



Technical Data Sheet:

TRI-BLUE ELITE

KENTUCKY BLUEGRASS BLEND



The **Tri-Blue Elite Kentucky Bluegrass Blend** is a premium, 100% elite-grade cool-season turfgrass mixture meticulously formulated for high-end residential lawns, sports fields, and golf courses. By leveraging the individual genetic strengths of three highly-rated **National Turfgrass Evaluation Program (NTEP)** cultivars, this blend establishes rapidly, forms a dense, self-repairing sward, and maintains a rich, deep-green aesthetic.

Composition & Genetic Breakdown

This 3-way blend is genetically engineered to mitigate monoculture vulnerabilities through diverse varietal strengths:

Cultivar	Blend %	Classification / Type	Primary Purpose & Genetic Strength
Acoustic	40%	Compact/Elite	Top NTEP mean quality performer; delivers superior summer density and exceptional dark green color.
Blue Note	40%	Compact America-type	Broad-spectrum disease/insect resistance; exceptional shade tolerance, cold hardiness, and winter color.
Bolt	20%	Washington/Jefferson-type	Industry-leading seedling vigor and rapid establishment; outcompetes weeds and <i>Poa annua</i> .

Key Performance Characteristics

- **Rapid Aggressive Establishment:** Powered by **Bolt**, the blend breaks through traditional slow bluegrass germination barriers to suppress aggressive weed pressures early.
- **Rhizomatous Self-Repair:** Features a strong underground runner system (rhizomes) that knits a tight sod, filling bare spots and healing high-traffic wear automatically.
- **Elite Visual Quality:** Maintains an ultra-dark green genetic color profile with fine leaf textures that produce crisp, highly defined stripes when mowed.
- **Drought & Stress Resiliency:** Possesses deep-rooting capabilities that extend green color well into hot summer months, recovering smoothly from periods of summer heat dormancy.

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Great Seed ... Great Results

Technical Specifications Application Rates

- **New Lawn Seeding:** 1.5–2.5 kg per 100 m² (3–5 lbs per 1,000 sq. ft.).
- **Overseeding / Interseeding:** 0.7–1.2 kg per 100 m² (1.5–2.5 lbs per 1,000 sq. ft.).

Environmental Tolerances

- **Sun Requirements:** Performs best in **Full Sun**, with above-average performance in **Moderate/ Light Shade** via *Blue Note*.
- **Soil Adaptability:** Thrives across a wide range of soil matrix types (from high-sand sports profiles to heavier clay soils); ideal pH ranges between **6.0 and 7.0**.
- **Mowing Tolerance:** Exceptionally versatile; safely handles standard lawn heights of **30–50 mm**, yet tolerates elite low-mow management down to **12 mm (0.5 inches)** under professional sports turf irrigation.

Establishment & Cultural Guide

1. Seedbed Preparation

Cultivate, level, and remove debris from the area. Apply a high-quality starter fertilizer to ensure essential phosphorus is localized near the young root zone.

2. Sowing Windows

Plant when soil temperatures are consistently within the optimal **15°C to 28°C** range.

- **Late Summer to Early Autumn (Preferred):** Provides peak moisture and minimal weed competition.
- **Spring:** Mid-to-late spring after final ground frosts clear.

3. Germination Management

Sow seed shallowly at a depth of **6–12 mm (1/4" to 1/2")**. Keep the seedbed continuously moist with light, frequent waterings until complete germination occurs (**10–21 days** depending on climate).

Note: Following germination, the grass enters a “sprout and pout” phase where downward root and rhizome architecture develops before significant top-growth resumes. Do not force excessive nitrogen during this structural phase.

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