

SEED RESEARCH OF OREGON

The germination of ideas

FEATURES

- Superior seed quality – NO POA
- High Gray Leaf Spot resistance
- Excellent wear tolerance
- Fine leaf texture and vibrant green color
- Excellent seedling vigor
- Superior seedling and mature plant salt tolerance
- Excellent for permanent turf and overseeding warm-season grasses
- Uses: Golf courses, sports fields, parks, schools and commercial landscaping

BENEFITS

- Rapid establishment to out-compete *Poa annua* and other weeds
- Disease resistance results in fewer fungicide applications
- High levels of viable endophyte for insect control
- Reduced inputs and lower maintenance costs
- Widely adapted due to broad genetic base
- Rapid tillering, spreading varieties for excellent wear tolerance

SEEDING RATES

- Seed / lb: 300,000 – 310,000
- Seed / Kg: 600,000 – 680,000
- New Turf:
 - 7–9 pounds / 1000 sq ft
 - 33–45 grams / sq meter
 - 300–400 pounds / acre
- Winter Overseed Rates:
 - Golf greens –
 - 30 pounds / 1000 sq ft
 - 140 grams / sq meter
 - Golf fairways and tees
 - 450–700 pounds / acre
 - Sports fields and golf roughs
 - 250–450 pounds / acre

CHAMPION GQ

PERENNIAL RYEGRASS

CHAMPION® GQ (*Lolium perenne*) perennial ryegrass blend was developed with turf characteristics important for all uses. In addition, CHAMPION® GQ has superior seed quality, with a NO POA tag based on extended seed testing so you are not planting your problems. The cultivars used exhibit rapid establishment, stress and disease tolerance, cool weather active growth, wear tolerance and recovery. They demonstrated high overall performance under various maintenance levels ranging from golf course fairways to residential lawns.



The range of performance of CHAMPION® GQ makes it ideal for all perennial ryegrass uses. The components of CHAMPION® GQ have been selected for excellent traffic tolerance which makes it superior for use on sports fields, as well as parks. The high summer performance due to its drought and stress tolerance make it ideal for permanent turf. Yet CHAMPION® GQ has also shown excellent performance as a grass for overseeding bermudagrass with superior winter growth. Excellent germination and growth with saline water enable CHAMPION® GQ to be used in marginal sites.

Disease Resistance

The cultivars in CHAMPION® GQ exhibit high levels of Gray Leaf Spot resistance and are also resistant to many other important turf diseases, including Crown Rust, Winter Net Blotch, Dollar Spot, Red Thread and Brown Patch. The broad genetic base insures high resistance against a broad range of diseases for consistent performance.

Endophyte-Enhanced

CHAMPION® GQ contains high levels of viable endophytes. This provides resistance to a large number of surface and crown feeding insects including billbugs, sod webworms, chinch bugs and armyworms. The presence of endophytes also contributes to increased stress tolerance with better summer survival and enhanced fall recovery.

Establishment

- Emergence: 3–7 days under ideal conditions
- First mowing: 14 days after emergence
- First limited use: 3 weeks emergence



CHAMPION GQ

PERENNIAL RYEGRASS

2010 National Perennial Ryegrass Test – 2010-2011 Data

Mean Overall Turfgrass Quality – Winter Overseed on Dormant Bermudagrass, Tucson Country Club – Tucson, AZ

Overall Turfgrass Quality 1-9; 9=Best											
Variety	Mean	3/5/13	Variety	Mean	3/5/13	Variety	Mean	3/5/13	Variety	Mean	3/5/13
Sideways	7.1	8.7	Haven	6.8	7.0	Allante	5.9	6.7	Palmer V	5.4	6.0
Octane	7.3	8.0	Insight	6.6	7.0	Pangea GLR	6.2	6.3	Brightstart SLT	5.9	5.7
Mach 1	6.4	7.7	Sox Fan	6.0	7.0	Pizzazz 2 GLR	6.1	6.3	Linn	4.1	4.0
Sienna	6.8	7.3	Pinnacle	5.9	7.0	Rinovo	6.2	6.0	LSD@5%	1.7	3.4
Rio Vista	6.7	7.0	Uno	6.1	6.7	Bonneville	5.7	6.0			

