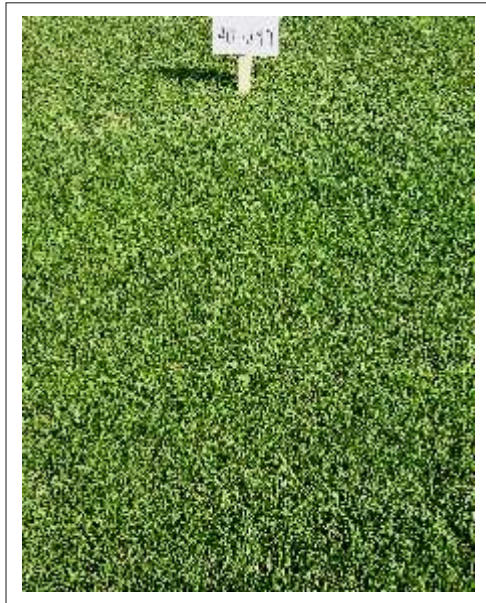




*Classified as an “compact America type” with improved color  
Top performer in heat tolerance  
High scores against dollar spot, leaf spot and summer patch  
Top third NTEP in turf quality in all regions  
Top twenty NTEP in shade and drought tolerance  
Prefers full maintenance and shorter cutting heights*



Picture taken at Rutgers University August 2008

**Seed Specification:**  
**New Lawns:**  
2 to 3 pounds per 1000 square feet  
or 90 to 135 # per Acre

**Overseed:**  
1 to 2 pounds per 1000 square feet  
or 45 to 90# per Acre

**Dormant Winter Seeding:**  
same as above



**Burlingham  
Seeds**



Burlingham Seeds LLC  
PO Box 46 Rickreall, Oregon USA 97371  
Toll Free 800-221-7333  
Phone 503-623-2306  
Fax 503-623-2477  
info@burlinghamseeds.com

*Quality Seed Since 1911*



2007 Data Progress Report NTEP No. 08-1 Rankings by State

Variety	IA1 Ames	IL1 Urbana	IN1 W Lafayette	KY1 Lexington	MA1 Amherst	MD1 College Park	MI1 East Lansing	MN1 St. Paul	NC1 Raleigh	NE1 Mead
Empire	7.0	5.6	5.2	7.4	5.8	5.1	5.7	5.0	7.4	6.9
TQ High	7.9	6.6	6.2	7.8	6.2	6.4	6.5	6.8	8.0	8.1
TQ Low	4.7	2.0	5.1	1.8	12	64	22	58	1.0	4.1
LSD	0.7	1.2	0.8	0.7	0.5	1.1	1.2	0.9	1.7	0.6

Out of 110 varieties in the new NTEP trial on Kentucky Bluegrass  
 If Listed, Turf Quality score = less than 100.  
 Highlights = Top 50      Top in LSD

Variety	NJ2 Adelphia	NM1 Las Cruces	OK1 Stillwater	PA1 Univ. Park	TN1 Knoxville	UT1 Logan	VA1 Blacksburg	WA1 Pullman	WI1 Madison	WY1 Sheridan
Empire	4.3	5.0	4.0	6.9	7.4	4.7	5.3	6.2	7.1	
TQ High	96	32	32	19	22	77	32	75	25	
TQ Low	6.9	6.1	5.3	7.8	7.7	6.6	6.1	6.1	7.9	
LSD	2.7	3.1	2.9	4.3	6.4	3.5	3.0	3.7	2.9	
	0.9	1.7	0.7	1.0	0.5	1.6	0.8	0.9	1.0	

2007 Data Progress Report NTEP No. 08-1

Variety	Empire	High	Low	LSD
Turf Quality Summary	5.7	6.3	4.0	0.2
Turf Quality Schedule A	6.2	7.2	3.0	0.6
1 INCH OR LESS MOWING HEIGHT 3 - 4 lbs. N/1000 FT2/YEAR IRRIGATION				
Turf Quality Schedule B	5.8	6.3	4.2	0.3
1 - 2 INCH MOWING HEIGHT 3 - 4 lbs. N/1000 FT2/YEAR IRRIGATION				
Turf Quality Schedule C	4.8	6.2	3.6	0.6
2.5 - 3.5 INCH MOWING HEIGHT 0 - 2 lbs. N/1000 FT2/YEAR NO IRRIGATION				
Genetic Color	6.8	7.9	4.5	0.3
Winter Color	4.9	6.3	3.1	0.7
Leaf Texture 1=coarse	5.6	7.1	5.3	0.3
Spring Density	6.7	8.3	3.9	1.0
Summer Density	6.5	8.2	3.7	0.8
Fall Density	7.8	8.4	6.4	0.8
Spring Greenup	4.9	6.4	3.5	0.3
% Living Ground Cover Spring	81.8	90.6	59.4	7.5
% Living Ground Cover Summer	86.4	95.3	74.2	9.1
% Living Ground Cover Fall	86.6	92.8	65.9	5.1
Drought Tolerance	4.7	6.0	2.7	1.4
Dollar Spot	7.6	8.0	4.3	0.7
Leaf Spot	6.8	8.1	1.1	0.7
Stem Rust	8.2	8.7	5.6	0.7
Seed Head	6.7	8.7	2.5	1.1
Quality Rating Northeast Region	5.3	6.2	3.7	0.5
Quality Rating Transition Region	6.0	6.4	4.3	0.4
Quality Rating No. Central Region	5.9	6.7	3.3	0.4
Quality Rating Upper West/Mtn Region	5.3	6.5	4.7	0.6
Quality Rating Southwest Region	5.0	6.1	3.1	1.7
Quality Under Drought Stress (ND)	4.6	5.7	3.8	1.7
Quality Under Traffic Stress (NJ)	4.1	7.9	3.1	1.1
Quality Under Traffic Stress (WI)	7.1	7.7	5.8	0.5

**Turf Features**

**Germination Time - Slow**

21 to 28 days is normal in spring and fall with irrigation

**Growth habit** - rhizomes help recovery and sod knitting

**Drought Tolerance** - Good

**Mowing Height** - from 1/2 inch fairway cut to 3 inches

**Disease Resistance**

Very good resistance to dollar spot, leaf spot and summer patch

**Traffic tolerance** - Very Good

**pH Tolerance**

Ranges from 6.0 to 8.0, Ideally at 6.5

**Texture**

Medium leaf texture and dwarf vertical growth habit

**Compatibility** - with Kentucky bluegrass, fine fescue or perennial ryegrass, or 5% in tall fescue mixes

**Color** - Medium dark

**Shade tolerance** - Fair to Good

**Salt tolerance** - Good

**Endophyte enhanced** - No

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