

GREENHOUSE MEDIA AND NUTRIENT SOLUTION ANALYSIS

AFGUE-FM-0022v3 (Effective date March 24, 2026)

PACKAGE DESCRIPTIONS

Media Basic - pH, nitrate nitrogen, sodium, phosphorus, potassium, magnesium, total salts, calcium, chloride and sulphate

Media Complete - Basic test plus ammonium nitrogen, aluminum, zinc, copper, iron, boron, manganese and molybdenum

Water Complete - pH, nitrate nitrogen, sodium, phosphorus, potassium, magnesium, total salts, calcium, chloride, sulphate, total dissolved solids, bicarbonates, total hardness, zinc, iron, manganese, copper, boron, silicon and molybdenum

Solution Complete - pH, nitrate nitrogen, ammonium nitrogen, sodium, phosphorus, potassium, magnesium, total salts, calcium, chloride, sulphate, molybdenum, total dissolved solids, bicarbonates, iron, copper, boron, zinc, manganese and silicon

Microbiological - Total coliform and E. coli require a special bottle and must be received before noon on Thursdays (samples will not be accepted on Fridays)

SAMPLE SUBMISSION INSTRUCTIONS

1. Fill the sample box or bottle completely; one sample per container.
2. Sample Size:
 - Water - 250 ml
 - Solution - 250 ml
 - Media - Fill box (or 4 cups)
3. Clearly fill out this form.
4. Clearly label each sample.

HOW TO SAMPLE MEDIA

1. **Potted plants** - Sample soil ball from top to bottom of several pots.
2. **Bedding plants** - Sample to depth of flat or container.
3. **Ground beds or benches** - Sample to 8 inches or depth of bench.
4. **Transplanting soil or compost pile** - Sample to 12 inches from several places.
5. **General Information:**
 - Do not sample less than 6 hours after watering, less than 24 hours after fertilizer application through an injector system, or 5 days after dry fertilizer application.
 - A soil probe or similar device is preferred for media sampling.
 - Scrape aside mulch and top 1/4 inch of media before sampling.
 - Sample 15 to 20 locations when practical.
 - Mix sample thoroughly.
 - Sample does not need to be dried.
 - Fill box completely.

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