



RESERVOIR

PERENNIAL RYEGRASS

Tap into low-water use with Reservoir

Reservoir is qualified by the Turfgrass Water Conservation Alliance (TWCA) as a low water use and conservation variety. It has a statistically proven ability to tolerate less water, drought stress, and recovers more quickly from drought than conventional perennial ryegrass varieties.

Reservoir's high endophyte content and strong disease package, which includes stem rust and gray leaf spot resistance, contribute to its reliable performance. It has shown good turf quality across various mowing heights and is a top performer for winter over-seeding in the transition zone. Tap into Reservoir for durable turf and water conservation.

Turfgrass Water Conservation Alliance

As a Class-A Member of TWCA, BrettYoung recognizes that water conservation and improving available plant materials, to preserve the environment, is a primary concern for customers. The TWCA protocol to measure water usage involves simulating drought conditions using rainout shelters. When all varieties in a trial are reduced to 25% green cover, the experimental area is saturated with 5.0 cm of irrigation to initiate drought recovery. The trial area is subsequently irrigated weekly with 2.5 cm water. A digital image analysis machine evaluates recovery until plots reach 100% green cover. Qualified varieties demonstrate a statistically significant water saving potential over conventional varieties of the same species.



Features

- Low water use turf
- Improved drought tolerance
- Rapid drought recovery
- Excellent traffic tolerance
- Improved turf quality

Mean Turf Performance

2012 mean turf performance ratings for entries in a perennial ryegrass turf trial seeded fall of 2011 near Rolesville, NC and maintained at a 2.0" mowing height.

ENTRY	COLOR 18 MAY	CROWN RUST 12 JUNE	TURF QUALITY		MEAN
			JAN-APR	MAY-JULY	
Uno	6.3 ¹	7.3 ²	6.9 ³	6.1	6.5
Manhattan 6	7.0	7.0	6.3	6.2	6.3
Reservoir	5.0	6.3	6.5	5.4	6.0
Transformer	6.7	6.0	6.0	5.9	6.0
Palmer V	6.0	6.7	5.8	5.8	5.8
Seville	7.0	7.3	6.0	5.7	5.8
Integra II	5.3	6.3	5.8	5.3	5.6
Silver Dollar	6.3	6.3	5.4	5.6	5.5
Gray Fox	5.0	6.3	5.8	5.1	5.4
Majesty II	6.3	6.0	5.7	4.8	5.3
1G Squared	6.3	5.3	5.9	4.3	5.1
Brightstar SLT	5.3	4.0	5.3	4.9	5.1
Pentium	4.7	4.7	5.1	4.9	5.0
Wind Dance II	7.0	6.3	5.1	5.0	5.0
Grand Slam 2	6.7	6.0	4.4	5.4	4.9
Applaud II	5.0	4.3	5.2	4.4	4.8
Carly	3.7	5.0	4.8	4.2	4.5
Fiesta 4	5.3	4.0	5.1	4.0	4.5
Pennant II	6.3	5.3	4.1	4.3	4.2
Quickstart II	4.7	3.3	4.3	3.5	3.9
Roadrunner	3.3	3.3	4.3	3.5	3.9
Applaud	6.3	7.0	2.4	3.6	3.0
LSD (0.05)	1.1	1.9	1.0	1.1	0.9
CV (%)	12.3	21.7	12.2	14.5	11.4

brettyoung.ca/reservoir
1-800-665-5015



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Mean Turf Performance Ratings

Mean turf performance ratings for entries in a ryegrass winter overseeding turf trial seeded 30 September 2011 near Rolesville, NC and maintained at a 0.5" mowing height.

