



Advisory Committee members:

**Bryan Unruh, Brian Schwartz, Dave Kopec, Dennis Martin, Mike Kenna, Greg Munshaw, Brian Whitlark, John Foy, Chris Hartwiger, Kevin Morris**

Length of trial: 5 years

Planting rate: 72 (1.5") or 36 (3") plugs per plot

Amount of plant material needed of each entry: 36 trays

Number of entries: 25-30 (includes bermuda, zoysia, seashore paspalum and standards)

Deadline for receipt of seed and plant material by NTEP at Beltsville, MD: **June 10th.**

**FUNDING FROM USGA: \$150,000**

Entry fees:

1. **Named, commercially produced and/or marketed entry: \$2,000 when the entry is submitted, \$2,000 in each year after, \$10,000 total.**
2. **Entry that has been previously entered in an NTEP trial: \$1,500 when the entry is submitted, \$1,500 in each year after, \$7,500 total.**
3. **Experimental entry that has not been named, commercially produced and/or marketed: \$1,000 when the entry is submitted, \$1,000 in each year after, \$5,000 total\*.**

**\* If the experimental entry is named, commercially produced or marketed during the testing period, NTEP will be notified within 30 days by the variety sponsor. At that time, the entry fee will be \$10,000 total for the trial. NTEP will immediately invoice the sponsor or licensee for any past entry fees. Current and future NTEP entry fees will be invoiced at \$2,000 per year. This will expire the date of the last trial data publication.**

**Standard trials (12) - must be USGA spec greens or at least close to USGA specs**

Tucson, AZ (Karsten Research Center)  
College Station, TX (Texas A&M research center)  
Starkville, MS (University golf course) \*  
Tuquesta, FL (Jupiter Hills Club)  
Raleigh, NC (NC State research center) \*  
Lexington, KY (Univ. of KY research center)

Southern California \*  
Fayetteville, AR (research center)  
Jay, FL (West FL research center)  
Griffin, GA (research center)  
Richmond, VA (CC of Virginia)  
Bloomington, IN (golf course)

\* tentative

## **Maintenance Parameters**

### *Winter Covering*

Have one ancillary site for winter tolerance assessment – cover in 2013-2014, leave covers off in 2014-15 and beyond – Gregg Munshaw (Kentucky) volunteers his site

Other sites in USDA plant hardiness zone 7 or less (4 sites not including KY), should cover and uncover using the following logic rules – cover when the projected low is 25 °F. Remove the cover when temps are 50° F or above, can recover when temps are 25° F or below. The researcher should record the number of cover events and cover removals, as well as how many days of continuous covering that occur.

### *Primo Maxx or not? Frequency/rate*

The committee decided to encourage the use of Primo if this is a standard practice in the area but ultimately leave this up to the site manager and researcher – stipulate that they keep a thorough record of applications, etc. Emphasize that green speeds are to be in about the 9 foot range, they need to decide how to attain that speed.

### *Rolling? Frequency and direction?*

The committee encourages the use of rolling if it is a standard practice in the area but ultimately leaves this up to site manager and researcher – stipulate that they have a thorough record of applications, etc. Emphasize that green speeds are to be in about the 9 foot range, so they need to decide how to attain.

### *Vertical mowing? Depth and frequency?*

Vertical mowing is at the site manager's discretion but we caution that some entries may not take aggressive verticutting, maybe grooming is more appropriate. Topdressing should follow each verticutting event.

We suggest that sites verticut every time they topdress. They can manage verticut depth so as to not severely damage the entries. The verticutting should result in lines in the entries.

### *Type of groomers or brushes and topdressing? Types, settings, frequency?*

The committee decided that each location must brush and/or groom three times per week during the growing season. We need to make sure that each site describes the brushes and groomers that they use (blade width, depth below bedknife, etc.), including the make/model, etc.

### *Mowing height? Ramping program by season? Frequency?*

Try to maintain Tifdwarf at 9' and then see what happens, allow researcher and site manager discretion on mowing height, will probably result in about .150" height, mow entries of same species at same height.

*Topdressing? Amount, timing, frequency?*

The topdressing goal is 0.5 – 1.0 cu ft/1000 sq. ft. every two weeks per growing month.

*Overseeding*

Allow one to overseed as basically an ancillary trial. Overseeding is allowed starting in the **second** fall following planting. Overseeding during the first fall following planting would most likely damage entries such that the trial will be compromised.

*Aeration and timing*

Aeration – if used regularly, we encourage solid tine use to prevent contamination. However, starting in year three, each site must core aerate once to three times per year to achieve at least 10% surface removal per year (5/8” tines at 1.5 – 2” spacing gives almost 10% removal), then backfill with sand. When they core aerate, they must collect cores, push into center of each plot. Timing of aeration is at the discretion of the site manager, but needs to be conducted during the optimal growing period to achieve the best recovery.

*Other management parameters*

Bermuda Nitrogen levels – 0.5 – 0.75 lbs/1000 sq. ft. per growing month, P, K and minors applied based on soil test to maintain sufficient levels

Zoysia and paspalum Nitrogen levels – 0.25 – 0.5 lbs/1000 sq. ft. per growing month, P, K and minors applied based on soil test to maintain sufficient levels

Herbicide precautions – no Monument, Revolver, etc. on paspalums to remove annual bluegrass, no off label applications, species will be blocked so applications can be separated

Irrigation was discussed by the committed and it was agreed that it should be conducted to avoid stress and not allow wilting; the timing and frequency is at the researcher and site manager’s discretion

**Standard Entries**

Bermuda – **Tifdwarf, Tifeagle, Champion, Mini-Verde**

Zoysia – **Diamond**

Seashore Paspalum - **SeaDwarf**

**Planting Info**

Plot size will be a minimum width of 6', and anywhere from 6' - 10' long with no border between plots, replicated three times. The three species will be planted in separate blocks to allow for varying maintenance practices.

**Data Collection Parameters** – not yet decided