

ACCOUNT NUMBER



Scientists who don't mind getting dirty.™

## IRRIGATION WATER QUALITY\*

SUBMITTED BY

REFERENCE INFORMATION

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| LAB NUMBER<br>(lab use only) | LOCATION<br>(max 20 char) | SAMPLE ID<br>(max 20 char) | DATE<br>SAMPLED | TESTS REQUESTED |       |
|------------------------------|---------------------------|----------------------------|-----------------|-----------------|-------|
|                              |                           |                            |                 | W2              | OTHER |
|                              |                           |                            |                 |                 |       |
|                              |                           |                            |                 |                 |       |
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## \* TESTING OF IRRIGATION WATER QUALITY

**Background**

The concentration and composition of dissolved constituents in water combined with the amount of water used determines its quality for irrigation. Crops vary in their tolerance to various components of irrigation water. Soils can accumulate certain components of irrigation water to the point it becomes detrimental to plant growth. A comprehensive water analysis will indicate its suitability for irrigation use.

**Sampling**

Use a clean 16 ounce plastic container with a leak-proof lid. Samples from wells should be taken after the pump has been running for a least 30 minutes. The sample can be caught directly from the pump discharge. If the sample is taken from a stream, it should be collected from running water during the irrigation season. Send the sample to the laboratory as soon as possible after collection.

**Testing**

**W2 - Irrigation Water Quality Package** - pH, Conductivity, Total Dissolved Solids (TDS), Nitrate-Nitrogen, Sulfate-Sulfur, Phosphate-Phosphorus, Chloride, Carbonate, Bicarbonate, Alkalinity, Sodium, Calcium, Magnesium, Potassium, Sodium Adsorption Ratio (SAR), Iron, Manganese, Boron

**Other analyses available - please inquire**

**Interpretation**

Please refer to our Fact Sheet titled *Interpreting Irrigation Water Analysis*.

## ADDITIONAL INFORMATION

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