

# FUSION

PERENNIAL RYEGRASS



**Fusion Perennial Ryegrass – High performer & GLSR**

- *Proven Gray Leaf Spot Resistance in trials*
- *High endophyte and aggressive in permanent turf*
- *Dark green color, finer leaf blades*
- *High resistance to dollar spot and red thread disease*
- *High density and improved traffic tolerance*

*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*



**Burlingham  
Seeds**



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*Quality Seed Since 1911*



Variety	Fusion	High	Low	LSD
Turf Quality Summary	6.0	6.3	3.0	0.2
Turf Quality Schedule A	6.2	6.8	2.4	0.3
.5 - .75 INCH MOWING HEIGHT .5 - .75 lb. N/1000 FT2/YEAR IRRIGATION				
Turf Quality Schedule B	5.8	6.3	3.0	0.3
1 - 2 INCH MOWING HEIGHT .5 - 1 lb. N/1000 FT2/YEAR NO IRRIGATION				
Turf Quality Schedule C	6.0	6.6	3.4	0.3
1.5 - 2.5 INCH MOWING HEIGHT .3 - .5 lb. N/1000 FT2/YEAR				
Northeast Region Quality	6.3	6.8	3.4	0.3
Transition Region Quality	5.7	6.4	3.0	0.4
North Central Region Quality	5.9	6.5	2.6	0.4
Upper West Region Quality	5.7	6.6	2.7	0.6
Corvallis, Oregon Quality	5.9	6.3	3.7	0.8
Turf Quality under Traffic Stress (Mead, NE)	6.2	7.4	4.3	3.3
Turf Quality under Traffic Stress (Ithaca, NY)	7.3	7.6	5.1	0.7
Turf Quality under Traffic Stress (Puyallup, WA)	5.1	5.7	3.5	0.6
Genetic Color	7.1	7.8	3.4	0.3
Winter Color	7.7	9.0	5.0	0.9
Leaf Texture 1=coarse	7.5	7.7	5.2	0.3
Spring Density	6.0	7.2	3.7	1.0
Summer Density	6.9	7.9	4.8	0.6
Fall Density	6.2	7.1	3.2	0.5
Spring Greenup	5.9	6.4	3.3	0.5
Seedling Vigor	5.8	6.3	5.2	0.5
% Establishment Rating	70.6	80.9	63.2	5.0
% Living Ground Cover Spring	89.5	97.7	57.0	7.8
% Living Ground Cover Summer	77.2	88.8	49.3	9.9
% Living Ground Cover Fall	77.2	86.7	42.9	8.9
% Cover Under Traffic	56.7	75.0	25.0	63.5
% Winter Kill	43.3	84.2	23.5	27.9
Brown Patch (Warm Temperature)	6.6	7.6	5.1	1.0
Brown Patch (IL)	6.0	8.7	3.7	1.6
Brown Blight	9.0	9.0	3.3	1.4
Pythium Blight Ratings	8.3	9.0	5.7	1.1
Red Thread (OR)	9.0	9.0	5.0	2.1
Crown Rust	5.7	7.3	3.0	1.9
Crown Rust (MN)	5.2	7.3	2.7	1.2
Gray Leaf Spot	7.3	9.0	2.7	1.1
Gray Leaf Spot Stress (NJ)	6.2	7.0	1.0	0.8
% Pink Snow Mold	20.3	55.3	11.0	14.1
Low Temp Injury (SD)	5.0	6.7	2.3	1.5
Weed Rating (ME)	7.7	9.0	3.3	3.7

**Locations By Region**

Northeast Region - MA1,ME1,NJ1,NY1,PA1,QE1 & RI1  
 Transition Region - IL2,KY1,MD1,MO1,OK1 & VA1  
 North Central Region - IA1,IL1,IN1,MI1,MN1,ND1,NE1,SD1 & WI1

**2004 National Perennial Ryegrass Test  
 2005 Data  
 Progress Report NTEP No. 06-1**

## Turf Features

- Germination Time** - Fast  
7 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** - poor to fair - likes full sun
- Salt tolerance** - Good to fair
- Endophyte enhanced** - Yes - helps insect and stress tolerance
- Preferred use** - Home and commercial lawns, sports fields, golf fairways, tees and roughs