



SOIL AND WATER CONSULTING

Data Collection Report

Fall 2018

Date of Collection: 9/12/18

Client: Los Robles Greens Golf Course



Testing Results

<u>9/12/18</u>	
Humidity/Air Temperature	50%/84°
Greens Temperature	(avg)74.3°
Fairway Temperature	76.8°

WATER	Acceptable Range For Water Sample	Hole #7 9/12/18
EC	<2.25 mmhos/cm	0.40
Sodium		44.55
Calcium	20 - 60 ppm	18.21
Magnesium	10 - 25 ppm	8.16
Potassium	5 - 20 ppm	4.52
Sulfur	30 - 90 ppm	37.53
Bicarbonate	<120 ppm	61.91
Boron	<0.67 ppm	0.22
Chloride	<177 ppm	47.49

FAIRWAY	Acceptable Range For Alkaline Soils Sample	14 9/12/18
Organic Matter (Humus)	2 - 3%	8.74
Sulfur	12 - 16 ppm	93.00
Olsen - Phosphorus	13 - 20 ppm	28.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	4,776.00
Magnesium	>7% base saturation or at least 200 lbs/acre	27.05%/1,346
Potassium - TEC of 0 - 35	100 ppm	469.00
Manganese	50-80 ppm	73.00

GREENS	Acceptable Range For Alkaline Soils Sample	1,5,18(avg) 9/12/18
Organic Matter (Humus)	2 - 3%	1.10
Sulfur	12 - 16 ppm	21.67
Olsen - Phosphorus	13 - 20 ppm	8.67
Calcium - TEC of 6 - 12	1,000 lbs/acre	1,530.67
Magnesium	>7% base saturation or at least 200 lbs/acre	17.54%/231.3
Potassium - TEC of 0 - 35	150 ppm	110.33
Manganese	50-80 ppm	31.67

FAIRWAY	Acceptable Range For Saturated Paste Sample	14 9/12/18
Nitrate	10 -15 ppm	<0.5
Phosphorus	2 - 10 ppm	0.85
Potassium	40 - 100 ppm	81.29
Calcium	60 - 200 ppm	307.83
Magnesium	20 - 70 ppm	159.64
Sodium	0 - 30 ppm	277.16
Soluble Salts	<1,920 ppm	2,390.00
Bicarbonate	<60 ppm	224.52
Chloride	<1,000 ppm	175.00
SAR	<4%	3.19

GREENS	Acceptable Range For Saturated Paste Sample	1,5,18(avg) 9/12/18
Nitrate- Bentgrass/poa	1-3 ppm	<0.5
Phosphorus	2 - 7 ppm	3.24
Potassium	25-40 ppm	37.30
Calcium	50- 75 ppm	46.63
Magnesium	15-30 ppm	17.36
Sodium	0 - 30 ppm	54.46
Soluble Salts	<1,000 ppm	399.00
Bicarbonate	<60 ppm	147.24
Chloride	<200 ppm	54.00
SAR	<4%	1.73