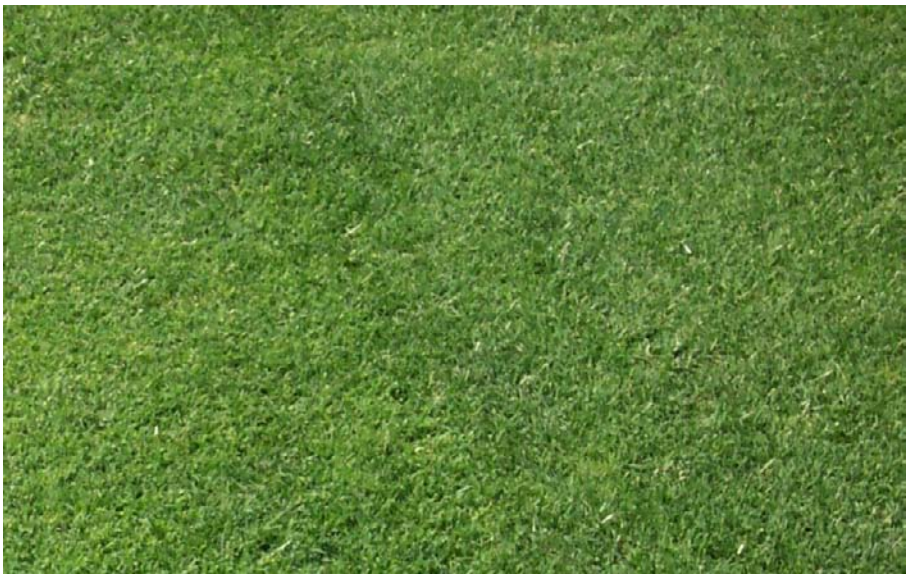
PENNINGTON™

Growing a better tomorrow, today…

SAHARA
TURF-TYPE BERMUDAGRASS

Cynodon dactylon

Certified **NuMex Sahara** was the first seeded bermudagrass to be developed exclusively for turf. **Sahara** was released in 1998 after 20 years of research. Compared to common bermudagrass, **Sahara** is more uniform, has increased density and improved summer green color. **Sahara** is superior in drought tolerance to common and many other bermudagrass varieties.



NuMex Sahara has been tested for more years at more locations than any other seeded bermudagrass; in test after test it consistently outperforms common bermudagrass. The performance characteristics of Sahara are what make it the distinguished choice over common bermudagrass.

DATA 1986-1991

1986 National Bentgrass Test – 6 year Averages for selected Turfgrass Characteristics
Quality Ratings 1-9; 9 = most desirable

Cultivars	Quality	Color	Density	Texture	Thatch (mm)
Tifway	6.6	7.4	7.4	7.3	19.8
Tifgreen	6.5	6.2	7.7	7.9	18.8
NuMex Sahara	4.9	6.1	5.6	5.5	15.2
Guymon	4.4	6.1	5.1	3.9	16.8
AZ Common	4.4	5.7	4.9	4.8	14.0
LSD (0.05)	0.2	0.3	0.5	0.3	4.2
No. of locations reporting data	21	15	5	11	2

For complete trial data, go to www.ntep.org

TYPE:

Turf-Type Bermudagrass

Experimental Designation – NMS-1

FEATURES:

- Improved Overall Turf Performance
- Increased durability and wear tolerance
- Reduced plant height
- Increased Density
- Low in Thatch
- Lower mowing heights with less scalping
- Medium-fine texture with dark green color

BENEFITS:

- Superior in drought tolerance to common & other Bermudagrass varieties
- Improved summer green color & more uniform

RECOMMENDED USE:

- Golf Courses (Fairways & Roughs)
- Home Lawns
- Athletic Fields
- Park Settings
- Playgrounds
- Erosion control
- Cemeteries

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Bred by Dr. Arden Baltensperger – Seeds West, Inc.

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DATA 1992-1996

1992 National Bermudagrass Test – 4 year Averages for Selected Turfgrass Characteristics
Quality Ratings 1-9; 9 Most Desirable

Cultivars	Quality	Color	Density	Texture	Plant Ht. (cm)
Tifgreen	6.1	6.2	7.4	7.8	4.3
Tifway	6.0	7.2	6.8	7.5	5.3
Guymon	5.0	6.1	4.9	4.4	9.3
NuMex Sahara	4.6	6.0	5.5	5.1	11.7
AZ Common	4.2	5.5	5.0	5.0	20.3
LSD (0.05)	0.2	0.2	0.5	0.2	2.8
No. of locations reporting data	25	24	14	18	1

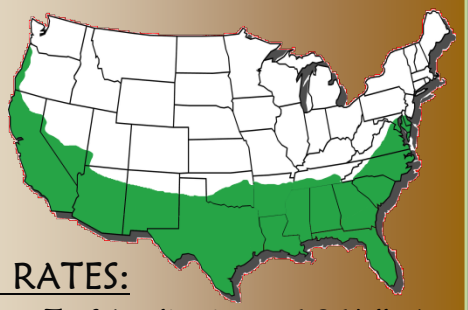
DATA 2000
1997 National Bermudagrass Test – 2000 data for selected Turfgrass Characteristics
Quality Ratings 1-9; 9 = Most Desirable

Cultivar	Quality	Color	Density	Texture	Scalping
Tifway	6.5	6.9	8.0	7.1	5.1
Tifgreen	6.1	5.8	7.6	7.5	6.9
Mirage	5.0	5.9	5.6	5.1	5.8
NuMex Sahara	4.9	6.2	5.6	5.0	6.3
AZ Common	4.6	5.9	5.2	4.8	6.0
LSD (0.05)	0.2	0.2	0.4	0.2	0.9
No. of locations reporting data	18	19	7	16	1 loc. 4 dates

For complete trial data, go to www.ntep.org

OPTIMAL ADAPTATION AREAS:

Climatic Zones: 7, 8, 9, 10, 11 (may not be adaptable to all areas within each climatic zone)



SEEDING RATES:

- New Turf Applications – 1-2 ½ lbs/ 1000 sq ft (0.5 – 1.3 kg/100 sq meters)
- Repair of Existing Turf – ½ - 1 lb/1000 sq ft (0.25 – 0.5 kg/100 sq

ESTABLISHMENT:

NuMex Sahara should be planted when soil temperatures are consistently above 65° F (18° C). For best results, plant in full sun on well-drained soil and soil moisture must be maintained for at least 1 to 2 weeks after planting through irrigation and natural rainfall. Under ideal conditions, germination may begin within 7 to 10 days. Allow 10 to 21 days for full germination, full coverage may be attained in 4 to 6 weeks. More time may be needed for establishment if planting early or late in the season.

MAINTENANCE:

Mowing may begin when grass is 1/3 taller than desired mowing height. Sahara performs best at mowing heights of ½ to 1 ½ inches (13-18 mm). Fertilize with ½ to 1 lb/1000 sq ft actual N (0.25 to 1.5 kg/100 sq meters) per month of growing season for optimum performance, fertilization may be reduced by ½ if clippings are returned

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