



Client: Anaheim Hills Golf Course
Spring 2024 Report

<u>3/20/24</u>	
Humidity/Air Temperature	50%/72°
Greens Temperature	(avg)54°
Fairway Temperature	(avg)58°

WATER	Acceptable Range For Water Sample	Hole #14 3/20/24
pH	6.3-6.5	7.79
EC	<2.25 mmhos/cm	0.95
Sodium		104.41
Calcium	20 - 60 ppm	71.65
Magnesium	10 - 25 ppm	25.84
Potassium	5 - 20 ppm	4.94
Sulfur	30 - 90 ppm	240.23
Bicarbonate	<120 ppm	176.31
Boron	<0.67 ppm	0.14
Chloride	<177 ppm	111.49

GREENS	Acceptable Range For Alkaline Soils Sample	4 (360/440) 3/20/24	8 (360/440) 3/20/24	16 (360/440) 3/20/24
Organic Matter (Humus)	2 - 3%	1.71/1.96	1.67/2.09	0.77/0.73



TEES	Acceptable Range For Alkaline Soils Sample	4,8,16(avg) 3/20/24
Organic Matter (Humus)	2 - 3%	5.37
Sulfur	12 - 16 ppm	59.00
Olsen - Phosphorus	13 - 20 ppm	53.33
Calcium - TEC of 6 - 12	1,000 lbs/acre	3,525.33
Magnesium	>7% base saturation or at least 200 lbs/acre	16.9%/496.66
Potassium - TEC of 0 - 35	100 ppm	96.00
Manganese	>50 ppm	18.33

GREENS	Acceptable Range For Alkaline Soils Sample	4,8(avg) 3/20/24
Organic Matter (Humus)	2 - 3%	1.69
Sulfur	12 - 16 ppm	12.50
Olsen - Phosphorus	13 - 20 ppm	7.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	1,543.00
Magnesium	>7% base saturation or at least 200 lbs/acre	17.66%/219
Potassium - TEC of 0 - 35	150 ppm	24.50
Manganese	>50 ppm	55.00

TEES	Acceptable Range For Saturated Paste Sample	4,8,16(avg) 3/20/24
Nitrate	10-15 ppm	<0.7
Phosphorus	2 - 10 ppm	1.52
Potassium	40 - 100 ppm	16.94
Calcium	60 - 200 ppm	80.33
Magnesium	20 - 70 ppm	22.04
Sodium	0 - 30 ppm	70.98
Soluble Salts	<1,920 ppm	514.00
Bicarbonate	<60 ppm	123.47
Chloride	<1,000 ppm	37.33
SAR	<4%	1.83

GREENS	Acceptable Range For Saturated Paste Sample	4 3/20/24
Nitrate - Bentgrass/Poa	1-3 ppm	1.90
Phosphorus	2 - 7 ppm	1.07
Potassium	25-40 ppm	6.41
Calcium	50- 75 ppm	20.76
Magnesium	15-30 ppm	6.01
Sodium	0 - 30 ppm	24.04
Soluble Salts	<1,000 ppm	172.00
Bicarbonate	<60 ppm	52.52
Chloride	<200 ppm	13.00
SAR	<4%	1.20

Spring Application for Tees:	200 pounds of product/acre (0-0-50)	100 pounds of product/acre (Pro-Mag)	1.5 pounds of Phosphorus / 1,000 sq.ft.	500 pounds of product/acre gypsum		
	yes					
Monthly Applications for Greens:	2 pounds of product / 1,000 sq. ft. (0-0-50)	3 pounds of product / 1,000 sq.ft. (Pro-Mag)	1.5 pounds of Phosphorus / 1,000 sq.ft.	3 pounds of product / 1,000 sq.ft. (Techmagnum)	10 pounds of product / 1,000 sq.ft. (Gypsum)	Acid- Based Spray Product
	yes		yes			yes

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

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