

# SEED RESEARCH REPORTS

## **5200E** Strong Creeping Red Fescue

From the turf industry's leading fine fescue breeding program comes the most advanced strong creeping fescue ever developed. **SR 5200E** is the culmination of years of intense breeding and varietal research. It is your best choice for blending with Kentucky bluegrasses and was developed not to overdominate other grasses.

### BREEDING

The program leading to **SR 5200E** began in the early 1980s. Germplasm was collected and screened at the USDA research facility at Beltsville, Md., for higher turf quality under stress conditions, fine leaf texture and leafspot resistance. New material was added to that breeding process in 1991, from the University of Rhode Island, that had very high endophyte levels. This new germplasm source compared favorably to the USDA material in texture, color and growth habit. The final breeding work was conducted at SRO's research facility in Corvallis, Ore. Both programs emphasized using germplasm collected from low maintenance sites for long-term survival.

### SUPERIOR TURF PERFORMANCE

**SR 5200E** has an improved, dark green color and moderately fine leaf texture that compliments many of today's elite Kentucky bluegrasses and perennial ryegrasses. This endophyte-enhanced strong creeping red fescue has exceptional resistance to leafspot and powdery mildew. In addition to being an excellent seed producer, **SR 5200E** has an aggressive, dense growth habit without being overly thatchy.

### ADAPTATION AND USE

**SR 5200E** is perfectly adapted for home lawns, commercial turf and golf course use whether alone or in blends and mixtures. It performs well in shade or sun, and will tolerate a wide range of soil textures and conditions. It adds early spring green-up and winter color to many blends.

### CHARACTERISTICS

- Dark green color
- Improved disease resistance
- Enhanced endophytes
- Compliments Kentucky bluegrass and other fine fescues
- Excellent seed producer
- Excellent range of adaptation

### SEEDING RATE

- New turf: 4-6 pounds per 1,000 square feet or 175-250 pounds per acre
- Seeds per pound: approximately 485,000

### GERMINATION

- 14-17 days

## 1999-2000 Turf establishment and quality of fine fescue in Dayton, Ohio

Turf quality and establishment rating 1-9, 9=best

<u>VARIETY</u>		<u>Establishment</u>	<u>Average</u>	<u>Quality</u>	<u>Quality</u>	<u>Quality</u>
		<u>Nov. 99</u>	<u>Quality</u>	<u>March 00</u>	<u>July 00</u>	<u>Aug. 00</u>
SR 5200E	Strong Creeping Red	7.00	5.3	7.00	5.70	5.00
SR 3100	Hard	6.00	6.9	6.00	7.70	6.80
SR 3200	Blue	5.70	5.6	7.00	5.30	5.50
SR 5100	Chewings	4.70	5.8	7.00	7.00	5.70
Hector	Creeping Red	4.70	5.3	6.30	6.00	5.70
Raymond	Chewings	4.33	4.8	7.30	5.30	5.00
Sandpiper	Chewings	4.30	5.7	6.30	6.70	5.80
Osprey	Hard	3.00	6.7	4.00	7.70	6.80

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## 1996 Turf quality of fine fescue in Centerville, Virg.

Turf quality and establishment rating 1-9, 9=best

<u>VARIETY</u>	<u>Average</u>	<u>Quality</u>	<u>Quality</u>	<u>Quality</u>	<u>Quality</u>	<u>Quality</u>
	<u>Quality</u>	<u>March 96</u>	<u>May 96</u>	<u>June 96</u>	<u>July 96</u>	<u>Aug. 96</u>
SR 5000	5.8	4.5	6.3	6.3	6.0	5.8
SR 5100	5.7	4.5	6.3	6.3	5.8	5.5
SR 5200E	5.7	4.5	5.9	6.2	6.0	5.7
SR 3100	5.2	3.5	6.5	5.0	5.0	5.8
SR 3210	4.8	4.5	5.5	4.9	4.4	4.9
SR 3000	4.4	4.5	6.0	4.0	3.3	4.0