

	<u>5/4/23</u>	<u>5/25/24</u>	<u>5/21/25</u>
Humidity/Air Temperature	65%/55°	45%/55°	rainy/55°
Field Temperature	(avg)52.5°	(avg)70°	(avg)62°

WATER	Acceptable Range For Water Sample	Irrigation 5/4/23	Irrigation 5/25/24	Irrigation 5/21/25
pH	6.0-6.5	6.81	7.57	7.18
EC	<2.25 mmhos/cm	0.25	0.09	0.41
Calcium	20 - 60 ppm	27.15	5.81	27.51
Magnesium	10 - 25 ppm	4.49	1.29	9.62
Potassium	5 - 20 ppm	1.52	1.03	1.88
Phosphorus	0.1 - 0.4 ppm	0.65	10.77	n/r
Nitrate	5 - 50 ppm	<0.10	<0.10	n/r
Sulfur	30 - 90 ppm	14.79	5.03	44.57
Bicarbonate	<120 ppm	51.25	24.06	71.14
Boron	<0.67 ppm	<0.05	<0.05	<0.05
Chloride	<177 ppm	36.76	13.62	61.79



Nutrient Deficiencies

EAST RIVER	EVENTS	6	1,026	182	142
CENTRAL	FIELDS	6.1	866	210	106
SUNKEN MEADOWS	FIELD	6.3	946	110	46
ICHAN STADIUM	FIELD	6.8	902	80	70
Desired Values		6.5-7.0	1000+	200+	150+

Magnesium/Potassium can be added in the form of 0-0-22 at a rate of 200 pounds of product per acre on Ichan Stadium Field, Sunken Meadows Field and Central Field

Calcium can be added in the form of Hi-Cal Lime at a rate of 1,000 pounds of product per acre on Central Field and East River Fields

Next Level Cultural Practices

- We sampled an area that had been damaged on Hell Gate Field and unfortunately, there was no significant difference in the soils testing. My hope was that we would see high sodium content. There are many chemicals that could have damaged the turf. To determine exactly what happened with testing would be expensive and may not be decisive. As of my second visit, seed was still not germinating properly. To repair the area may involve roto-tilling and brining in a topsoil material. I would test an area first.
- Due to a package being lost during the shipping of the samples, I did collect samples again on 6/23/25. At that time, the fields were impressive! The above recommendations for amendments will aid in getting the fields through an already difficult weather pattern this summer.