

Performance Characteristics of OSU Turf Bermudagrasses

8:30-8:55 am Presentation on Oct 14, 2010 as a part of the 2010
Ornamental Plant Materials Conference, Stillwater, OK

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Drs. Martin and Wu, Watching the grass grow!

Timeline

- OSU bermudagrass development program began in the 1960 with assembly of a world collection of bermudagrasses and taxonomic organization of the genus *Cynodon*
- OSU's first seeded forage bermudagrass release in 1982 was Guymon
- 1986 – USGA funding started for turf development
- 2000 – Yukon seeded bermuda released
- 2001 – Riviera seeded bermuda released
- 2002 – Patriot vegetative bermuda released
- 2011 – OKC 1119 and OKC 1134 vegetative bermudagrass releases

A newly planted trial of experimental OSU bermudagrasses



At maturity



Mix of hybrid and common bermudagrasses



Divot recovery rate and spring dead spot disease tolerance under study



Spring Dead Spot Disease






Sod tensile strength
and handling
characteristics
under study



Sod is stretched to find the point of tensile strength failure

A wide range of winter kill was present amongst cultivars at the time of the May 2010 Winter-Kill Workshops at Stillwater, OK





2. Princess 77



1. Riviera

**3. NuMex
Sahara**





1. Riviera

NuMex-Sahara-S	94.67
Princess 77-S	73.00
Celebration-V	46.67
TifGrand-V	30.00
U-3-NC-V	28.33
U-3-TGS-V	28.33
Tifway-V	16.67
Riviera-S	11.67
Midlawn-V	11.00
U-3-SIU-V	9.00
Astro-V	7.67
Patriot-V	6.67
OKC 1134-V	5.33
OKC 1119-V	5.00
Yukon-S	3.00
OKC 70-18-V	1.00
LSD	28.98

Percent
Winterkill of
16
commercially
Available
Entries

May 2010



Tifway is the industry standard to beat for sod strength and overall turf quality

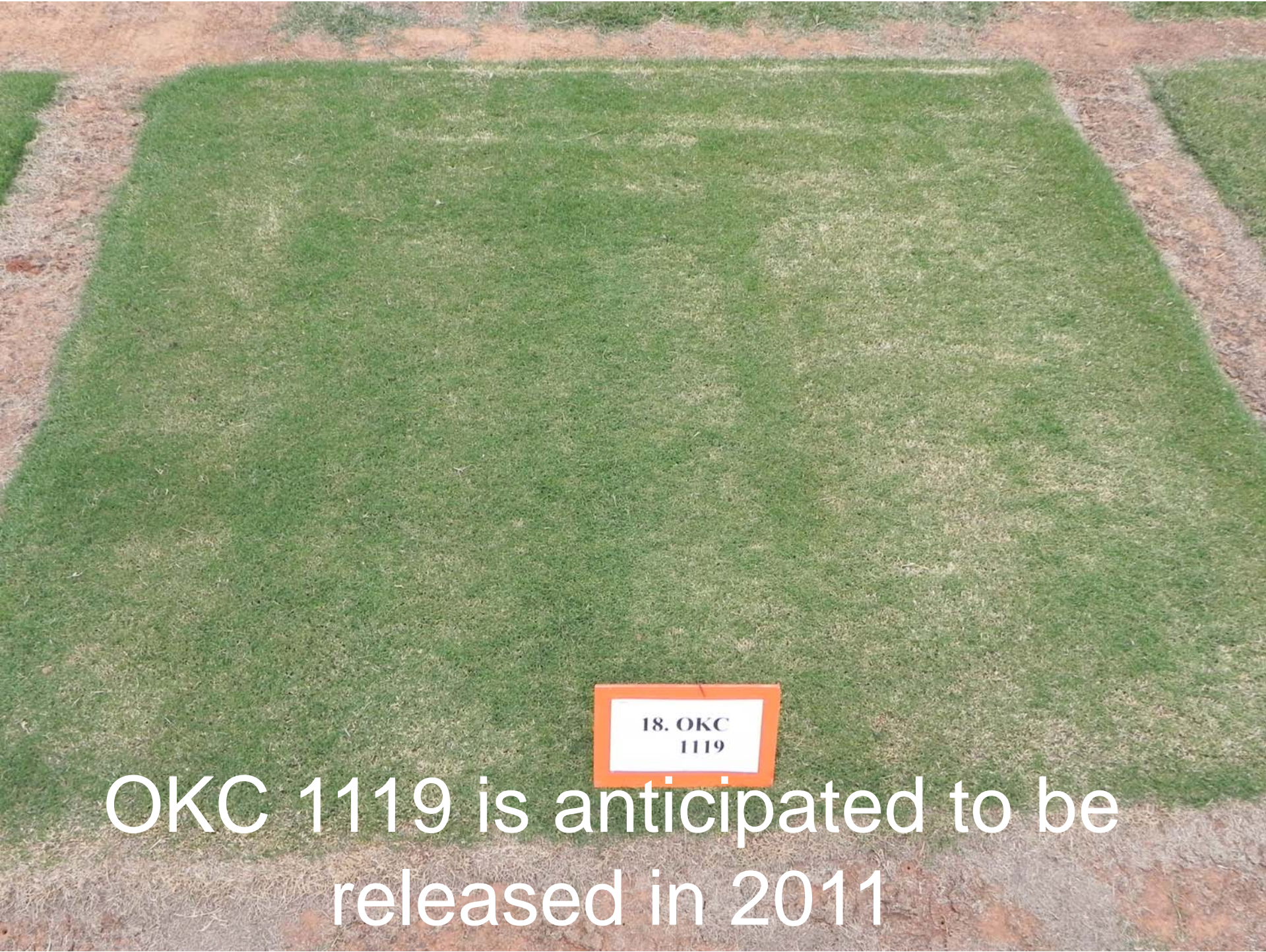
Yukon – released 2000

Riviera – released 2001




Patriot – released 2002





18. OKC
1119

OKC 1119 is anticipated to be
released in 2011



19. OKC
1134

OKC 1134 is anticipated to be
released in 2011

Future Goals – To Develop Improved Color Retention During Drought



Leaf firing during drought



Questions