sulfur	30 - 90 ppm	226.38
Bicarbonate	<120 ppm	148.11
Boron	<0.67 ppm	0.35
Chloride	<177 ppm	292.59

GREENS	Acceptable Range For Tissue Sample	Even # Greens (avg)	1,7,11 (avg)	1,7,11 (avg)	1,7,11 (avg)
		<u>3/7/18</u>	<u>4/13/18</u>	<u>4/27/18</u>	<u>5/19/18</u>
Nitrogen	3.0%-6.5%	5.34	6.35	5.50	6.03
Phosphorus	0.2%-0.55%	0.59	0.61	0.57	0.66
Potassium	0.86%-2.55%	2.32	2.46	1.92	2.06
Calcium	0.21%-0.50%	0.56	0.61	0.59	0.62
Magnesium	0.09%-0.22%	0.30	0.33	0.27	0.32
Sulfur	0.23%-0.39%	0.59	0.75	0.68	0.79
Boron	5-24 ppm	41.62	48.17	40.37	44.27
Iron	99-500 ppm	570.89	196.67	397.67	179.33
Manganese	30-160 ppm	408.11	425.00	268.00	249.67
Copper	9-40 ppm	64.40	59.43	59.07	42.67
Zinc	5-60 ppm	75.57	102.93	94.57	111.20
Aluminum	63- 408 ppm	199.89	86.70	66.33	40.17
Sodium	506- 2264 ppm	4,646.67	5,206.67	3,156.67	3,156.67