



Client: Anaheim Hills Golf Course
Spring 2025 Report

	<u>3/20/24</u>	<u>4/21/25</u>
Humidity/Air Temperature	50%/72°	38%/77°
Greens Temperature	(avg)54°	(avg)65°
Fairway Temperature	(avg)58°	(avg)64°

WATER	Acceptable Range For Water Sample	Hole #14 <u>3/20/24</u>	Hole #1 <u>4/21/25</u>
pH	6.3-6.5	7.79	7.87
EC	<2.25 mmhos/cm	0.95	1.02
Sodium		104.41	104.12
Calcium	20 - 60 ppm	71.65	71.92
Magnesium	10 - 25 ppm	25.84	27.30
Potassium	5 - 20 ppm	4.94	5.10
Sulfur	30 - 90 ppm	240.23	250.94
Bicarbonate	<120 ppm	176.31	147.76
Boron	<0.67 ppm	0.14	0.14
Chloride	<177 ppm	111.49	104.17



TEES	Acceptable Range For Alkaline Soils Sample	4,8,16(avg) 3/20/24	1,10,18(avg) 4/21/25
Organic Matter (Humus)	2 - 3%	5.37	3.17
Sulfur	12 - 16 ppm	59.00	100.67
Olsen - Phosphorus	13 - 20 ppm	53.33	34.67
Calcium - TEC of 6 - 12	1,000 lbs/acre	3,525.33	3,508.67
Magnesium	>7% base saturation or at least 200 lbs/acre	16.9%/496.66	14.73%/414
Potassium - TEC of 0 - 35	100 ppm	96.00	91.00
Manganese	>50 ppm	18.33	9.67

FAIRWAYS	Acceptable Range For Alkaline Soils Sample	4,8,16(avg) 3/20/24	1,10,18(avg) 4/21/25
Organic Matter (Humus)	2 - 3%	n/r	6.23
Sulfur	12 - 16 ppm	n/r	359.00
Olsen - Phosphorus	13 - 20 ppm	n/r	40.33
Calcium - TEC of 6 - 12	1,000 lbs/acre	n/r	5,650.00
Magnesium	>7% base saturation or at least 200 lbs/acre	n/r	21.22%/1,186.66
Potassium - TEC of 0 - 35	100 ppm	n/r	441.33
Manganese	>50 ppm	n/r	19.33

GREENS	Acceptable Range For Alkaline Soils Sample	4,8(avg) 3/20/24	1,10(avg) 4/21/25
Organic Matter (Humus)	2 - 3%	1.69	0.33
Sulfur	12 - 16 ppm	12.50	38.50
Olsen - Phosphorus	13 - 20 ppm	7.00	<0.2
Calcium - TEC of 6 - 12	1,000 lbs/acre	1,543.00	1,379.00
Magnesium	>7% base saturation or at least 200 lbs/acre	17.66%/219	17.74%/218.66
Potassium - TEC of 0 - 35	150 ppm	24.50	26.00
Manganese	>50 ppm	55.00	4.50

TEE	Acceptable Range For Saturated Paste Sample	4,8,16(avg) 3/20/24	1 4/21/25
Nitrate -Bermudagrass	5 - 10 ppm	<0.7	<0.5
Phosphorus	2 - 10 ppm	1.52	1.39
Potassium	40 - 100 ppm	16.94	20.93
Calcium	60 - 200 ppm	80.33	51.85
Magnesium	20 - 70 ppm	22.04	14.59
Sodium	0 - 30 ppm	70.98	78.86
Soluble Salts	<1,920 ppm	514.00	515.00
Bicarbonate	<60 ppm	123.47	106.73
Chloride	<1,000 ppm	37.33	55.00
SAR	<4%	1.83	2.49

FAIRWAY	Acceptable Range For Saturated Paste Sample	4,8,16(avg) 3/20/24	1 4/21/25
Nitrate - Kikuyugrass	10-15 ppm	n/r	<0.5
Phosphorus	2 - 10 ppm	n/r	3.80
Potassium	40 - 100 ppm	n/r	27.98
Calcium	60 - 200 ppm	n/r	39.94
Magnesium	20 - 70 ppm	n/r	19.49
Sodium	0 - 30 ppm	n/r	78.80
Soluble Salts	<1,920 ppm	n/r	451.00
Bicarbonate	<60 ppm	n/r	131.64
Chloride	<1,000 ppm	n/r	75.00
SAR	<4%	n/r	2.55

GREENS	Acceptable Range For Saturated Paste Sample	4 3/20/24	1,10 4/21/25
Nitrate -poa/ Bentgrass	1-3 ppm	1.90	<0.5
Phosphorus	2 - 7 ppm	1.07	0.29
Potassium	25-40 ppm	6.41	6.41
Calcium	50- 75 ppm	20.76	27.70
Magnesium	15-30 ppm	6.01	7.92
Sodium	0 - 30 ppm	24.04	37.85
Soluble Salts	<1,000 ppm	172.00	248.00
Bicarbonate	<60 ppm	52.52	40.74
Chloride	<200 ppm	13.00	22.00
SAR	<4%	1.20	1.63

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 **Greens #1 and #10 only**

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

Manganese can be added in the form of Manganese sulfate or oxide at a rate of 3 pounds of product per 1,000 sq ft **Greens #1 and #10 only**