

Irrigation Water

Sample Submission Form for Turfgrasses

Agricultural Analytical Services Laboratory

| | |
|---|---|
| <p><i>Your name and contact information:</i></p> <p>Name: _____</p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____ Zip: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>Email: _____</p> | <p><i>Additional individual, if any, to receive copy of results:</i></p> <p>Name: _____</p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____ Zip: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>Email: _____</p> |
| <p><input type="checkbox"/> <i>Email report only:</i> 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.</p> | |

Sample Information

Sample identification: _____ Date sampled: _____

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

What is the intended water use?

Athletic fields
 Golf course
 Lawn/grounds

What is your water source?

Lake or pond
 River or stream
 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
 Surfactant injection
 Fertigation
 Sterilization
 Sand filter

Other *(please specify):* _____

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

TEST PACKAGES

- | | | |
|--------------------------|---------------|---------|
| <input type="checkbox"/> | WT01 Basic | \$40.00 |
| <input type="checkbox"/> | WT02 Complete | \$60.00 |

INDIVIDUAL TESTS

- | | | | |
|---|---------|--|---------|
| <input type="checkbox"/> Alkalinity, Carbonates, Bicarbonates | \$20.00 | <input type="checkbox"/> Hardness as CaCO ₃ | \$20.00 |
| <input type="checkbox"/> Ammonium Nitrogen | \$15.00 | <input type="checkbox"/> Nitrate-Nitrogen | \$15.00 |
| <input type="checkbox"/> Chloride | \$15.00 | <input type="checkbox"/> pH | \$15.00 |
| <input type="checkbox"/> Conductivity/Total Dissolved Solids | \$15.00 | <input type="checkbox"/> Sulfur | \$15.00 |
| <input type="checkbox"/> Fluoride | \$20.00 | | |

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
 College of Agricultural Sciences • The Pennsylvania State University
 University Park, PA 16802 • Phone: 814-863-0841
 Fax: 814-863-4540 • Web: aasl.psu.edu

Irrigation Water Test Packages

| ID | Package | Description | Tests Included | Cost |
|------|------------------|---|---|---------|
| WT01 | Basic Package | Includes basic tests for assessing irrigation water quality and for troubleshooting irrigation water problems | pH, total alkalinity, bicarbonates, carbonates, residual sodium carbonate, hardness, electrical conductivity, total dissolved solids, calcium, magnesium, sodium, sodium absorption ratio, chloride, and boron | \$40.00 |
| WT02 | Complete Package | Includes tests from basic package plus fertilizer nutrients; use for evaluation of fertigation and recycled water; also appropriate for troubleshooting irrigation and fertigation water problems | pH, total alkalinity, bicarbonates, carbonates, residual sodium carbonate, hardness, electrical conductivity, total dissolved solids, calcium, magnesium, sodium, sodium absorption ratio, chloride, boron, nitrate-nitrogen, ammonium-nitrogen, phosphorus, potassium, sulfur, iron, manganese, copper, molybdenum, and zinc | \$60.00 |

Individual Water Tests

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

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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HOW TO USE YOUR IRRIGATION WATER TEST KIT

Before taking your water sample(s), please read all instructions carefully.

1. **TAKE YOUR WATER SAMPLE:** It is important that the sample you submit to the laboratory be representative of your irrigation water supply. Collect your sample as close to the point of end use as possible. Prior to collection, allow water to run for a sufficient period of time to clean out standing water in the lines. Fill the bottle provided in the Water Test Kit and cap tightly. If you are sending a sample in your own container, use a clean, plastic container (approximately ½ quart or 2 cups required) and rinse three times with irrigation water prior to filling. If you are testing your water in order to diagnose a specific problem, special sampling procedures may be warranted. Contact the laboratory or your cooperative county extension office.
2. **PACKAGE YOUR SAMPLE BOTTLE** in the bubble wrap sleeve that came with the water test kit and place it in the white mailing box.
3. **COMPLETE THE SUBMISSION FORM AND SUBMIT PAYMENT** for the test(s) you requested. If you are submitting a sample for Nurseries or Greenhouses, complete the green submission form. If you are submitting a sample for Turf Irrigation, complete the yellow submission form. Checks should be made payable to *Penn State University*. Place the completed submission form and payment in the box with the sample.
4. **CLOSE THE SAMPLE TEST KIT AND SEAL WITH TAPE.** Store your sample in the refrigerator until you are ready to send to the laboratory.
5. **SEND YOUR SAMPLE** to the laboratory so that it arrives within 36 to 48 hours of sampling. It is preferable to send your sample to the laboratory early in the week rather than later so that delivery will not be delayed over the weekend. Mail your sample to:

The Pennsylvania State University
111 Ag Analytical Svcs Lab
University Park, PA 16802-1114