

FEATURES

- High seedling and mature plant salt tolerance
 - Very high turf quality
 - Dark green color
 - Fine texture and high density
 - High resistance to Gray Leaf Spot, Crown Rust, Red Thread and Brown Patch
 - High endophyte levels for insect resistance and stress tolerance
 - Spreading growth habit for improved recovery in permanent cool season zones
- Uses: sports fields, home lawns, golf course fairways and tees and as a winter overseed for dormant warm-season grass

BENEFITS

- Fast seedling germination and strong establishment
- High endophyte levels
- High tillering for excellent wear tolerance all seasons
- Disease resistance against a broad range of diseases
- Excellent performance in even poor soils

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/m²
300–400 lbs/acre
- Winter Overseed Rates:
Golf green
30 lbs/1,000 sq ft
140 gr/m²
Golf fairways and tees
450–700 lbs/1,000 sq ft
500–780 kg/ha
Sports fields and golf roughs
250–450 lbs/acre
280–500 kg/ha

ESTABLISHMENT

- Germination: 3–7 days under ideal conditions
- First mowing: 10–14 days after emergence

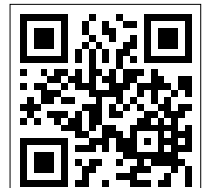


Mighty Perennial Ryegrass (*Lolium perenne*) (Exp. 06-B Lp) derives from improved perennial ryegrasses subjected to multiple cycles of selection for both adult and seedling salt tolerance. Mighty leaps out of the ground due to this selection for germination vigor and superior stress tolerance. The variety also demonstrates improvements in Gray Leaf Spot, Rust, Red Thread and Brown Patch resistance making it a multipurpose ryegrass. Rapid establishment combines with dark green color and fine leaf texture for a perennial ryegrass suited to all zones. Whether for permanent turf or overseeding dormant warm-season grasses, Mighty perennial ryegrass is an important part of any blend or mixture. It has a spreading growth habit for improved recovery in permanent turf.



Increasing use of effluent water or irrigation water high in salts has made it increasingly important to have turfgrasses that can germinate and grow well under these conditions. Mighty perennial ryegrass not only stands up to this, but also to many other stresses. Extra plant vigor allows it to recover rapidly if damage does occur.

Mighty can be blended with other ryegrasses or included in mixtures with bluegrasses or fescues. It is adapted to all mowing heights from sports fields and home lawns to golf fairways and tees. Mighty has shown superior performance for both permanent turf and in blends for overseeding.





2007 CTBT Trial – 2008 Turf Quality – Salem, NJ: Digital Camera Ratings

| Quality Ratings: 1–9; 9=Best | | | | | | | |
|------------------------------|--------------|---------------|--------------|-----------------|--------------|-----------------|--------------|
| Cultivar | 2008 Quality | Cultivar | 2008 Quality | Cultivar | 2008 Quality | Cultivar | 2008 Quality |
| Soprano | 5.37 | Palmer V | 5.13 | Jet | 4.97 | Applaud | 4.80 |
| Mighty (06-B Lp) | 5.33 | Silver Dollar | 5.10 | Integra II | 4.93 | Protégé GLR | 4.70 |
| SR 4600 | 5.30 | 1 GSquared | 5.07 | Line Drive GLS | 4.90 | Prelude IV | 4.70 |
| Paragon GLR | 5.23 | All*Star 3 | 5.03 | Manhattan 5 GLR | 4.87 | Manhattan II | 4.33 |
| Seville 3 | 5.20 | Applaud II | 5.00 | Pizzaz | 4.83 | LSD @ 5% | 0.51 |

