

# Irrigation Water

Sample Submission Form for Greenhouses and Nurseries

Penn State **Extension**

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



Cooperative Extension  
College of Agricultural Sciences

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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/natural-resources/water](http://extension.psu.edu/natural-resources/water) or contact the lab.

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