Golf’s Love Affair with the Sometimes Fickle Bermudagrass

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Why Bermudagrass?
• Generally considered to have poor shade tolerance.
  – Exceptions exist – but they are still relatively poor.
• Generally considered to have a high nitrogen requirement than other grasses.
• Greens type cultivars are shallow rooted.
• Pests can be problematic
  – Mole Crickets, armyworms, grubs, nematodes, disease, etc.

Why Not Bermudagrass?
• “World’s worst weed – we just culture it.”
• Improved greens-type cultivars rival creeping bentgrass performance.
• High level of tolerance to numerous herbicides.
• Lots of “tools” in the “toolbox”

April 21, 1923
Seashore Paspalum

Can Paspalum Work for You?

<table>
<thead>
<tr>
<th></th>
<th>Good Water Quality</th>
<th>Poor Water Quality</th>
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<tbody>
<tr>
<td>Existing Golf Course</td>
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<td></td>
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<tr>
<td>New Construction</td>
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Bermudagrass contamination is probably the #1 concern with Seashore paspalum.

Zoysiagrass

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Olympic Golf Course – Rio
Disease severity of selected accessions

Field data, 02-21-2012

Zoysiagrass genotypes

November 7, 2014

TifEagle Bermudagrass & ‘FAE1301’ Zoysiagrass

Zoysiagrass Seedheads

Bermudagrass Options
TifGrand at The Dye Preserve
TifGrand Greens (0.156"), collars (0.25"), & roughs (2.0")

TifGrand at Suwannee CC
TifGrand Greens (0.160")
- April 7th, 2015
- 3 oz Primo per month
- 9.8" Stimp Avg. on 3 greens

TifGrand at the Country Club of Columbus

DT-1 (‘TifTuf’) “Selected” in 2001

Short-Term Drought (Atlanta)
DT-1 used 38% less water than Tifway 419

Short-Term Drought (Atlanta)
DT-1 maintained 95% more green cover than Tifway 419
Two Cold Hardy and High Quality Bermudagrasses ‘Latitude 36’ and ‘NorthBridge’

- Both are superior F1 hybrids from two separate crosses between common bermudagrass and African bermudagrass.
- The hybrids were released as new turf cultivars by Drs. Yanqi Wu, Dennis Martin, Charles Taliaferro, Jeff Anderson, and Justin Moss in 2010.
- The two new cultivars have been commercialised since 2012, in the US with 30 sod producers through the Sod Solutions Inc. exclusively licensed from OSU.
- The two cultivars are protected by the US patents and by international Patents.

Top Bermudagrass Performers in the US

<table>
<thead>
<tr>
<th>Entry</th>
<th>2007</th>
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<td>Latitude 36</td>
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<td>NorthBridge</td>
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Fine Turf Quality

Superior Genetics for Cold Hardiness

<table>
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<tr>
<th>Cultivar name</th>
<th>Tm (°C)</th>
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<tbody>
<tr>
<td>Latitude 36</td>
<td>-8.4 a</td>
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<td>NorthBridge</td>
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<tr>
<td>Midlawn</td>
<td>-8.3 a</td>
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<tr>
<td>Tifway</td>
<td>-7.5 b</td>
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</tbody>
</table>

Top Bermudagrass Performers in the US

- Turf quality ranking of 31 clonal and seeded bermudagrasses in 2007-2012 NTEP National Bermudagrass Test

Two Celebrities Are Performing

- Celebrities Performing in Columbia Country Club in Chevy Chase, MD. (Photo by Steve McCormick)
- Celebrities Performing in Arrowhead Field, Kansas City Royals Baseball Field
- Celebrities Performing in FedEx Field, Washington Redskins Field
- Celebrities Performing in 2010 USDA Trials
- Celebrities Performing in Latitude 36