



Client: City of Kingman Parks
Spring 2024 Report

SOUTHSIDE PARK	Acceptable Range For Alkaline Soils Sample	Football 3/16/22	Football 3/13/23	Football 4/9/24
Organic Matter (Humus)	2 - 3%	5.16	5.47	2.13
Sulfur	12 - 16 ppm	25.00	13.00	14.00
Olsen - Phosphorus	13 - 20 ppm	67.00	85.00	6.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	4,802.00	5,348.00	3,326.00
Magnesium	>7% base saturation or at least 200 lbs/acre	27.18%/1270	26.80%/1,352	19.89%/600
Potassium - TEC of 0 - 35	100 ppm	423.00	403.00	397.00
Manganese	>50 ppm	48.00	52.00	36.00

CENTENNIAL PARK SOCCER	Acceptable Range For Alkaline Soils Sample	South 3/16/22	North 3/16/22	South 3/13/23	North 3/13/23	South 4/9/24	North 4/9/24
Organic Matter (Humus)	2 - 3%	6.24	4.46	5.87	5.51	5.06	5.37
Sulfur	12 - 16 ppm	15.00	14.00	9.00	7.00	22.00	33.00
Olsen - Phosphorus	13 - 20 ppm	49.00	24.00	44.00	33.00	21.00	19.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	4,094.00	4,500.00	4,548.00	4,336.00	4,100.00	4,252.00
Magnesium	>7% base saturation or at least 200 lbs/acre	33.72%/1,590	30.08%/1,436	29.92%/1,394	28.76%/1,234	30.82%/1,352	28.24%/1,218
Potassium - TEC of 0 - 35	100 ppm	590.00	575.00	477.00	396.00	532.00	480.00
Manganese	>50 ppm	54.00	92.00	49.00	50.00	57.00	64.00

SOUTHSIDE PARK	Acceptable Range For Saturated Paste Sample	Football 3/16/22	Football 3/13/23	Football 4/9/24
Nitrate - Cool season mix	5 - 10 ppm	<0.5	<0.5	<0.5
Phosphorus	2 - 10 ppm	5.44	6.76	3.75
Potassium	40 - 100 ppm	30.49	52.25	76.85
Calcium	60 - 200 ppm	75.69	114.47	61.20
Magnesium	20 - 70 ppm	45.20	61.40	31.10
Sodium	0 - 30 ppm	60.22	48.96	83.97
Soluble Salts	<1,920 ppm	522.00	671.00	636.00
Bicarbonate	<60 ppm	242.40	483.31	243.67
Chloride	<1,000 ppm	67.00	64.00	157.00
SAR	<4%	1.35	0.92	2.18

CENTENNIAL PARK SOCCER	Acceptable Range For Saturated Paste Sample	South 3/16/22	North 3/16/22	South 3/13/23	North 3/13/23	South 4/9/24	North 4/9/24
Nitrate - Cool season mix	5 - 10 ppm	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phosphorus	2 - 10 ppm	8.39	6.28	9.83	11.97	5.62	3.55
Potassium	40 - 100 ppm	44.00	43.39	46.04	68.64	24.98	30.85
Calcium	60 - 200 ppm	49.21	63.75	97.86	107.33	34.21	47.52
Magnesium	20 - 70 ppm	30.15	38.61	53.56	66.70	18.65	25.42
Sodium	0 - 30 ppm	55.56	62.09	40.60	45.53	33.10	40.57
Soluble Salts	<1,920 ppm	422.00	529.00	563.00	704.00	318.00	363.00
Bicarbonate	<60 ppm	205.59	167.56	403.68	470.46	158.68	167.34
Chloride	<1,000 ppm	51.00	65.00	44.00	60.00	20.00	28.00
SAR	<4%	1.54	1.51	0.82	0.85	1.13	1.18



SOIL AND WATER CONSULTING