



The hybrid Bermuda grass TEXOMA (OKC1876) is an interspecific F1 hybrid variety developed by the research team at Oklahoma State University.

This turfgrass variety **offers substantial improvements over other types in terms of drought resistance, winter color retention, and traffic tolerance.**

Additionally, it combines **high turf quality** with excellent adaptation to warm climates.

It has fine leaves with an olive-green color.

This grass is **highly resilient** and is ideal for situations where high-quality turf is required, **while also reducing water consumption.**

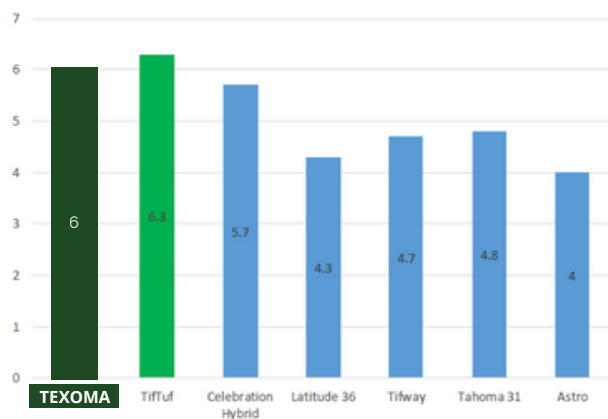
## TURFGRASS QUALITY (TQ)

The NTEP trial **reported excellent turf quality data under stress conditions.** Under shade stress, TEXOMA turfgrass received a high rating.

When all the data from the NTEP 2020 were summarized, **TEXOMA's** turf quality **ranked second**, tying with TifTuf, followed by Latitude 36 (ranked 6th) and Tifway (ranked 13th).



## DROUGHT RESISTANCE



The 2019-2022 NTEP National Bermudagrass Trial drought test: 4-Yr turfgrass quality ratings, Riverside, CA  
LSD=0.5

| Entry               | 2020 water use (in inches) | 2021 water use (in inches) |
|---------------------|----------------------------|----------------------------|
| Dog Tuff            | 6.33a                      | 2.0ab                      |
| OKC1221             | 5.33ab                     | 2.0ab                      |
| Premier             | 5.33ab                     | 2.67a                      |
| ASC119              | 4.67b                      | 1.67ab                     |
| Monaco              | 2.67c                      | 2.0ab                      |
| Tifway              | 2.67c                      | 0.33cd                     |
| ASC118              | 2.67c                      | 1.33bc                     |
| OSU1896             | 2.33cd                     | 1.33bc                     |
| JSC2009             | 2.33cd                     | 1.33bc                     |
| OSU1646             | 2.00cde                    | 2.33ab                     |
| Tahoma 31           | 1.33def                    | 0.33cd                     |
| FB1628              | 1.00efg                    | 0d                         |
| TEXOMA              | 0.33fg                     | 0d                         |
| TifTuf              | 0g                         | 0d                         |
| LSD <sub>0.05</sub> | 1.27                       | 1.15                       |

Table. Water applied to bermudagrass entries during the 65-day dry-down period (July 15 to September 16) in 2020 and 30-day dry-down period (July 14 to August 11) in 2021.

## SOD TENSILE STRENGTH

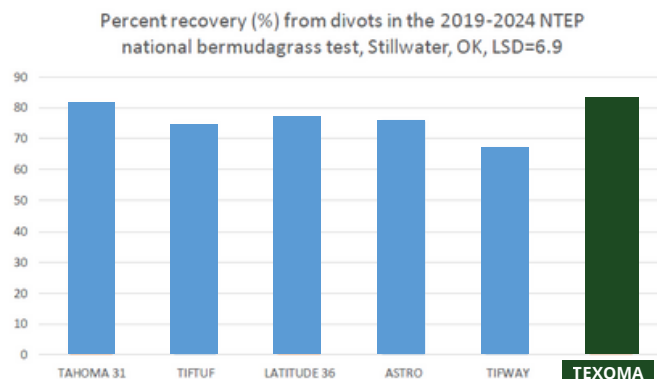
A replicated field trial was conducted to test the tensile strength and movability of the turfgrass. The test results indicated that **TEXOMA exhibits high tensile strength**, similar to Celebration, Latitude 36, NorthBridge, Tahoma 31, TifTuf, and Tifway.

