

Outstanding Gray Leaf Spot resistance, Brown Patch resistance, overseeding quality and seedling vigor combine to make a perennial ryegrass that is unmatched. Like the name suggests, the results you will achieve are inevitable - this kind of Karma will take you to new heights in your turf program!

INTRODUCTION:

Karma (tested in the NTEP as Pick 10401) is a product of the PICKSEED and Rutgers breeding programs. It was developed at PICKSEED, and has demonstrated superior germination, establishment and growth in areas with severe summer stress. In the NTEP trials to date, it is proving to be a top performer under all maintenance situations.

For overseeding, Karma has exceptional results at all three testing locations, ranking #1 at the Tucson location. Items measured were percent establishment, percent cover, quality, color and quality in the winter. Karma finished with a mean rating of 8.3 out of a possible 9.

DISEASE AND INSECT RESISTANCE:

Karma has excellent resistance to Gray Leaf Spot, ranking #2 in the current NTEP test with a 7.8 score. It also has the best Brown Patch resistance of all varieties tested. Combine that with good Pythium resistance, very good Pink Snow Mold resistance and excellent summer density and Karma will fit the bill for any application.



SEEDING AND ESTABLISHMENT:

In the north, a seeding rate of 6 - 8 lbs. per 1000 sq. ft. is recommended. For southern overseeding, a seeding rate of 10-20 lbs. per 1000 sq. ft. for fairways and roughs, or 30-40 lbs. for golf course greens will yield great results. With warm soils, you can expect germination in 4-6 days after planting. The best mowing heights for Karma are 1/2 - 2", but on overseeded golf greens Karma can tolerate cutting heights down to 1/8".

TECHNICAL PRODUCT SPECIFICATIONS

Year of Introduction	2012
Main Uses	Perennial turf, overseeding, sports turf
Seed Count	280,000 seeds / lb.
Normal Days to Germinate	4 - 7 days
Normal Days to First Cutting	Approx. 21 days
NTEP Quality Ratings (2011 data)	Excellent - #1 in AMMI Group 1; 5.9 in Group 3
Genetic Color	Dark green - 6.2
Seedling Vigor	Excellent - 6.8
Leaf Texture	Medium fine
Summer Turf Density	Very dense - 6.3
Salt Tolerance (10,000 ppm)	Very good
Spreading Ability	Moderate
Seedhead Ratings (9=none)	Excellent - 7.0
Gray Leaf Spot Resistance	Excellent - 7.8 (#2 in test)
Brown Patch Resistance	Excellent - 6.2 (best in test)
Pythium Resistance	Good
Pink Snow Mold Resistance	Very good - 5.3
Overseeding Success	Excellent - #1 in Tucson



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