

# SEED RESEARCH OF OREGON

The germination of ideas

## FEATURES

- Highest turf quality across all maintenance regimes, from golf course to home lawn
- Excellent wear tolerance
- Fine leaf texture and vibrant dark green color
- Excellent seedling vigor
- Excellent resistance to a broad range of diseases including Gray Leaf Spot, Brown Patch, Red Thread and Crown Rust
- Uses: Ideal for use on golf course fairways and tees, sports fields, home lawns and as a winter overseed

## BENEFITS

- Disease resistance results in fewer fungicide applications
- High levels of viable endophyte for insect control
- Fast establishment
- Greater percentage living ground cover during stressful summer months
- Rapid tillering for excellent wear tolerance
- Low Poa annua invasion

## SEEDING RATES

- Seeds/lb: 220,000–250,000
- Seeds/Kg: 484,000–550,000
- New Turf:  
7–9 lbs/1,000 sq ft  
33–45 gr/m<sup>2</sup>  
300–400 lbs/acre
- Winter Overseeding Rates:  
*Golf Greens*  
30 lbs/1,000 sq ft  
140 gr/m<sup>2</sup>  
*Golf Fairways & Tees*  
450–700 lbs/acre  
*Sports Fields & Golf Roughs*  
250–450 lbs/acre

## ESTABLISHMENT

- Germination: 5–8 days under ideal conditions
- First mowing: 14 days after emergence
- First limited use: 21 days after emergence

# ZOOM

PERENNIAL RYEGRASS

**Zoom** (LCK) perennial ryegrass forms attractive, leafy, endophyte-enhanced turf that rapidly tillers to produce a dense and compact turf in cool season as well as transition zone regions. It has demonstrated the highest overall performance under various maintenance levels ranging from golf course fairways to residential lawns in the 2004 NTEP trial.

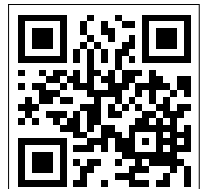


Zoom has shown excellent resistance not only to Gray Leaf Spot but also to most of the major diseases of perennial ryegrass including Crown Rust, Red Thread, Pythium Blight, Brown Patch, Dollar Spot and Pink Snow Mold. This makes it ideal for many uses since it requires less inputs. Zoom has also demonstrated excellent traffic tolerance which makes it superior for use on sports fields, as well as parks. Zoom has demonstrated superior summer performance due to its stress tolerance. It has also been shown to have high mowing quality and less spring stemminess.

Zoom is well suited to conditions requiring higher levels of stress tolerance, particularly to heat and drought. Complete fill-in, density retention, and persistence under these adverse conditions are excellent.

## Application

Zoom's dark green color and high stress tolerances makes it ideal for a variety of professional turf applications. It blends well with other perennial ryegrasses for golf course fairways, sports fields, sod production and home lawns. It also mixes well with Kentucky bluegrass and fine fescues. When blended with other perennial ryegrasses or mixed with Poa trivialis or fine fescue, Zoom makes an ideal winter overseed on permanent bermudagrass turf.





**2004 National Perennial Ryegrass Test**  
**Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars – Grown at 6 Locations in the Northeast Region (2006 Data)**

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

Variety	Mean	Primary	5.7	Monterey 3	5.2	Pinnacle	4.1
<b>Zoom</b>	<b>6.2</b>	Gray Star	5.6	Quicksilver	5.2	Linn	2.6
Fiesta 4	6.1	Paragon GLR	5.6	LaQuinta	5.2	<i>LSD Value*</i>	0.3
Dasher 3	5.8	Pizzaz	5.5	Palmer III	5.0		
<b>SR 4600</b>	<b>5.7</b>	Manhattan 5 GLR	5.5	Panther	4.8		
Palmer IV	5.7	Citation Fore	5.5	Affinity	4.8		

**Mean Turfgrass Quality Ratings of Perennial Ryegrass Cultivars**  
**Grown at 8 Locations in the North Central Region (2006 Data)**

*Turfgrass Quality: 1-9; 9=Best Quality*

Variety	Mean	Pinnacle II	6.3	Quicksilver	6.1	Palmer III	5.5
Cutter II	6.8	Silver Dollar	6.3	Palmer IV	5.9	Affinity	4.8
<b>Zoom</b>	<b>6.6</b>	Panther GLS	6.2	La Quinta	5.9	Pinnacle	4.2
<b>Mach 1</b>	<b>6.6</b>	Manhattan 5 GLR	6.2	Halo	5.8	Linn	2.7
Fiesta 4	6.4	Citation Fore	6.1	Premier II	5.7	<i>LSD Value*</i>	0.4

**2004 National Perennial Ryegrass Test**  
**Seedling Vigor of Perennial Ryegrass Cultivars – Data from 6 Locations (2005 Data)**

*Seedling Vigor: 1-9; 9=Maximum Vigor*

Variety	Mean	<b>SR 4600</b>	<b>6.0</b>	Silver Dollar	5.7	Gray Star	5.4
<b>Firebolt</b>	<b>6.2</b>	Palmer IV	5.9	Paragon GLR	5.7	La Quinta	5.4
<b>Zoom</b>	<b>6.1</b>	Citation Fore	5.9	Pinnacle II	5.6	Palmer III	5.3
<b>Mach 1</b>	<b>6.1</b>	Manhattan 5 GLR	5.8	Palace	5.6	<i>LSD Value*</i>	0.5
Premier	6.1	Pinnacle	5.8	Quicksilver	5.5		

**2004 National Perennial Ryegrass Test**  
**Mean Turf Quality Under Traffic Stress – Puyallup, WA (2006 Data)**

*Turfgrass Quality Ratings: 1-9; 9=Best Quality*

Variety	Mean	Palmer IV	5.4	Grand Slam 2	4.7	Panther	4.2
Derby Xtreme	5.7	Silver Dollar	5.2	Gray Star	4.6	Affinity	4.1
<b>Zoom</b>	<b>5.6</b>	<b>Harrier</b>	<b>5.1</b>	Manhattan 5 GLR	4.6	Premier II	4.1
<b>SR 4600</b>	<b>5.4</b>	Paragon GLR	5.0	Pinnacle II	4.6	Linn	3.5
Fiesta 4	5.4	La Quinta	4.8	Palmer III	4.3	<i>LSD Value*</i>	0.8

*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.*