## LEAF TEXTURE

TEXOMA has a **fine texture** in the NTEP test. In 2020, the NTEP test data indicated that the overall mean leaf texture rating [scale 1 - 9, 9 = maximum fine leaf texture] of TEXOMA was statistically the same as TifTuf (7.2) and Tifway (7.1), but better than Latitude 36 (7.0).

## TRAFFIC TOLERANCE

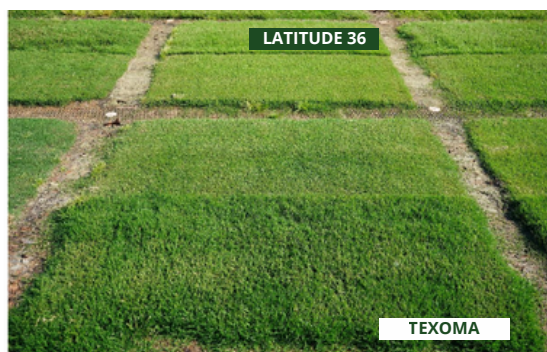
The study results indicated that **TEXOMA performed well under traffic stress**, as it showed optimal percent green cover (PGC) values and was part of the top-performing group along with Celebration, Latitude 36, Tahoma 31, TifTuf, and Tifway. TEXOMA's Turf Performance Index (TPI) was 14, the same as Latitude 36, Tahoma 31, and TifTuf.



TEXOMA performed very well under traffic, being part of the top-performing group of varieties. The NTEP trial indicated that TEXOMA had **excellent recovery**, similar to Tahoma 31, Latitude 36, and TifTuf.

## FALL COLOUR RETENTION

In the NTEP test, 2020 fall color ratings indicated that TEXOMA has an **outstanding late-season green color**. In Oklahoma, TEXOMA's November color rating (6.7;  $LSD_{0.05} = 0.9$ ) was better than Latitude 36 (5.7).



TQ media de 2020 e índices de color otoñal bajo estrés por sequía en Riverside, CA.

| Entry ID      | Mean TQ ratings | Fall color ratings<br>(Color in November) |
|---------------|-----------------|-------------------------------------------|
| MSB-1017      | 6.7             | 7.7                                       |
| TifTuf        | 6.5             | 8.0                                       |
| OKC1873       | 6.3             | 7.7                                       |
| <b>TEXOMA</b> | <b>6.3</b>      | <b>9</b>                                  |
| LSD           | 0.5             | 1.3                                       |

[https://ntep.org/reports/bg19/bg19\\_21-2/bg19\\_21-2.htm](https://ntep.org/reports/bg19/bg19_21-2/bg19_21-2.htm)

## ESTABLISHMENT RATE, LIVING GROUND COVER

**Establishment Rate:** TEXOMA had excellent establishment ratings in NTEP test. In FL, TEXOMA had an **establishment rate** (94.5%,  $LSD_{0.05}=6.2\%$ ) **faster** than Tifway (82.4%), but similar to TifTuf (95.4%) and Latitude 36 (91.8%). In KS, the establishment rate of TEXOMA (57.8%,  $LSD_{0.05}=9.7\%$ ) was the same as that of TifTuf (55.0%) and Tifway (51.1%), but faster than Latitude 36 (47.7%).

**Living Ground Cover (LGC):** Living ground cover is visually evaluated using percentage [scale 0 – 99, 99 = complete, maximum live ground cover] in spring, summer, and fall. The **NTEP test indicated that Texoma had very high LGC ratings**, suggesting its overall **excellent response to stresses caused by insects, diseases, weeds** and unfavorable environmental factors at the test sites.

TEXOMA had summer and fall LGC ratings similar to TifTuf and Tifway, but better than Latitude 36.