



# TWCA Qualified Turfgrass

The Turfgrass Water Conservation Alliance (TWCA) qualifies turfgrass cultivars through one of the most rigorous drought testing and verification programs in the industry, ensuring measurable water savings without sacrificing performance.

## How TWCA Testing Works

TWCA conducts controlled drought trials across diverse North American climates to ensure results reflect real-world conditions, not idealized environments.

18 Independent Trial Locations Across the U.S. and Canada

Hosted at Leading University Turf Research Programs

Evaluated Under Consistent, Repeatable Drought Stress

This broad geographic testing ensures performance holds up across regions, soils, and climates.

## What TWCA Measures

TWCA combines field observation with advanced technology to evaluate turf performance objectively:

Turf quality and durability under drought stress

Water efficiency compared to standard varieties

Digital Image Analysis (DIA) to measure exact green color percentage

Photo documentation during drought conditions

## Rainout Shelters: Precision Drought Testing

To eliminate weather variability, TWCA uses rainout shelters (ROS) that block natural rainfall and create a moisture controlled environment.

- Three replications per variety to account for natural variability
- Used to precisely measure drought response and recovery
- Enables accurate, side-by-side comparisons

This level of control allows TWCA to verify real water efficiency, not assumptions.



Learn More About Qualified Turfgrass:

[www.tgwca.org](http://www.tgwca.org)

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## The TWCA Qualification Standards

Only cultivars that meet all standards earn the TWCA Seal of Approval.

### Water Efficiency

- Proven 30–40% water savings compared to check varieties

### Sustained Durability

- Maintains acceptable quality, color, and health under stress

### Data Verification

- Mandatory 4-year, multi-site protocol

### Objective Evaluation

- Digital Image Analysis eliminates bias

### Scientific Oversight

- Final review by an independent board of scientists

### Qualified Blends

- At least 70% of varieties in a blend must meet all TWCA standards

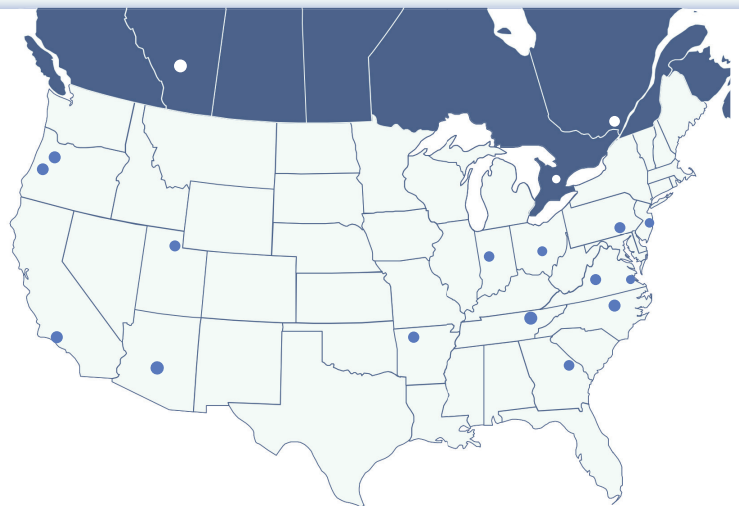


## Why the TWCA Seal Matters

The TWCA Seal of Approval represents verified water savings, scientific credibility, and dependable performance. It gives turfgrass managers, specifiers, and decision-makers confidence that the turfgrass they select has been tested under real drought conditions, and proven to perform.

### 18 Trialing Locations

- Alberta:** Olds
- Arizona:** Maricopa
- Arkansas:** Fayetteville
- California:** Riverside
- Georgia:** Griffith
- Indiana:** West Lafayette
- New Jersey:** Pitman
- North Carolina:** Rolesville
- Ohio:** Columbus
- Ontario:** Guelph
- Oregon:** Albany, Hubbard
- Pennsylvania:** Reading
- Quebec:** Quebec City
- Tennessee:** Knoxville
- Utah:** Logan
- Virginia:** Blacksburg, Hampton Roads



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