

Features

- Exceptional sod strength
- Good drought and shade tolerance
- High quality performance at all mowing heights and regions
- Very dark green color
- Uniform, dense attractive turf
- Excellent resistance to Necrotic Ring Spot, Summer Patch, Melting Out, Crown Rust and Chinch Bug
- Use: Excellent choice for a wide range of uses including sod production, golf courses, sports fields, and lawns

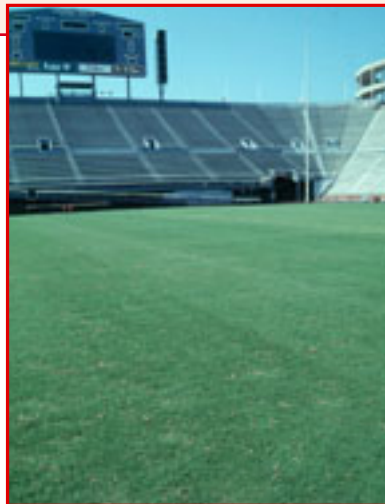
Benefits

- Superior turf quality under all management practices
- Reduced thatch production for better utilization for resources
- Reduced diseases for higher quality turf
- Dark color even under reduced nitrogen fertilization rates
- Tolerant of low mowing heights as short as one-half inch
- High wear tolerance for sports fields, golf courses and home lawns

Seeding Rates

- New turf: 2-3 pounds per 1,000 square feet or 90-125 pounds per acre
- Overseed Rate: 1-2 pounds per 1000 square feet or 40-90 pounds per acre
- Seeds Per Pound:
Approximately 1,200,000

Quantum Leap Kentucky Bluegrass is a Compact/Midnight type of 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. Prized for its versatility, **Quantum Leap** performs well whether on the sports field or in the backyard.



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.

If heat and drought tolerance are a concern, **Quantum Leap** will provide relief. **Quantum Leap** has better heat tolerance than many bluegrass varieties enabling it to be used for quality turf further south. **Quantum Leap** can also be used in sun or shade or at one-half to two inch cutting heights making it ideal for all uses.

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.

Versatile and attractive, **Quantum Leap** is the perfect choice.

Establishment

- Germination: 14-21 days under ideal conditions
- First limited use: 4-6 weeks

Distributor:

Turf Quality Ratings of Kentucky Bluegrass Cultivars

2000 NTEP

2004 Data Set – 14 Locations in the U.S. (Schedule B)

Turfgrass Quality Rating: 1-9; 9=Ideal Turf

Variety	Mean	Langara	5.9	Unique	5.3	Raven	4.7
NuDestiny	6.1	Midnight II	5.8	Northstar	5.2	Goldrush	4.6
Blue Velvet	6.0	NuGlade	5.6	Shamrock	5.1	Kenblue	4.3
Quantum Leap	5.9	P-105	5.5	Baron	4.7	LSD @ 5%	0.3

Turf Quality Ratings of Kentucky Bluegrass Cultivars

2004 Data Set – Grown at 8 Locations

Under Fairway Management Conditions (Schedule A)

Turfgrass Quality Ratings: 1-9; 9=Ideal Turf

Variety	Mean	NuGlade	6.1	Cheetah	5.6	Baron	5.0
Midnight II	6.3	Midnight	6.1	Chicago II	5.6	Goldrush	4.8
Arcadia	6.2	Langara	5.9	Shamrock	5.4	Kenblue	4.0
Quantum Leap	6.1	Kingfisher	5.7	Julia	5.2	LSD @ 5%	0.3

Genetic Color of Kentucky Bluegrass Cultivars

2000 NTEP – Mean of All Locations

2004 Genetic Color Ratings

Genetic Color Ratings: 1-9; 9=Dark Green

Variety	Mean	Midnight II	7.6	NuGlade	7.1	Unique	6.2
Moonlight	7.9	Freedom III	7.5	Freedom II	7.1	Baron	6.1
Quantum Leap	7.8	Midnight	7.5	Blacksburg II	6.7	Raven	5.9
Chicago II	7.8	Arcadia	7.4	Diva	6.7	Kenblue	4.9
Tsunami	7.7	Kingfisher	7.2	Shamrock	6.2	LSD Value	0.3

Drought Tolerance of Kentucky Bluegrass Cultivars

2000 NTEP – Mean of All Locations

2002 Data

Drought Tolerance (Wilting) Ratings: 1-9; 9=No Wilting

Variety	Mean	Baron	7.0	Diva	6.7	Perfection	5.3
Mallard	8.0	Midnight II	7.0	Barrister	6.0	Freedom	5.3
Midnight	7.3	Chicago II	6.7	Shamrock	6.0	Award	4.3
Quantum Leap	7.0	Eagleton	6.7	Tsunami	5.7	LSD Value	2.3

To determine whether a cultivar's performance is different from another, subtract one entry's mean from another entry's mean. If this value is larger than the LSD value, the observed difference in cultivar performance is significant and did not happen by chance. Complete tables are available upon request.