

Quantum Leap is a compact midnight type of Kentucky bluegrass derived from a single apomictic plant from the cross of Midnight x Limousine. Quantum Leap offers the best qualities of both varieties including very dark green color and density, along with the aggressive growth of Limousine.

**DESCRIPTION:**

Versatility is a key strength of Quantum Leap. In recent NTEP trials and over many years of use, it has exhibited superior turf quality at all levels of maintenance. This makes Quantum Leap the perfect choice for all applications including sod production, golf course fairways and tees, sports fields and home lawns. Wherever a dense, attractive turf is desired, Quantum Leap is the one to choose. Its exceptional sod strength makes it stand out when wear is an issue.

**USAGE:**

The dark, rich color of Quantum Leap provides an attractive appearance, even under reduced nitrogen fertilization rates. While moderately aggressive, Quantum Leap is not as thatch-prone as earlier aggressive bluegrasses. This translates into better utilization of resources like moisture and fertilizer. Quantum Leap has also shown excellent resistance to many turfgrass diseases like necrotic ring spot and melting out, as well as pests like chinch bugs so inputs are reduced even more. If heat and drought tolerance are a concern, Quantum Leap will provide relief.



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# QUANTUM LEAP

## KENTUCKY BLUEGRASS

Quantum Leap has better heat tolerance than many bluegrass varieties enabling it to be used for quality turf farther south. Quantum Leap can also be used in sun or shade, or at ½ - 2" cutting heights making it ideal for all uses.

**SEEDING & ESTABLISHMENT:**

For new turf, Quantum Leap should be seeded at 2 – 3 lbs. / 1000 sq. ft., or 90 – 125 lbs. per acre. For overseeding, the rate would be 1 – 2 lbs. / 1000 sq. ft., or 40 – 90 lbs. / acre.

### TECHNICAL PRODUCT SPECIFICATIONS

Year of Introduction	2002
Main Uses	Sod, lawns, golf courses, parks
Seed Count	1,200,000 seeds / lb.
Normal Days to Germinate	8-10 days, fall
Normal Days to First Mowing	40 days, fall
NTEP Quality Ratings (2001- 2005 Data, Schedule B)	Excellent—6.0
Genetic Color	Very dark green—7.7
Summer Stress Tolerance	Excellent
Turf Density	Dense—7.7 in summer
Shade Tolerance	Excellent—5.7 (KY)
Sod Strength Rating (MA)	Good - 6.3
pH Range	5.1 - 7.8
Mature Plant Height (9=tallest)	Very low - 2.7 (Rutgers data)
Close Mowing Tolerance	Excellent—0.5" minimum
Stem Rust Resistance	Good - 6.9
Leaf Spot Resistance	Very good—7.2
Summer Patch Resistance	Good - 7.5
Dollar Spot Resistance	Very good—7.5
Wear Tolerance	Very good—7.3 (MA Data)