



Raw K-31 Technical Data Sheet (TDS)

Product

- Species: *Festuca arundinacea*
 - Variety: Kentucky 31 (K-31)
 - Type: Cool-season perennial bunchgrass
 - Use: Lawn, pasture, erosion control, roadsides, utility turf
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Key Performance Characteristics

Drought Tolerance

- Excellent
- Deep root system provides superior drought survival compared with many cool-season grasses.

Wear / Traffic Tolerance

- Good to high
- Suitable for play areas, utility turf, and pasture applications.

Shade Tolerance

- Moderate
- Better than Kentucky bluegrass but not as shade tolerant as fine fescues.

Disease Resistance

- High.

Heat Tolerance

- High
- Performs better under summer stress than many cool-season turfgrasses,

Planting Guidance

Best Planting Season

Ideal

- Mid-August through late September

Secondary Window

- April through May

Fall seeding is preferred because soil temperatures are ideal for germination while weed competition is lower.

Soil Preparation

1. Remove weeds and debris.
2. Till or loosen top 4–6 inches.
3. Correct pH if needed.
4. Apply starter fertilizer.
5. Firm seedbed before seeding.
6. Lightly rake after broadcasting.

Seeding Depth

- 1/8 inch ideal
 - Maximum 1/4 inch Tall fescue should never be buried deeply.
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Seeding Rates

Lawn

New Lawn

- 6–8 lbs. per 1,000 sq ft.

Aggressive New Seeding

- 8 lbs. per 1,000 sq ft commonly used by contractors.

Overseeding

- 4–6 lbs. per 1,000 sq ft
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Pasture

Pure Stand

- 20–25 lbs. per acre
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Germination & Establishment

Germination

Expected under favorable conditions:

Condition	Timeline
First sprouts	7-10 days
Typical germination	7-14 days

Extended window Up to 21 days

Soil Temperature Range

- 60°F–85°F optimum germination range.

Establishment Timeline

Stage	Timing
Emergence	1-2 weeks
First mowing	3-4 weeks
Usable turf	6-8 weeks
Mature stand	2-6 months

Watering Schedule

Immediately After Seeding

- Keep surface continually moist.
- Light irrigation 2–4 times per day if weather is warm and dry.

After Germination

- Water once daily.
- Gradually reduce frequency and increase depth.

Established Turf

- Approximately 1–1.5 inches/week total water.

Sun Exposure

Minimum

- About 4 hours direct sun/day

Recommended

- 6+ hours/day direct sunlight

Optimal

- Full sun (>8 hours/day).