

SEED RESEARCH OF OREGON

The germination of ideas

FEATURES

- Unique genetics source, for higher genetic diversity
- Excellent seedling vigor and early establishment
- Very dark green color
- High turf density
- Reduced invasion by crabgrass and summer weeds
- Superior adaptation for higher humidity areas and acidic soils
- Reduced height of growth, for less scalping injury
- Good disease resistance (Spring Dead Spot & Leaf Spot)
- Uses: Sports fields, golf tees & fairways, parks, schools and lawns

BENEFITS

- Versatile for all sites
- Excellent for repairs of any bermudagrass
- High heat, drought and salt tolerance
- Reduced inputs
- Excellent for blending with other improved seeded bermudagrasses

SEEDING RATES

- Seeds/lb: 1,000,000
Seeds/kg: 2,200,000
- New turf:
2–3 lbs/1,000 sq ft
10–14 grams/sq m
90–125 lb/acres
- Repair Rates:
0.5–2 lbs/1000 sq ft
3–10 grams/sq m
25–90 lbs/acre

ESTABLISHMENT

- Germination: 5–7 days under optimal conditions
- First mowing: 10–21 days
- First limited use:
Approximately 4–6 weeks depending on conditions

ROYAL BENGAL

TURF-TYPE BERMUDAGRASS

Royal Bengal Turf-Type Bermudagrass (*exp. PSG-9BAN*) (*Cynodon dactylon*) was developed with high turf quality and unique genetics to increase the adaptation of bermudagrass in the United States and the World. The bermudagrass genus has

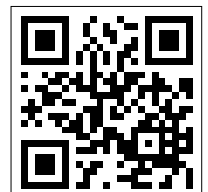


centers of origin in Africa, Indian subcontinent and China. Most cultivars originate from African germplasm with a few recent ones tracing back to China. Royal Bengal uniquely comes from material selected in the Indian subcontinent from Bangladesh.

Royal Bengal exhibits high turf

quality across a range of environments. Tropical to arid and up to the Transition zone it has shown good performance. It has shown moderate cold tolerance and good resistance to Spring Dead Spot. It tolerates high heat, drought and saline conditions. Royal Bengal has high density with aggressive stolons and rhizomes. The high density helps prevent weed invasion.

Royal Bengal can be used for sports fields, home lawns, parks, schools and golf course tees and fairways. Its rapid establishment makes it excellent for repairing damaged areas, in seeded or vegetative bermudagrasses.



ROYAL BENGAL
TURF-TYPE BERMUDAGRASS

Turfgrass Quality 2007 Bermudagrass NTEP – 2008 Data AMMI 1
Quality of Named Seeded Bermudagrass in 7 locations

<i>Turfgrass Quality 1-9; 9 = Best</i>							
<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>
Riviera	6.1	Princess 77	5.7	Pyramid 2	5.6	Numex-Sahara	5.1
Royal Bengal	5.8	Veracruz	5.7	Gold Glove	5.5	LSD @ 5%	0.7
Yukon	5.7	Hollywood	5.7	Sunspport	5.2		

Percent Establishment 2007 Bermudagrass NTEP – 2007 Data AZ
Seeded Named Bermudagrasses

<i>Percent of Establishment</i>							
<i>Variety</i>	<i>% Esta.</i>	<i>Variety</i>	<i>% Esta.</i>	<i>Variety</i>	<i>% Esta.</i>	<i>Variety</i>	<i>% Esta.</i>
Numex-Sahara	81.7	Riviera	70.0	Hollywood	61.7	LSD @ 5%	29.6
Royal Bengal	78.3	Veracruz	66.7	Pyramid 2	61.7		
Sunspport	78.3	Princess 77	66.7	Gold Glove	45.0		

Percent Spring Dead Spot 2007 Bermudagrass NTEP – 2012 Data - AR
Seeded Named Bermudagrasses

<i>Percent of Spring Dead Spot</i>							
<i>Variety</i>	<i>%</i>	<i>Variety</i>	<i>%</i>	<i>Variety</i>	<i>%</i>	<i>Variety</i>	<i>%</i>
Yukon	5.0	Pyramid 2	15.0	Gold Glove	25.0	Sunspport	58.3
Royal Bengal	8.3	Hollywood	16.7	Veracruz	35.0	LSD @ 5%	19.8
Riviera	8.3	Princess 77	23.3	Numex-Sahara	35.0		

Turfgrass Quality 2007 Bermudagrass NTEP – 2009 Data MS
Named Seeded Bermudagrass

<i>Turfgrass Quality 1-9; 9 = Best</i>							
<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>
Princess 77	6.0	Hollywood	5.8	Riviera	5.8	Numex-Sahara	4.9
Royal Bengal	5.9	Gold Glove	5.8	Veracruz	5.8	LSD @ 5%	0.3
Yukon	5.8	Pyramid 2	5.8	Sunspport	5.7		

Turfgrass Quality 2007 Bermudagrass NTEP – 2009 Data Blacksburg, VA
Named Seeded Bermudagrass

<i>Turfgrass Quality 1-9; 9 = Best</i>							
<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>
Yukon	7.6	Pyramid 2	7.1	Princess 77	6.4	Numex Sahara	5.9
Royal Bengal	7.3	Riviera	7.1	Sunspport	6.2	LSD @ 5%	0.7
Hollywood	7.3	Gold Glove	6.9	Veracruz	6.2		

Percent Winter Kill 2007 Bermudagrass NTEP 2007-12 Data
Named Seeded Bermudagrass Mean of OK and VA

<i>Percent of Winter Kill</i>							
<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>	<i>Variety</i>	<i>Mean</i>
Yukon	1.5	Royal Bengal	27.5	Princess 77	61.5	Numex-Sahara	67.3
Riviera	5.8	Pyramid 2	41.7	Sunspport	62.2	LSD @ 5%	18.9
Hollywood	7.5	Gold Glove	41.7	Veracruz	63.3		

To determine whether a cultivar's performance is different from another, subtract one entry's mean from another entry's mean. If this value is larger than the LSD value, the observed difference in cultivar performance is significant and did not happen by chance. Complete tables are available upon request.