ENTRY	% GREEN COVER*	COLOUR 02APR	NOV-DEC	TURF QUALITY			TRANSITION	
	08 DEC			JAN-MAR	APR-JUN	MEAN	MAY	JUNE
Gray Fox	96.9	7.0 ¹	6.0 ²	6.4	6.4	6.3	3.23	6.7
Seville 3	98.1	7.0	6.5	6.4	5.0	6.0	4.2	8.3
Reservoir	96.2	6.3	6.0	5.8	5.8	5.9	3.5	6.7
Accent	97.4	6.0	6.3	5.3	5.6	5.7	4.0	7.0
Fiesta 4	97.4	6.3	6.0	5.4	5.4	5.6	4.3	7.7
Brightstar SLT	95.0	6.3	5.2	6.3	5.3	5.6	3.8	6.7
Blazer 4	96.8	6.3	5.8	5.2	5.6	5.5	4.5	8.3
Quickstart II	95.1	6.0	5.8	5.7	5.0	5.5	4.2	7.7
Silver Dollar	96.8	6.3	5.2	5.9	5.6	5.5	3.5	6.3
Carly	97.6	5.3	5.7	5.1	4.4	5.1	5.2	7.7
Citation Fore	95.4	5.7	4.8	4.9	4.6	4.8	4.7	8.0
Charger II	95.2	4.3	4.8	5.2	4.3	4.8	5.0	7.7
Manhattan 6	95.2	6.3	5.5	4.3	4.7	4.8	6.0	7.3
Gulf	94.7	1.0	2.3	2.1	1.8	2.1	7.7	9.0
LSD (0.05)	2.5	1.2	1.4	1.1	1.1	0.9	1.5	1.5
C.V. (%)	1.6	13.7	16.1	14.0	13.6	11.2	19.9	12.6

*evaluated using digital image analysis

¹9 = dark green; ²9 = ideal; ³9 = no visible ryegrass

NTEP Percent Living Ground Cover and Quality

NTEP percent living ground cover and quality ratings of perennial ryegrass cultivars. Turfgrass quality and other ratings 1-9; 9=best

NAME	% COVER	% LIVING GROUND COVER			QUALITY RATINGS
	SPRING	BEFORE TRAFFIC	MID-WAY TRAFFIC	AFTER TRAFFIC	MEAN
SALINAS II	75.0	97.7	83.3	76.7	6.4
Stellar 3GL	78.3	97.7	78.3	78.3	6.3
Sunstreaker	78.3	89.3	92.7	88.3	5.9
Grand Slam GLD	76.7	97.7	91.7	90.0	5.9
Reservoir	73.3	99.0	83.3	80.0	5.9
Dominator	76.7	96.3	83.3	76.7	5.8
Fastball RGL	73.3	94.7	85.0	83.3	5.8
Provost	75.0	96.0	91.7	86.7	5.8
Evolution	80.0	97.7	70.0	63.3	5.7
Prominent	73.3	91.7	65.0	68.3	5.5
MANHATTAN 6 GLR	76.7	96.3	76.7	63.3	5.4
Pangea GLR	71.7	94.7	83.3	66.7	5.4
Playoff 2	76.7	94.3	73.3	71.7	5.3
Banfield	76.7	93.3	71.7	66.7	5.2
Pillar	75.0	92.7	46.7	43.3	5.0
Bonneville	73.3	91.7	75.0	68.3	4.9
LINN	50.0	60.0	48.3	36.7	3.0
LSD VALUE	25.8	11.2	44.3	40.5	1.1
C.V. (%)	12.1	6.5	19.4	25.6	10.9

Mean Crown and Stem Rust Ratings

Mean crown and stem rust ratings for entries in a perennial ryegrass seed yield trial seeded fall of 2012 near Hubbard, OR.

ENTRY	CROWN RUST 2013	STEM RUST		
		2014	2015	MEAN
Estelle	7.3 ¹	9.0 ¹	8.7	8.8
Salinas II	6.0	9.0	7.7	8.3
Reservoir	8.0	9.0	7.0	8.0
Parkside	7.7	9.0	6.7	7.8
Pistol	8.3	9.0	6.7	7.8
Pacific Gem	7.7	8.3	7.0	7.7
Rainwater	6.7	9.0	6.3	7.7
Carly	6.7	8.7	6.0	7.3
Charger II	4.3	8.0	6.7	7.3
Manhattan 6	8.0	7.7	6.7	7.2
Silver Dollar	5.7	8.3	6.0	7.2
Brightstar SLT	4.7	8.0	6.0	7.0
Transate	3.7	7.7	6.0	6.8
Benchmark	9.0	7.0	5.3	6.2
LSD (0.05)	1.6	1.0	1.3	0.8
CV (%)	14.6	6.8	11.7	6.5

¹9 = no disease