

SEED RESEARCH REPORTS

2284

Kentucky Bluegrass

SR 2284 is a very fine textured, unique Kentucky bluegrass that is ideal for golf course superintendents, sod growers, sports field managers and professional landscapers, **SR 2284** was bred for improved heat and drought tolerance and has improved winter color and Leaf Spot resistance. **SR 2284** has very short internodes for increased turf density.

HISTORY

SR 2284 was developed by Rutgers University and is a progeny of C-74 Kentucky bluegrass (*Poa pratensis* L.), developed by Dr. Richard Skogley at Rutgers University. The breeding of **SR 2284** (trial name A95-284) concentrated on winter active and winter color performance.

QUALITY

SR 2284 is a stable and uniform variety. It produces seed with identical genetic characteristics during each cycle of seed increase. Tests in Oregon have shown that it is over 90 percent apomictic. **SR 2284** has superior winter color compared to Unique and Brilliant and has better spring green-up than P-105, Impact and Award at Rutgers University trials.

CHARACTERISTICS

- Early spring green-up and excellent fall color
- High degree of heat and drought tolerance
- Fine leaf texture and high shoot density
- Improved winter color and Leaf Spot resistance
- Moderate winter dormancy
- Very appealing dark green color
- Exhibits good necrotic ring spot resistance
- Excellent performer in moisture stress trials

DISEASE RESISTANCE

SR 2284 has shown superior resistance to Leaf Spot and Stripe Smut and has improved rust resistance, especially in the Pacific Northwest.

APPLICATION

SR 2284 is a Compact/America-type Kentucky bluegrass ideal for golf courses, sports fields and commercial and home lawns. It is also a favorite of sod growers.

SEEDING RATE

- New turf: 2 pounds per 1,000 square feet or 75-100 pounds per acre
- Seeds per pound: approximately 1,200,000

GERMINATION

- 14-17 days

1996-1999 RUTGERS KENTUCKY BLUEGRASS TRIAL

America Type Turf Quality Ratings

Turfgrass Quality 1-9; 9=best turf quality

<u>VARIETY</u>	<u>96-99</u> <u>Ave.</u>	<u>1996</u> <u>Ave.</u>	<u>1997</u> <u>Ave.</u>	<u>1998</u> <u>Ave.</u>	<u>1999</u> <u>Ave.</u>	<u>Winter</u> <u>Color</u>	<u>Stripe</u> <u>Smut</u>	<u>Seed</u> <u>Head</u>	<u>Leaf</u> <u>Spot</u>
SR 2284	6.3	6.7	6.0	6.2	6.2	5.3	9.0	4.3	8.0
Langara	6.1	6.6	6.3	5.7	6.0	5.3	9.0	5.3	7.7
Unique	5.5	5.8	5.5	5.4	5.3	4.0	8.3	5.3	6.3
Brilliant	5.5	5.8	5.5	5.4	5.3	4.0	8.3	5.3	6.3
America	5.4	5.7	5.1	5.6	5.3	4.3	8.0	5.7	5.7
Apollo	5.3	5.7	5.1	5.3	5.0	4.0	7.3	4.7	5.0
<i>LSD**</i>	<i>0.6</i>	<i>0.7</i>	<i>1.0</i>	<i>1.0</i>	<i>0.8</i>	<i>1.5</i>	<i>1.9</i>	<i>1.7</i>	<i>1.8</i>

2001 NTEP NATIONAL KENTUCKY BLUEGRASS TRIAL*

Turf Quality Ratings Using Schedule "C"

Turfgrass Quality 1-9; 9=best turf quality

<u>VARIETY</u>	<u>ME1</u>	<u>IN1</u>	<u>KS2</u>	<u>MA1</u>	<u>OH1</u>	<u>UT1</u>	<u>Mean</u>
Freedom II	7.4	5.5	5.9	7.1	5.1	6.8	6.3
SR 2284	7.1	5.2	6.1	7.0	4.7	6.7	6.1
Julius	6.9	5.0	5.1	7.3	4.7	5.8	5.8
Barrister	6.8	5.6	5.9	7.3	5.0	6.3	6.2
Alpine	6.8	5.2	6.0	6.9	4.8	5.4	5.8
NuGlade	6.6	5.5	5.1	7.1	5.0	5.9	5.9
Champagne	6.5	5.4	6.3	6.7	5.7	6.0	6.1
Lily	6.5	4.8	5.4	6.5	5.1	5.5	5.6
Baronie	6.3	6.2	6.0	7.2	6.2	6.1	6.3
Bluestone	6.2	5.6	6.0	7.3	4.8	6.9	6.1
Kennblue	6.2	5.4	5.7	5.9	6.0	5.6	5.8
Barzan	6.1	5.2	4.7	6.4	4.1	5.9	5.4
<i>LSD**</i>	<i>1.0</i>	<i>0.8</i>	<i>1.1</i>	<i>0.4</i>	<i>1.2</i>	<i>1.1</i>	<i>0.4</i>
<i>CV%</i>	<i>9.2</i>	<i>9.3</i>	<i>12.4</i>	<i>3.4</i>	<i>14.8</i>	<i>11.5</i>	<i>10.3</i>

1999-2000 RUTGERS KENTUCKY BLUEGRASS TRIAL

Turf Quality Ratings

Turfgrass Quality 1-9; 9=best turf quality

<u>VARIETY</u>	<u>99-00 AVE.</u>	<u>1999</u>	<u>2000</u>	Classic	4.1	4.2	4.0
SR 2284	6.5	6.5	6.5	Huntsville	4.0	4.4	3.6
Moonlight	6.4	6.4	6.4	Sidekick	3.7	3.6	3.8
Sonoma	6.4	6.7	6.1	<i>LSD**</i>	<i>0.8</i>	<i>0.9</i>	<i>0.8</i>
Rita	6.1	6.2	5.9	*—Full data set available on the NTEP web site at www.ntep.org .			
NuGlade	6.0	5.7	6.3	**—To determine if ratings between two varieties are truly different, subtract the lower rating from the higher one. If the result is greater than the LSD value for that column, then the difference is real.			
Showcase	5.9	6.0	5.8	***—CV is the coefficient of variation, which indicates the percent variation of the mean in each column.			
Jefferson	5.8	5.6	6.0				
Brilliant	5.8	5.8	5.8				