

The germination of ideas

FEATURES

- High levels of Gray Leaf Spot resistance
- · Fast germination
- Fine leaf texture with dark green color
- · High levels of endophytes
- Broad genetic base
- Superior disease resistance
- Excellent for both permanent turf and winter overseeding
- Uses: Golf courses, sports fields, parks, schools and commercial landscaping

BENEFITS

- Rapid establishment to outcompete Poa annua and other weeds
- Reduced inputs and lower maintenance costs
- · Widely adapted
- Superior performance at low mowing heights

SEEDING RATES

- Seeds/lb: 220,000–250,000
- New Turf: 7–9 lbs/1,000 sq ft 300–400 lbs/acre
- Winter Overseed Rate: 30 lbs/1,000 sq ft for golf greens 250–450 lbs/acre for golf roughs and sports fields 450–700 lbs/acre for golf

ESTABLISHMENT

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



CHAMPION* GQ perennial ryegrass, was developed with an emphasis on selection based on qualities turf professionals have told us are most important: rapid establishment, stress and disease resistance, and rapid recovery. CHAMPION* GQ is composed of the SR 4000 series and other exceptional varieties of perennial ryegrasses adapted for your specific region.



Disease Resistant

The SR 4000 series perennial ryegrasses — including SR 4600, SR 4220, SR 4350, SR 4420, SR 4500 and SR 4550 — have excellent resistance to common turf diseases including: Crown Rust, Gray Leaf Spot, Winter Netblotch, Large Brown Patch, Leaf Spot, Red Thread and good resistance to Stem Rust. The broad genetic base and high disease resistance of these varieties contributes to the superior performance of CHAMPION* GQ.

Gray Leaf Spot Resistant

Since the initial outbreak in the mid-1990's, Seed Research has been feverishly working to develop varieties that can withstand the ravages of Gray Leaf Spot (GLS). The initial GLS screening cycle has yielded varieties that are significantly more resistant to GLS than has ever been seen before — SR 4220, SR 4350, SR 4420, SR 4500 and SR 4550. The addition of SR 4600 adds the highest level of GLS resistance. All succeeding generations of our perennial ryegrasses will go through this grueling screening process before they are approved for blending in CHAMPION* GO.

Endophyte-Enhanced

CHAMPION* GQ contains very high levels of viable endophyte. A wide range of endophyte sources in the different varieties are used so these also have a broad genetic base. Due to these very high endophyte levels, CHAMPION* GQ exhibits enhanced resistance to a number of important insects including: billbugs, sod webworms, chinch bugs, armyworms and aphids. The presence of the endophyte also contributes to improved stress tolerance with better summer survival, enhanced fall recovery and reduced weed invasion. These high endophyte levels are maintained through proper storage of breeder, foundation and certified seed.



				egrass Ratings als – All Location	S		
		Turfgra	ss Quality 1	-9; 9=Ideal Turf			
Variety	Mean	Pentium	6.2	Premier II	5.9	Monterey II	5.7
SR 4220	6.3	Hawkeye	6.1	SR 4350	5.8	Buccaneer	5.1
Applaud	6.3	SR 4500	6.0	Palmer III	5.8	Linn	3.4
SR 4420	6.2	Brighstar SLT	6.0	Manhattan 3	5.7	LSD Value	0.2
		Gray Leaf Spot Rati	THE RESERVE OF THE PARTY OF THE				
elements of the	2000	Data – NTEP Trials –	Southern	Illinois University	, Carbon	dale II.	
		Gray Leaf S	Spot Ratings.	1-9; 9=No Disease			
300 SE 500 SE 500	Mean	Kokomo	6.0	Fiesta 3	5.0	Panther	3.3
Courage	6.3	Divine	5.7	Manhattan 4	5.0	LSD Value	1.5
SR 4350	6.0	Pizzazz	5.7	Manhattan 3	4.0		
SR 4220	6.0	Mach 1	5.7	Pennant II	4.0		
SR 4500	6.0	Applaud	5.3	Palmer III	3.7		
	Perenniai	Ryegrass Cultivars -	2002 D	ata	s at three	locations	
); 9=Ideal Turf			
	Mean	Manhattan 4	5.8	Fiesta 3	5.7	Charger II	5.2
Grand Slam	6.1	Blazer IV	5.8	Quest II	5.6	Monterery II	5.1
SR 4220	6.0	Churchill	5.8	Brightstar II	5.6	Palmer III	5.0
Courage	6.0	SR 4420	5.7	Mach 1	5.5	Affinity	5.0
Kokomo	6.0	Premier II	5.7	Pizzazz	5.5	LSD Value	0.7
SR 4350	5.9	Divine	5.7	Secretariat	5.4		
				nnial Ryegrass Tri lean of 2 Location ta			
	2,	Disease	Rating: 1-9;	9=No Disease			
Variety	Mean	Charismatic II GLSR	8.2	Keystone 2	6.8	Brightstar SLT	4.7
Fiesta 4	9.0	Palmer IV	8.0	Overdrive	6.5	Pinnacle	3.3
SR 4600	8.8	Regal 5	7.8	Pizzazz	5.5	LSD @ 5%	1.1
Harrier	8.5	Revenge GLX	7.7	Palmer III	5.3		
ALLES TO THE STATE OF THE STATE	8.3	Fusion	7.3	Affinity	5.2		
Derby Xtreme	0.5	- 00.011		4 41411110 9			

To determine whether a cultivar's performance is different from another, subtract one entry's mean from another entry's mean, If this value is larger than the LSD value, the observed difference in cultivar performance is significant and did not happen by chance. Complete tables are available upon request.