

Top Athletic



- 27% Falcon IV Tall Fescue
- 27% Gazelle Tall Fescue
- 26% Shenandoah II Tall Fescue
- 10% Palmer IV Perennial Ryegrass
- 10% Guinness Kentucky Bluegrass



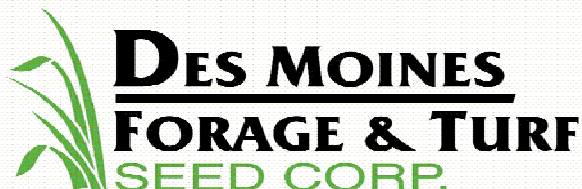
Top Athletic Mix is an ideal combination of turf type tall fescues, blue grasses and perennial ryegrasses that provides an extremely wear-tolerant and attractive mixture for municipal fields, recreational play areas, lawns, schools, golf course roughs and airport runways to name a few. Can be used in areas of full sun & partial shade.

- Exceptional wear tolerance
- Superior turf quality
- Dark green color
- Maintains density during summer & fall months
- Develops dense root system
- Great for playgrounds, parks & sports fields

RECOMMENDED SEEDING RATE:

Established Lawn: 3-4 lbs/1000 sq ft

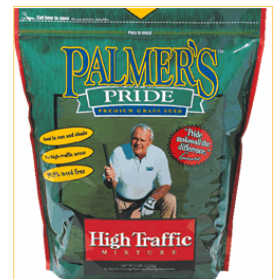
New Seeding Area: 6-8 lbs/1000 sq ft



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Top Athletic Field Mix

Contains mixture of 27% Falcon IV, 27% Gazelle, and 26% Shenandoah II tall fescue, 10% Palmer IV perennial ryegrass and 10% Guinness Kentucky bluegrass by weight. Top Athletic Field Mix is an ideal combination of cool-season turfgrass that provides an extremely wear tolerant and attractive mixture for municipal fields and recreational play areas. It can also be used in full sun and partial shade. Improved tall fescue varieties like Falcon IV, Gazelle and Shenandoah II replace K-31, a coarse pasture grass, which has been used on lawns for years. Tall fescue remains green most of the year unlike warm-season grasses such as zoysiagrass, bermudagrass and St. Augustine grass that turn brown in cool temperatures. Tall fescue is durable, drought tolerant and requires lower maintenance and inputs than other cool-season species. The key to its drought tolerance is an extensive deep and fibrous root system. These roots are able to mine subsoil moisture when other cool-season grasses go into drought induced dormancy or die. Where water shortages exist, tall fescue is a great choice. Palmer IV improved perennial ryegrass has very rapid germination and ground cover establishment rate due to prolific basal tillers. Perennial ryegrass has the best traffic tolerance (Brinkman simulated) of all the cool-season species and does well on compacted high bulk density soils. Guinness Kentucky bluegrass has very extensive rhizomes that have the ability to fill in damaged areas by their aggressive lateral growth. Kentucky bluegrass also has excellent cold tolerance, improved traffic tolerance, slow vertical growth rate which results in less mowing and the best quality turf of the cool-season species.

Features:

- Exceptional wear tolerance and superior turf quality
- Requires less water & fertilizer to maintain high quality turf
- Improved insect & disease resistance
- Develops dense, deep fibrous root system
- Maintains density during summer and fall months

Benefits:

- Full year green turf color
- Low water requirement
- Fast establishment
- Genetically diverse, requires few fungicides
- Deep extensive root system for improved drought tolerance
- Resistance to above ground insects

Performance:

Falcon IV ranked #1 and statistically tied for 1st in mean turf quality among 160 entries in the 2001 NTEP Tall Fescue Test progress report No. 03-1 conducted across 31 US locations. Gazelle exhibits the finest leaf texture and least vertical growth (less mowing) of 129 tall fescue varieties evaluated in the 1997-2000 Final Report NTEP Tall Fescue Test. Shenandoah II tied for 3rd in mean turf quality in the 1997-2000 Final Report NTEP No. 01-14 Tall Fescue test conducted across 28 US and Canadian locations respectively and tied for 1st in turf quality in transitional zone locations across the US. Palmer IV Perennial ryegrass tied for 1st in turf quality in the 2004 NTEP Perennial Ryegrass Progress Report 06-1 (2005) across 30 US and Canadian locations. Palmer IV is highly resistant to Gray Leaf Spot. Guinness Kentucky bluegrass has been tested recently in University trials and is an excellent alternative to “Shamrock types” that have been used in the past. Guinness statistically ranked 3rd & 7th in mean turf quality among 165 varieties and experimental in a four year trial from 1999-2003 at Adelphia and North Brunswick, NJ respectively (Rutgers).

Top Athletic Field Mix

Uses:

Top Athletic is specially formulated for new and reseeded playgrounds, park areas and intramural sports fields. Top Athletic is a genetically diverse, wear tolerant mixture that is particularly well adapted to the Midwestern US. It is recommended for irrigated athletic fields where heavy play, durable turf and safe uniform playing surfaces are desired. It is also specially formulated for reseeding, overseeding and interseeding of existing home lawns and commercial sites.

Establishment and Maintenance:

When establishing new turf Top Athletic should be seeded at 6-7lbs. Per 1000 ft². Sow in spring or fall when soil temperatures are 60°F or higher. Seed should be drilled or broadcast, should be lightly covered with weed free mulch or clean sand or soil, rolled to firm up the soil and planted no deeper than ¼ inch. Irrigate and keep the soil moist continually until seedlings have greater than three leaf stage. Under optimal growing conditions germination can be expected in 14-21 days. Attractive turf color should be observed in 30 days with the first rotary mowing on day 30 post establishment. Limited use of the seeded area can be expected 45 days. In northern and transitional areas of the US the recommended cutting heights are 1” to 2”.

Renovating Old Turf:

Top Athletic is an excellent choice to renovate old turf areas with or without the use of Roundup® herbicide to kill the old turf prior to seeding. Seed at 3-4 lbs. Per 1000 ft² for slice seeding and interseeding of existing lawns and commercial sites. If there are many undesirable grasses in the old turf area it is best to spray Roundup® at the manufacturers recommended rate prior to seeding. The seed should be planted by using a slit seeder or a dethatching machine to incorporate the seed in the soil below the thatch level. If there is more than ¾” of thatch, dethatching should be done prior to the spreading of seed.

Weed Control:

(From NCSU Pest Control Recommendations for Turfgrass Managers, 2003.) In established turf for post-emergent broadleaf control 2, 4-D and *dicamba* (Banvel). Spring pre-emergent control DCPA of *bensulide* (Dacthal). Pre-emergent crabgrass and goosegrass control on established Top Athletic with *pendimethalin* (Pre-M), *proflam* (Barracade), *oxadiazon-benflin*, *oryzalin* (Surflan), *benflin* (Balan), *siduron* (Tupersan), *dithiopyr* (Dimension).

*All reference to pesticides, herbicides and fungicides whether a generic or named product is for general informational purposes only. Text reference is not intended as an endorsement nor does omission imply criticism. Always read and follow labeled instructions.