



Irrigation Water Suitability Analysis

Precision Agri-Lab
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Log In #:

Branch Name:

Grower:

Fieldman:

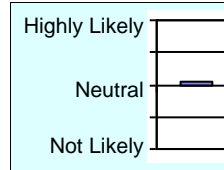
Description: WELL

Date Sampled:

pH	7.79
Electrical Conductivity (ECw in dS/m)	1.01
Sodium Adsorption Ratio (SAR)	4.21
Adjusted SAR	4.69
Hardness	193
Theoretical pH (pHc)	7.56
TDS (ppm)	

Sample #: 1

Scale Formation Tendency



Cations	meq/L	ppm	lbs/acre-inch	lbs/acre-foot	% of Total Cations
Calcium (Ca)	1.50	30	7	81	15
Magnesium (Mg)	2.39	29	6	78	23
Potassium (K)	0.44	17	4	46	4
Sodium (Na)	5.87	135	31	367	58
Total Cations	10.19				

Anions	meq/L	ppm	lbs/acre-inch	lbs/acre-foot	% of Total Anions
Bicarbonate + Carbonate (HCO ₃ +CO ₃)	7.00	427	97	1161	67
Chloride (Cl)	0.87	31	7	84	8
Sulfate (SO ₄ -S)	2.56	41	9	112	24
Nitrate (NO ₃ -N)	0.04	1	0	1	0
Nitrate (NO ₃)		2			
Total Anions	10.47				

Other	ppm	lbs/acre-inch	lbs/acre-foot
Boron (B)	0.05	0.0	0.1
Iron (Fe)	0.20	0.0	0.5
Manganese (Mn)	0.16	0.0	0.4