2010 National Perennial Ryegrass Test – 2011 Data

Mean Turfgrass Quality and Gray Leaf Spot Ratings of Named Perennial Ryegrass Cultivars Grown at Adelphia, NJ (GLS Study)

Ratings 1-9; 9=Ideal Turf or No Disease								
Variety	Quality	Gray Leaf Spot 71 days	Variety	Quality	Gray Leaf Spot 71 days	Variety	Quality	Gray Leaf Spot 71 days
SR 4650	7.9	8.0	Sox Fan	5.6	5.0	Insight	1.7	2.0
Sideways	6.7	7.7	Fiesta 4	5.0	4.7	Brightstar SLT	1.4	1.7
Pangea GLR	7.6	7.0	Palmer V	4.6	4.3	Allante	1.8	1.3
Bonneville	6.8	7.0	Haven	4.2	4.3	Pinnacle	1.1	1.0
Octane	7.6	6.7	Uno	3.6	3.0	Linn	1.0	1.0
Pizzazz 2 GLR	6.8	6.7	Dominator	3.0	3.0	LSD@5%	1.0	1.1
Rio Vista	6.1	6.0	Sienna	2.1	2.3			

2010 National Perennial Ryegrass Test – 2012 Data

Mean Turfgrass Quality Ratings of Named Perennial Ryegrass Cultivars In Traffic Study at Madison, WI

Turfgrass Quality Ratings 1-9; 9=Ideal Turf									
Variety	Mean	Variety	Mean	Variety	Mean	Variety	Mean	Variety	Mean
SR 4650	5.6	Sideways	5.3	Karma	5.2	Allante	4.9	Palmer 5	4.6
Premium	5.6	GrandSlam GLD	5.3	Thrive	5.1	Sienna	4.7	Rinovo	4.2
Stamina	5.4	Aspaire	5.2	Wicked	5.0	Linn	4.6	Prominent	4.1
								LSD@5%	1.0

2010 National Perennial Ryegrass Test – 2011 Data

Percent Green Under Drought – Blacksburg, VA

%Percent Green Cover								
Variety	1 mth Irrigation Withheld 7/24	Recovery 9/6	Variety	1 mth Irrigation Withheld 7/24	Recovery 9/6	Variety	1 mth Irrigation Withheld 7/24	Recovery 9/6
Sideways	17.7	80.0	Sox Fan	14.0	60.0	Linn	8.3	43.7
SR 4660 ST	17.0	76.7	Palmer V	22.3	55.3	Brightstar SLT	21.0	43.3
SR 4650	20.3	70.7	Pangea GLR	19.0	52.0	Haven	11.7	41.7
Uno	21.0	68.3	Insight	16.7	50.0	Pinnacle	18.7	38.7
Pizzazz 2 GLR	7.0	65.0	Rio Vista	4.3	50.0	LSD@5%	33.6	58.7
Dominator	15.0	63.0	Allante	10.0	47.3			
Octane	18.0	61.0	Sienna	37.0	46.7			

2016 Overseeding of Bermudagrass Fairway Test – Tucson Country Club - Tucson, AZ

Turfgrass quality and other Ratings: 1-9; 9=Best							
Variety/Blend	Mean	Variety/Blend	Mean	Variety/Blend	Mean	Variety	Mean
Champion GQ	7.5	LTP-3 PR	6.7	Line Drive II	6.1	LSD@5%	0.8
Landmark 5	6.8	Stellar 3GL	6.7	Landmark 3	6.1		
Commander ST	6.7	Brightstar SLT	6.5	Prosport 4	6.0		
Futura 3000	6.7	SPR	6.5	Allsport 5	5.9		