2007 CTBT Trial, 2008–2009 Turf Quality – Camarillo, CA – Subjective Ratings

| Quality Ratings: 1–9; 9=Ideal Turf | | | | | | | |
|------------------------------------|--------------|----------------|--------------|-----------------|--------------|-----------------|--------------|
| Cultivar | 2008 Quality | Cultivar | 2008 Quality | Cultivar | 2008 Quality | Cultivar | 2008 Quality |
| Zoom | 6.40 | Line Drive GLS | 5.87 | Dasher 3 | 5.47 | Prelude IV | 5.00 |
| Pizzaz | 6.10 | Silver Dollar | 5.87 | Paragon GLR | 5.27 | Applaud II | 4.73 |
| Mighty | 6.00 | Applaud | 5.70 | Jet | 5.23 | Protégé GLR | 4.73 |
| Soprano | 6.00 | Palmer V | 5.60 | 1 GSquared | 5.20 | Integra II | 4.53 |
| All*Star 3 | 5.97 | Gray Goose | 5.50 | Manhattan 5 GLR | 5.10 | Manhattan II | 3.77 |
| | | | | | | LSD @ 5% | 0.69 |

2007 CTBT Trial – 2009 Data, University of Illinois – % Poa annua

| Quality Ratings: 1–9; 9=Best | | | | | | | |
|------------------------------|--------------|-----------------|-------------|--------------|-------------|-----------------|--------------|
| Cultivar | % Poa annua | Cultivar | % Poa annua | Cultivar | % Poa annua | Cultivar | % Poa annua |
| All*Star 3 | 13.33 | Line Drive GLS | 28.33 | Cutter | 40.00 | Applaud | 48.33 |
| Mighty (06-B Lp) | 18.33 | Integra II | 31.67 | Manhattan II | 41.67 | Pizzaz | 51.67 |
| Zoom | 28.33 | Manhattan V GLR | 35.00 | Palmer V | 43.33 | LSD @ 5% | 33.46 |
| 1 GSquared | 28.33 | Soprano | 38.33 | Protégé GLR | 45.00 | | |
| Paragon GLR | 28.33 | Jet | 38.33 | Applaud II | 48.33 | | |

2007 CTBT Trial – 2008-2009 Turf Quality – Berry, Kentucky

| Subjective Ratings: 1–9; 9=Ideal Turf | | | | | | | |
|---------------------------------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cultivar | 2008-09 Quality | Cultivar | 2008-09 Quality | Cultivar | 2008-09 Quality | Cultivar | 2008-09 Quality |
| Applaud II | 5.70 | Dasher 3 | 5.40 | All*Star 3 | 5.10 | Manhattan II | 3.13 |
| Silver Dollar | 5.63 | 1 GSquared | 5.30 | Applaud | 5.03 | LSD @ 5% | 0.53 |
| SR 4600 | 5.57 | Zoom | 5.27 | Integra II | 4.87 | | |
| Mighty (06-B Lp) | 5.47 | Palmer V | 5.27 | Manhattan 5 GLR | 4.87 | | |
| Soprano | 5.47 | Line Drive GLS | 5.23 | Prelude IV | 4.60 | | |

2009–10 Overseeding Trial University of Arizona – Perennial Ryegrass cultivars and blends

| Quality Ratings: 1–9; 9=Ideal Turf | | | | | | | | | | | |
|------------------------------------|------------|-------------------|------------|------------|------------|-----------------|------------|-------------------|------------|------------|------------|
| Cultivar | Quality | | | Texture | Color | Cultivar | Quality | | | Texture | Color |
| | Fall | Winter/ Spring | Average | | | | Fall | Winter/ Spring | Average | | |
| Mighty (06-B Lp) | 6.8 | 7.7 | 7.3 | 7.5 | 7.6 | Rx Blend | 6.1 | 6.8 | 6.5 | 7.3 | 6.9 |
| Overseed Eagle Blend | 6.0 | 7.2 | 6.7 | 7.0 | 7.3 | Allsports | 6.3 | 7.2 | 6.8 | 6.9 | 6.6 |
| Lover | 6.6 | 7.6 | 7.2 | 7.3 | 7.2 | Playoff | 6.8 | 7.9 | 7.5 | 7.0 | 6.5 |
| Overture Blend | 6.3 | 7.2 | 6.8 | 6.9 | 7.1 | LSD @ 5% | 0.8 | 0.7 | 0.5 | 0.7 | 0.7 |
| Opus | 6.9 | 7.7 | 7.4 | 7.4 | 7.1 | | | | | | |