BONNEVILLE perennial ryegrass offers the golf and turf professional the latest in enhanced gray leaf spot resistance. It has better salt tolerance and improved overall turf quality. Originally developed at Rutgers University, reselected and code named MJK, BONNEVILLE is among the top performers in current testing in many important geographic areas. BONNEVILLE perennial ryegrass has a high endophyte level that enhances turf performance. Endophyte works with the developing and mature plant to enhance stress tolerance and improve insect resistance.

Two major improvements that BONNEVILLE offers are a new level of gray leaf spot and salt tolerance. These problems plague establishing and mature perennial ryegrass stands. In late summer during seeding establishment, gray leaf spot can infect turf stands and leave vast expanses with undesirable browning turf. During late summer season heat, established permanent perennial ryegrass lawns may also become infected.

BONNEVILLE is assured to offer the golf and turf pro as well as homeowner the latest in improved turf and gray leaf spot resistance. It is sure to benefit high sodic soils as well.

Permanent Northern Turf:
New Lawns: 6# per 1000 square feet
Overseed: 3# per 1000 square feet
Sports turf: 10# per 1000 square feet

Dormant Southern Overseeding:
Lawns & Fairways: 8-15 # per 1000 square feet
Tees and Greens: 20-35 # per 1000 square feet

- Top dormant overseeding results
- Proven salt tolerance
- High NTEP performance
- Quick establishing/ Low growing
- HIGH traffic tolerance NTEP
- Endophyte enhanced
2010 National Perennial Ryegrass Test
2011-14 Data
Final Report NTEP No. 15-7

- Top dormant overseeding results
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- Quick establishing/ Low growing
- HIGH traffic tolerance NTEP
- Endophyte enhanced

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**Ryegrasses for golf, sports, and permanent turf**

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**Turf Features**

- **Germination Time** - Fast
  5 to 10 days is normal in spring and fall with irrigation

- **Growth habit** - bunch grass

- **Drought Tolerance** - Good

- **Mowing Height** - from .175 inch daily to 3 inches weekly

- **Disease Resistance**
  Excellent resistance to gray leaf spot
  High resistance to dollar spot and red thread

- **Traffic tolerance** - Good

- **pH Tolerance**
  Ranges from 5.5 to 8.5, Ideally at 6.0 to 6.5

- **Texture**
  Fine leaf texture and dwarf vertical growth habit

- **Compatibility**
  - with Kentucky bluegrasses and fine fescues, turf type tall fescues

- **Color** - Dark green

- **Shade tolerance** - Fair - likes full sun

- **Salt tolerance** - Very Good

- **Endophyte enhanced** - Yes - helps insect and stress tolerance

- **Preferred use** - Home and commercial lawns, sports fields, golf fairways, tees and roughs

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**2010 National Perennial Ryegrass Test**

**North Central Region** - IA1, IL1, MI1, MN1 & NE1

**Transition Region** - MD1, MO1 & VA1

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**AMMI Analysis Quality for LPI Group 2 (2012)**

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<tr>
<th>Variety</th>
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<th>Low</th>
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**Corvallis, OR Quality (Pacific Region)**

**Riverside, CA Quality (Southwest Region)**

**North Central Region Quality**

**Transition Region Quality**