

ENDARRA 81™

B E R M U D A G R A S S

Select Research Data



In the United States, South America,
Australia, and Asia

sodproductionservices.com



In Europe, Africa,
and the Middle East

semillasfiro.com

endarra81.com



Extreme Drought - Turf Quality

In 2021 and 2022, trials at Riverside, CA, Dallas, TX, and Stillwater, OK, experienced lengthy and severe drought conditions. Results indicated that under severe drought stress, Endarra 81 (OSU2081) was the best performer of all currently released grasses, with a better turfgrass quality rating than TifTuf, Tahoma 31, and Tifway.

CULTIVAR	TURF QUALITY UNDER EXTREME DROUGHT CONDITIONS
Endarra 81	5.66
TifTuf	5.43
Tahoma 31	4.94
Tifway	3.95

Source: Table 6, Scientific Data Summary based on Oklahoma State University release document



Higher Percentage of Green Cover During Drought

Under extreme drought conditions, Endarra 81 retained a significantly higher percentage of green cover. Endarra 81 retained 92.8% of its green cover compared with TifTuf at 89.9%, Tahoma 31 at 85.7% and Tifway at 53.1%.

CULTIVAR	PGC
Endarra 81	92.8%
TifTuf	89.9%
Tahoma 31	85.7%
Tifway	53.1%

See Reverse for Photos and Additional Green Cover Data



Turf Quality Under Drought Stress

Under drought stress conditions, Endarra 81 was the top performer in turfgrass quality.

CULTIVAR	TURF QUALITY/DROUGHT
Endarra 81	5.7
TifTuf	5.6
Tahoma 31	4.1
Tifway	3.8

Source: 2021 - 2023 SHARED SPACE PLANTED NURSERY (SSPN) TEST: This regional field trial was carried out at 7 locations in the southern states (Stillwater, OK; Dallas, TX; Riverside, CA; Tifton and Griffin, GA; Citra, FL; and Jackson Springs, NC). Table 9.



Fewer Seedheads, Better Color Under Stress

Under 56% ET stress, only two cultivars produced no seedheads. Endarra 81 and Tahoma 31. Seedheads are a known issue for some varieties, including TifTuf. In research studies, Endarra 81 has consistently shown a lower occurrence of seedhead production than others tested. The researcher noted that while TifTuf's drought tolerance was impressive, seedhead production was deemed "unacceptable."

CULTIVAR	COLOR	SEEDHEAD PRODUCTION
Endarra 81	8	-0-
Tahoma 31	9	-0-
Tifway	7	< N (lean)
TifTuf	7	++ seedhead

Source: Mirabel Turf Evaluation Test, Scottsdale, AZ, June 2024 data

Endarra 81 vs. Drought Tolerant Standard After 41 Days No Rain

Drought Response and Green Cover Percentage Observations
Following 41 days without rainfall in Stillwater, OK

July/August 2025



Endarra 81 shows **42%** green cover
after 41 days without rain in Stillwater OK



Drought tolerant standard shows **10%** green cover
after 41 days without rain in Stillwater OK