

SEED RESEARCH OF OREGON

The germination of ideas

FEATURES

- Low to high maintenance turf sites
- High turf quality
- Excellent heat and drought tolerance
- Excellent performance in shade and sun
- Bright, dark green color
- Dense, fine, attractive turf
- Low growing
- Uses: Golf course fairways and roughs, to home lawns to unmown roadsides

BENEFITS

- Reduced mowing
- Reduced fungicide use
- Reduced water usage
- Adapted to all turf sites
- Low fertilizer requirement
- Reduced insect pressure

SEEDING RATES

- Seeds/lb: 420,000
- New Turf:
4–6 lbs/1,000 sq ft
200–250 lbs/acre

ESTABLISHMENT

- Germination: 5–10 days under ideal conditions
- First mowing: 2–3 weeks after emergence
- First limited use: 4–6 weeks

SR 3150

HARD FESCUE

SR 3150 hard fescue is a significant advancement in hard fescues enabling this low maintenance species to be used from golf course fairways to unmown roadsides.



Traditionally hard fescues were used on shade sites of home lawns or golf course roughs but the advances in SR 3150 enable this superior product to be used from sun to shade and high to low maintenance sites. The high

endophyte levels enable this variety to resist surface insects and helps provide protection against diseases such as Dollar Spot. Improved heat and summer stress resistance further expands the uses for SR 3150.

History

SR 3150 traces back to the progeny of nine clones selected for improved heat and stress tolerance combined with higher Summer Patch resistance from Rutgers University. The progeny were further evaluated for seed yield, dwarf growth form, dark green color and improved winter growth.

Low Maintenance

SR 3150 hard fescue is a versatile grass that will help reduce maintenance costs whether planted in a monostand or a mixture. Its dwarf growth habit reduces the number and frequency of mowings and reduces clipping yields. In low maintenance areas it forms an attractive, dark green, dense turf requiring minimal water and fertilization in both sun and shade. This makes SR 3150 ideal for use on golf course slopes and bunkers as well as in parks, roadsides and reclamation areas. It is also ideal for the homeowner who desires quality turf with reduced maintenance. In addition, SR 3150 can be mixed with improved Kentucky bluegrasses perennial ryegrasses, and Chewings fescues for a high quality lawn mixture.

Insect and Disease Resistance

SR 3150 contain high levels of viable endophyte which has been shown to provide resistance to a number of turf insects including billbugs, sod webworms, chinch bugs and armyworms. In addition, SR 3150 has shown high levels of resistance to many turfgrass diseases including Red Thread, Summer Patch, Dollar Spot, Leaf Spot and Powdery Mildew. SR 3150 is ideally suited for environmentally sensitive sites where chemical applications are limited or not desired.

PVP

IMPROVEMENT THRU RESEARCH

SR 3150

HARD FESCUE

2001 NTEP – Fine Fescue Quality Ratings of Fine Fescue Cultivars in North Carolina with No Irrigation in Full Sun

Turfgrass Quality Ratings: 1-9; 9=Ideal Turf

| <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> |
|-------------------|----------------|----------------------|----------------|-----------------|----------------|-----------------|----------------|
| SR 3150 HF | 5.1 | Scaldis II HF | 4.6 | Cindy Lou StCRF | 4.1 | Boreal StCRF | 3.0 |
| Stonehenge HF | 4.9 | Rescue 91 HF | 4.6 | Jamestown II CF | 3.7 | Shademark StCRF | 3.0 |
| Reliant II HF | 4.8 | SR 5210 StCRF | 4.1 | Shadow II CF | 3.4 | LSD @ 5% | 0.7 |

1999 NTEP – Fine Fescue Quality Ratings of Hard Fescue Cultivars at Madison, WI Under Fairway Management 1999–2002 Data

Turfgrass Quality 1-9; 9=Ideal Turf

| <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> |
|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| SR 3150 | 5.4 | Reliant II | 4.9 | Stonehenge | 4.7 | Rescue 911 | 4.6 |
| Berkshire | 5.1 | Hardtop | 4.8 | Attila E | 4.7 | Defiant | 4.5 |
| Discovery | 5.0 | Chariot | 4.7 | Eureka II | 4.6 | LSD @ 5% | 0.8 |

1999 NTEP – Fine Fescue Quality Ratings of Hard Fescue Cultivars Under Medium Input in 11 Locations 2001 Data

Turfgrass Quality Ratings: 1-9; 9=Ideal Turf

| <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> |
|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| SR 3150 | 5.5 | Stonehenge | 5.1 | Rescue 911 | 5.1 | Reliant II | 4.9 |
| Berkshire | 5.4 | Hardtop | 4.8 | Hardtop | 5.0 | Defiant | 4.4 |
| Minotaur | 5.3 | Chariot | 4.7 | Discovery | 4.9 | Attila E | 4.4 |
| | | | | | | LSD @ 5% | 0.3 |

1999 NTEP – Hard Fescue Red Thread Ratings of Hard Fescue Cultivars in 2 Locations 2001 Data

Turfgrass Quality Ratings: 1-9; 9=No Disease

| <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> | <i>Cultivar</i> | <i>Quality</i> |
|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| SR 3150 | 8.3 | Berkshire | 7.8 | Discovery | 7.2 | Stonehenge | 6.8 |
| Attila E | 8.0 | Chariot | 7.7 | Rescue 911 | 7.2 | Defiant | 6.3 |
| Reliant II | 8.0 | Hardtop | 7.5 | Minotaur | 7.0 | LSD @ 5% | 1.2 |

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.