



Client: City of Kingman Parks
Fall 2023 Report

SOUTHSIDE PARK	Acceptable Range For Alkaline Soils Sample	Football 9/23/21	Football 9/12/22	Football 9/12/23
Organic Matter (Humus)	2 - 3%	4.70	4.86	4.85
Sulfur	12 - 16 ppm	49.00	30.00	18.00
Olsen - Phosphorus	13 - 20 ppm	68.00	65.00	71.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	5,192.00	5,760.00	4,226.00
Magnesium	>7% base saturation or at least 200 lbs/acre	23.63%/1112	22.62%/1,162	25.68%/1,022
Potassium - TEC of 0 - 35	100 ppm	345.00	392.00	315.00
Manganese	>50 ppm	65.00	62.00	45.00

CENTENNIAL PARK SOCCER	Acceptable Range For Alkaline Soils Sample	South 9/23/21	South 9/12/22	South 9/12/23	North 9/23/21	North 9/12/22	North 9/12/23
Organic Matter (Humus)	2 - 3%	5.64	5.07	4.70	4.90	3.96	5.24
Sulfur	12 - 16 ppm	36.00	23.00	30.00	40.00	47.00	19.00
Olsen - Phosphorus	13 - 20 ppm	35.00	31.00	22.00	48.00	41.00	22.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	4,556.00	5,176.00	4,076.00	5,688.00	6,132.00	3,896.00
Magnesium	>7% base saturation or at least 200 lbs/acre	26.63%/1196	26.20%/1,308	26.70%/1,086	26.84%/1500	27.61%/1688	29.69%/1,244
Potassium - TEC of 0 - 35	100 ppm	477.00	490.00	481.00	580.00	685.00	579.00
Manganese	>1 ppm	60.00	74.00	46.00	69.00	98.00	54.00

SOUTHSIDE PARK	Acceptable Range For Saturated Paste Sample	Football 9/23/21	Football 9/12/22	Football 9/12/23
Nitrate - Ryegrass	5 - 10 ppm	22.30	20.40	45.00
Phosphorus	2 - 10 ppm	5.04	4.50	5.74
Potassium	40 - 100 ppm	24.85	24.26	39.11
Calcium	60 - 200 ppm	63.67	48.43	72.55
Magnesium	20 - 70 ppm	34.68	25.48	36.65
Sodium	0 - 30 ppm	46.51	32.53	60.25
Soluble Salts	<1,920 ppm	498.00	376.00	636.00
Bicarbonate	<60 ppm	161.18	134.69	236.01
Chloride	<1,000 ppm	44.00	37.00	69.00
SAR	<4%	1.16	0.94	1.44

CENTENNIAL PARK SOCCER	Acceptable Range For Saturated Paste Sample	South 9/23/21	South 9/12/22	South 9/12/23	North 9/23/21	North 9/12/22	North 9/12/23
Nitrate - Ryegrass	5 - 10 ppm	28.40	9.00	4.10	36.60	2.50	27.80
Phosphorus	2 - 10 ppm	7.46	4.49	4.62	5.53	3.42	4.39
Potassium	40 - 100 ppm	43.92	24.23	36.87	33.88	14.91	59.65
Calcium	60 - 200 ppm	49.18	27.19	67.74	61.90	23.27	46.25
Magnesium	20 - 70 ppm	30.10	15.60	34.05	37.57	13.34	28.08
Sodium	0 - 30 ppm	53.25	23.26	54.64	57.44	20.06	49.43
Soluble Salts	<1,920 ppm	503.00	256.00	509.00	560.00	202.00	533.00
Bicarbonate	<60 ppm	149.74	115.44	226.13	184.46	108.61	225.35
Chloride	<1,000 ppm	32.00	15.00	73.00	37.00	15.00	36.00
SAR	<4%	1.47	0.88	1.35	1.42	0.82	1.41