

A product of Pickseed research, in cooperation with Rutgers, MacKenzie creeping bentgrass (tested as SRX1 GPD) is Pickseed's newest variety of creeping bentgrass. MacKenzie was developed as a multi-use variety, to perform well under severe summer stress conditions at green, tee and fairway height.

DEVELOPMENT:

MacKenzie was developed by Dr. Leah Brilman, working in cooperation with Rutgers. The original clones were selected and screened from plants selected from high stress environments. All parent material used for MacKenzie was selected to produce deep roots and to thrive under extreme conditions of summer heat and disease stress. After many years of testing and refinement, MacKenzie was entered into the 2003 NTEP trials and demonstrating excellent performance, was released for commercial production in 2006.

CHARACTERISTICS:

MacKenzie is a multi-use creeping bent. It will tolerate the lowest putting green cutting heights, but also is excellent for tee and fairway use. It has a medium dark green color, a finer leaf texture, and an overall dense and attractive appearance, even under reduced fertility. It is very well adapted to areas with significant summer stress. It has been bred to produce a healthy and deep root system, even in the summer, and also resists ball mark damage. MacKenzie produces a uniform turf with excellent year round performance.

DISEASE RESISTANCE:

MacKenzie has demonstrated excellent resistance to dollar spot and to summer stress related to diseases such as Pythium, brown patch, and Fusarium patch. It also has good resistance to cold area diseases such as the snow molds and cool temperature brown patch, and maintains good winter active growth.

ESTABLISHMENT:

With about 6,000,000 seeds per pound, MacKenzie establishes well with first emergence at about 3-5 days in warm weather, and 6-10 in cooler conditions. A seeding rate of 1 to 1-1/2 lbs. per 1000 sq. ft. is recommended. First mowing can be expected in about 21 days, and first limited use in approximately 6-8 weeks. For overseeding or interseeding a rate of 2-3 lbs. per 1000 sq. ft. is recommended.



ADAPTATION:

MacKenzie is well adapted throughout the normal areas of creeping bentgrass use. It has excellent cold tolerance, and NTEP data demonstrates that it grows well in Canada and other colder than normal areas. It has been successfully tested for use on greens, tees and for fairway use. It can be successfully blended with other elite creeping bents such as the Aggressor Pro Blend, the Aggressor Tournament Blend, Cato, Ninety-Six Two, Pennlinks, Penneagle, L-93 or Providence.

TECHNICAL PRODUCT SPECIFICATIONS

Year of Introduction	2006
Main Uses	Greens, tees and fairways
Seed Count	6,000,000 seeds / lb.
Normal Days to Germinate	3 – 5 days (6-10 in cooler conditions)
Normal Days to First Mowing	2 – 28 days
NTEP Quality Ratings	Excellent – 6.7 (tee & fairway) and 6.2 (soil greens)
Genetic Color	Medium Dark – 6.8
Summer Stress Tolerance	Excellent
Leaf Texture	Fine – 7.3
Summer Turf Density	Excellent – 7.3
Shade Tolerance	Fair
Wear Tolerance	Excellent
pH Range	5.0 – 8.1
Mature Plant Height	29 cm.
Close Mowing Tolerance	Excellent – down to 0.120"
Growth Rate	Medium 0 4.7 cm / week
Snow Mold Resistance	Very Good – 6.7 (pink snow mold)
Leaf Spot Resistance	Good – 6.0
Summer Patch Resistance	Very Good
Brown Patch Resistance	Very Good – 8.5
Dollar Spot Resistance	Good – 5.7