

Irrigation Water

Sample Submission Form for Greenhouses and Nurseries

Agricultural Analytical Services Laboratory

Your name and contact information:

Name: _____

Company: _____

Address: _____

City: _____

State: _____ Zip: _____

Telephone: _____

Fax: _____

Email: _____

Additional individual, if any, to receive copy of results:

Name: _____

Company: _____

Address: _____

City: _____

State: _____ Zip: _____

Telephone: _____

Fax: _____

Email: _____

- Email report only:** Check this box and record your email address if you would prefer to have your report sent to you by email rather than surface mail. Emailed reports are received by customers 2–3 days earlier than mailed reports.

Sample Information

Sample identification: _____ Date sampled: _____

(Identification for your own use to be printed on report)

What is the intended water use?

- Greenhouse Nursery Other: _____

What is your water source?

- Lake or pond Public water supply Effluent or recycled

Private well (please specify depth): _____ ft.

Other (please specify): _____

Please specify if your water is untreated or treated with any of the following (check all that apply):

- Untreated Acidification Sterilization Sand filter Other: _____

If water is used for fertigation, please specify injector type and ratio:

Venturi type (e.g., Horzon, Syphonex)

Piston type (e.g., Dosatron, DosMatic, Anderson, Smith, Gewa)

1:100 1:200 Other: _____

Analysis Request (See back of this form for test descriptions)

TEST PACKAGES

WH01 Basic \$35.00

WH02 Complete \$55.00

INDIVIDUAL TESTS

Alkalinity, Carbonates, Bicarbonates \$15.00

Ammonium Nitrogen \$12.00

Chloride \$15.00

Conductivity/Total Dissolved Solids \$10.00

Fluoride \$15.00

Hardness \$20.00

Nitrate-Nitrogen \$15.00

pH \$10.00

Sulfur \$15.00

Total cost of test(s) selected: \$ _____

Sample Payment

- Check enclosed. (Make check payable to Penn State University) Charge my credit card. Card type (check one): Visa Mastercard

Cardholder's name (please print): _____ Card number: _____

Cardholder's signature: _____ Expiration date: _____



PennState Extension

Agricultural Analytical Services Laboratory
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Irrigation Water Test Packages

ID	Package	Description	Tests Included	Cost
WH01	Basic Package	Includes basic tests for assessing irrigation water quality and for trouble-shooting irrigation water problems	pH, total alkalinity, carbonates, bicarbonates, electrical conductivity, total dissolved solids, boron, chloride, calcium, magnesium, sodium, hardness, sodium absorption ratio	\$35.00
WH02	Complete Package	Includes tests from basic package plus fertilizer nutrients. Use for evaluation of fertigation, recirculating irrigation, and greenhouse or nursery wastewater. Also appropriate for troubleshooting irrigation and fertigation water and plant nutrition problems.	pH, total alkalinity, carbonates, bicarbonates, electrical conductivity, total dissolved solids, boron, chloride, calcium, magnesium, sodium, hardness, sodium absorption ratio, nitrate-nitrogen, ammonium nitrogen, phosphorus, potassium, sulfur, iron, manganese, copper, molybdenum, and zinc	\$55.00

Individual Water Tests

Test	Cost
Alkalinity, Carbonates, Bicarbonates	\$15.00
Ammonium Nitrogen	\$12.00
Chloride	\$15.00
Conductivity/Total Dissolved Solids	\$10.00
Fluoride*	\$15.00
Hardness	\$20.00
Nitrate-Nitrogen	\$15.00
pH	\$10.00
Sulfur	\$15.00

*Fluoride test may be indicated where unexplained leaf tip necrosis is observed.

extension.psu.edu

For additional information, visit extension.psu.edu/water or contact the lab.

This publication is available in alternative media on request.

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