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GUIDELINES FOR IRRIGATION WATER

Sodium Adsorption Ratio: The SAR should be less than 6 for soil permeability.

Specific Conductance: An estimate of dissolved salts in the water, specific conductance of 900 umhos/cm or greater may indicate excessive level of salt.

pH : Could affect plant growth. The recommended range is 6.8 – 8.2.

Boron: Toxic to plants. Concentrations of <0.50 mg/L are considered good quality and 0.50 – 1.0 mg/L is considered fair quality.

Total Alkalinity: Should be less than 600 mg/L.

Sodium: Excess could cause burning of plant leaves.

Calcium, Magnesium, & Iron: Can cause clogging of small valves and emitters.

Total Dissolved Solids: The recommended limit is 500 mg/L.

Calculated Hardness: 0-49 is considered soft.
50-99 is considered slightly hard.
100-149 is considered moderately hard.
150+ is considered hard.
The recommended range for hardness is 60-120.