



Perennial Ryegrass

Metolius (PPG PR-165) was developed at Rutgers and Peak Plant Genetics and licensed to VSP. Metolius is an elite lower growing, dense dark green variety and has demonstrated excellent establishment and turf quality for both perennial turf in the north and for overseeding in the south. Metolius performed exceptionally in the National Turfgrass Evaluation Trials (NTEP).

Disease Resistance and Overall Performance:

Gray Leaf Spot continues to be a critical issue in perennial ryegrass. Metolius scored 8.7 and was tied for first among the 88 entries. It was one of the best (#4 overall) for spring green up. Genetic color of Metolius remained excellent, exhibiting better color than varieties such as Karma, Apple, Stellar and the like. It was one of the very best varieties in resisting *Poa annua* invasion.

Metolius has high turf quality in the Northeast and exhibited excellent wear tolerance in the U of Mass turf trials. It was one of the very best for brown patch resistance at Rutgers. Its summer density was great, and was excellent for early spring green up. Genetic color and texture were similar to other elite varieties and mowing quality was excellent.

Seeding and Establishment:

Metolius is a fast starter having the fastest establishment of any variety in the 2014 NTEP! With the way perennial ryegrass is used for overseeding and professional turf, the first year data is the most important. And among elite varieties, establishment is the most important characteristic. In 2011, the first year of the current NTEP, Metolius got off to a great start and was the best variety (#1) of the 88 tested for speed of establishment.

Its seedling vigor (vertical growth rate of the seedlings) was similar to other varieties but establishment was the best of all varieties tested. This is because Metolius has been bred for aggressiveness, but aggressiveness in tillering and density, not in vertical growth. Its rapid establishment was again reflected in its first year density (ranking second among the 88 varieties).

Seeding and Establishment:

For perennial turf in the north and for southern overseeded turf, Metolius the best mowing height is 1/2"- 2". However, on overseeded golf greens and tees you can mow extremely low—down to 1/8". As a general guideline, use applications of balanced fertilizer supplying 1/2 to 3/4 lbs. actual N/ 1000 square feet per month of growing season. Metolius tolerates labeled applications of all commonly used turf herbicides.

Features

- Developed at Rutgers and Peak Plant Genetics
- Lower growing
- Dark green color
- High density
- High wear tolerance - ideal for sports fields
- Superior disease resistance
- Excellent for overseeding dormant grasses

Primary Pest and Disease Resistances

- Gray Leaf Spot
- Brown Patch
- Pythium
- Red Thread
- Leaf Spot
- Dollar Spot
- Surface and crown feeding insects (webworms, army worms, billbugs, etc)

Uses

- Golf Course Fairways
- Golf Course Tees
- Golf Course Greens
- Sports Turf
- Parks
- Home Lawns

Seeding Rates

- **Northern Areas**
6-8 lbs/1,000 sq ft
- **Southern Areas**
10-20 lbs/1,000 sq ft



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NTEP 2011-2014 Final Data Highlight Percent Establishment Ratings of Perennial Ryegrass

NAME	IL	MA	MEAN
METOLIUS	71.7	70.0	70.8
SR 4650	70.0	66.7	68.3
SIDEWAYS	71.7	50.0	60.8
KARMA	65.0	56.7	60.8
SIENNA	68.3	50.0	59.2
FASTBALL RGL	58.3	56.7	57.5
APPLE SGL	56.7	56.7	56.7
MANHATTAN 6	66.7	36.7	51.7
LSD Value	13.5	13.2	9.4

NTEP 2011-2014 Final Data Highlight - Wear Tolerance Ratings of Perennial Ryegrass Cultivars at Amherst, MA

NAME	2011	JULY 2012	SEPTEMBER 2012	2013	MEAN
SUNSTREAKER	6.0	6.0	6.3	7.3	6.5
PALMER V	5.3	6.0	5.3	6.7	5.9
METOLIUS	5.7	5.0	6.0	6.0	5.7
SIDEWAYS	5.3	5.3	5.7	5.7	5.5
SEDUCTIVE	5.0	5.7	4.7	6.0	5.4
KARMA	4.0	5.0	5.7	6.0	5.1
LINN	3.7	4.7	3.0	3.7	3.7
LSD Value	1.0	1.2	1.5	1.2	0.8

Wear Tolerance Ratings 1-9;
9 = Maximum Tolerance

NTEP 2011-2014 Final Data Highlight Gray Leaf Spot Ratings of Perennial Ryegrass Cultivars

NAME	MEAN
METOLIUS	8.7
SIDEWAYS	8.3
MANHATTAN 6	8.0
WICKED	8.0
SEDUCTIVE	6.7
BRIGHTSTAR SLT	4.7
LINN	3.0
LSD Value	2.0

Gray Leaf Spot Ratings 1-9;
9 = No Disease



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