

FEATURES

- Drought tolerant
Resists wilting
Stays green longer
Recovers rapidly
- Superior Brown Patch resistance
- Dark green genetic color
- Excellent wear resistance and recovery
- Superior turf quality
- Uses: Sports fields, golf courses, schools, parks and landscapes

BENEFITS

- May use less water
- High persistence
- Excellent sports fields
- Superior under all maintenance regimes
- Blends well with other tall fescues, as well as Kentucky bluegrass and ryegrass
- High endophyte levels for stress tolerance and insect control

SEEDING RATES

- Seeds/lb: 240,000
Seeds/kg: 528,000
- New turf:
8–10 lbs/1,000 sq ft
40–50 grams/sq m
350–400 lb/acres
400–455 kg/ha
- Repair Rates:
6–8 lbs/1000 sq ft
30–40 grams/sq m
250–350 lbs/acre
285–400 kg/ha

ESTABLISHMENT

- Germination: 6–10 days under optimal conditions
- First mowing: 21–30 days
- First limited use: 40–60 days

GUARDIAN 41

TURF-TYPE TALL FESCUE

Guardian 41 (STR-8BB5) turf-type tall fescue (*Festuca arundinacea*) protects your turf from drought, Brown Patch and wear. Guardian 41 under drought conditions resists wilting, stays green longer and recovers quicker. Often to achieve drought resistance breeders sacrifice turf quality or disease resistance, but



Guardian 41 was developed with a balanced approach as a multiple-trait variety. The very high lateral tillering gives it superior density with excellent wear tolerance and recovery. Guardian 41 has higher Brown Patch resistance and excellent turf quality.

The germplasm that was used to develop Guardian 41 was broad based

with very high lateral tillering rate. This contributes to the high density and wear tolerance, with quicker recovery. Often varieties with this broad based, lateral tillering trait also show significant levels of rhizome formation. Guardian 41 turf-type tall fescue can be used on lower mowing height, higher maintenance sports fields previously reserved for Kentucky bluegrass and/or perennial ryegrass.

Fine leaf texture enables Guardian 41 to be blended with many Kentucky bluegrass varieties. With the higher density and broad based tillering, it does not become clumpy as older tall fescue cultivars often did in blends. It can also be blended with perennial and intermediate ryegrasses with good success.

GUARDIAN 41

TURF-TYPE TALL FESCUE

**2006 NTEP Tall Fescue
Drought Resistance Rating 2007 – 11 Means**

Drought Wilting 1-9; 9 = No wilting, Dormancy 1-9; 9 = No Dormancy, Recovery 1-9; 9 = Complete Recovery

Variety	Wilting	Domancy	Recovery	Variety	Wilting	Domancy	Recovery	Variety	Wilting	Domancy	Recovery
Guardian 41	6.4	4.8	6.3	Speedway	5.6	4.6	6.0	Rebel IV	5.9	4.3	5.9
Essential	5.6	4.2	6.3	SR 8650	5.3	4.0	6.0	Lindbergh	6.3	5.2	5.8
Mustang 4	6.1	4.0	6.2	Bladerunner II	5.5	4.8	6.0	Van Gogh	6.8	4.8	5.8
Bullseye	6.2	4.7	6.2	Escalade	5.8	5.2	6.0	Silverado	5.9	3.9	5.2
Wolfpack II	6.5	4.6	6.1	Falcon IV	5.5	4.3	6.0	KY-31	5.9	3.9	4.8
Justice	5.7	3.7	6.1	Penn RK-4	5.4	4.4	5.9	LSD @ 5%	1.5	1.7	0.4

**2006 NTEP Tall Fescue
Density ratings 2007 – 11 Means**

Density 1-9; 9 = Maximum Density

Variety	Spring	Summer	Fall	Variety	Spring	Summer	Fall	Variety	Wilting	Domancy	Recovery
Faith	6.8	7.2	7.0	Speedway	6.5	7.0	6.7	Falcon IV	6.2	6.5	6.6
Bullseye	6.8	7.2	6.9	Mustang 4	6.7	7.1	6.7	Lindbergh	6.2	6.5	6.4
Guardian 41	6.8	7.1	6.8	Justice	6.3	6.7	6.7	Silverado	6.3	6.2	6.1
Bladerunner II	6.6	6.9	6.8	Essential	6.3	6.8	6.6	KY-31	5.2	5.0	4.9
Penn RK-4	6.9	7.0	6.8	Rebel IV	6.6	6.7	6.6	LSD @ 5%	1.0	0.8	1.2
Escalade	6.5	6.6	6.8	Van Gogh	6.5	6.9	6.6				

**2006 NTEP Tall Fescue
Southeast USA Quality Ratings 2007 – 11 Means**

Turfgrass Quality 1-9; 9 = Best

Variety	Mean	Variety	Mean	Variety	Mean	Variety	Mean	Variety	Mean
Rhambler SRP	6.3	Speedway	6.1	Bladerunner II	6.1	Lindbergh	5.9	KY-31	4.4
Faith	6.2	Mustang	6.1	Falcon IV	6.0	Honky Tonk	5.8	LSD @ 5%	0.4
Guardian 41	6.1	Fat Cat	6.1	Rebel IV	5.9	Silverado	5.5		

**2006 NTEP Tall Fescue
North Central USA Quality Ratings 2007 – 11 Means**

Turfgrass Quality 1-9; 9 = Best

Variety	Mean	Variety	Mean	Variety	Mean	Variety	Mean	Variety	Mean
Falcon V	6.6	Mustang 4	6.4	Rocket	6.3	Falcon IV	5.9	LSD @ 5%	0.4
Corona	6.5	Garrison	6.4	Honky Tonk	6.2	Lindbergh	5.8		
Guardian 41	6.4	Crossfire 3	6.4	Justice	6.2	Silverado	4.9		
Essential	6.4	Speedway	6.3	Rebel IV	6.1	KY-31	3.3		

**2006 NTEP Tall Fescue
Brown Patch Ratings 2007 – 11 Means**

Brown Patch Ratings 1-9; 9 = Best

Variety	Br. Patch	Variety	Br. Patch	Variety	Br. Patch	Variety	Br. Patch	Variety	Br. Patch
Tallegda	7.4	Guardian 41	6.7	Falcon IV	6.7	Honky Tonk	6.4	LSD @ 5%	1.0
Mustang 4	7.3	Speedway	6.7	Rebel IV	6.7	Lindbergh	6.2		
Bladerunner II	6.8	SR 8650	6.7	KY-31	6.7	Silverado	6.1		
Jamboree	6.8	Garrison	6.7	Rocket	6.6	Plato	5.4		