## Section 9 of 22 (9b - Irrigation Water, Soil and Plant Tissue Analysis Interpretation Guide – Blank Copy)

<table>
<thead>
<tr>
<th>Producer:</th>
<th>Crop:</th>
<th>Yield:</th>
<th>Irrigation Water:</th>
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### Tillage Operations:

<table>
<thead>
<tr>
<th>Soil Texture:</th>
<th>Soil Structure:</th>
<th>Aggregate Stability:</th>
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### Nutrients

<table>
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<tr>
<th>ON = Organic Nitrogen mineralized</th>
<th>Irrigation Water Analysis (ppm x 0.23 x &quot; = lb/ac.)</th>
<th>Soil Analysis 0-6” depth</th>
<th>Nutrient Inputs (recommendations)</th>
<th>Plant Tissue Analysis</th>
<th>Should I Apply Nutrients?</th>
<th>Conservation Practices to consider for achieving sustainability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pounds per Acre</td>
<td>ppm x mg/Kg (6” depth)</td>
<td></td>
<td>% or ppm &amp; Rating (low - high)</td>
<td></td>
<td>- Yes (Y) No (N) (M) Not Sure (?) Other (O)</td>
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### Additional Assessments to Consider in evaluating your Cropping System (soil pH, free lime & CEC)

- Electrical Conductivity of Irrigation Water (ECiw) = mmhos/cm
- Sodium Adsorption Ratio (SAR) from water test = & pH =
- Refer to Irrigation Water Quality Guidelines (Sect.2) for infiltration assessment. Total Dissolved Solids = mg/l
- Soluble salts applied = lb/ac/yr.
- ECe (EC of Soil Saturation extract) = mmhos/cm & pH =
- Sodium Adsorption Ratio (SAR) from soil test =
- Refer to Crop Salt Tolerance Table (Section 2) to evaluate for potential yield reduction and salinity management considerations/options

**Additional Assessments**

- Sodium (none)
- Potassium (K2O)
- Phosphorus (P2O5)
- Calcium (none)
- Magnesium (none)
- Zinc (none)
- Iron (none)
- Manganese (none)
- Copper (none)
- Boron (none)
- Molybdenum (none)
- Sodium (use SAR)
- Chloride (none)
- Bicarbonate (none)
- Carbonate (none)

**Conservation Practices**

- Cover Crops
- Crop Rotations
- Manure or Compost
- Minimum-Till (No-Till); Residue mgt.
- IWM
- Soil Amendments (e.g. gypsum)
- IPM

**Reference:**