MU Guides Recommended:

G6954: “Soil Sampling Lawns”
G6700: “Cool Season: Lawn Establishment and Renovation”
G6705: “Cool Season: Lawn Maintenance Calendar”
IPM 1009: “Turfgrass and Weeds”
IPM 1020: “Turfgrass and Insects”
IPM 1029: “Turfgrass and Disease”

Additional Guides:

G6959: “Don’t Bag It Lawn Care”
G6720: “Home Lawn Watering Guide”
G6749: “Natural Lawn Care”
G6706: “Establishment and Care of Zoysia Lawns”
G6730: “Establishment and Care of Buffalograss Lawns”
5 Points to Turf-type Fescue Management

1) Seeding Lawn
   a. SEPTEMBER is the month to plant
   b. Rent a power slit seeder (call and get on list before weekend you plan to use)
   c. Purchase turf fescue NOT Kentucky 31 or Perennial Rye (read seed tag on bag)
   d. Mow existing grass lawn very low (1 inch or lower two days before seeding) and remove clippings
   e. Seeding rate of 6 pounds per 1000 square feet (should be a setting chart with seeder)
      i. Plant in two different directions (3 pounds each direction)
   f. Water twice a day for 30 minutes each until grass is 2 inches tall

2) Fall Maintenance (1 pound of Nitrogen/1000 square feet per application)
   a. Water less frequent if fall is dry after grass reaches 2 inches (do NOT mow)
   b. October – 10 lbs of 13-13-13 per 1000 square feet broadcast two directions (5 lbs each direction)
   c. October – Mow if necessary (maintain at least 3 inch tall grass)
   d. November – 10 lbs of 13-13-13 per 1000 square feet broadcast two directions (5 lbs each direction)

*Fertilizer source in recommendations are only one example and ease of reference.

3) Winter Maintenance
   a. February – soil sample (Refer to Soil Sampling Guide 6954)
   b. March – second week apply crabgrass preventer only (NOT weed and feed products) (read directions on bag)
   c. March – lime if pH is low from soil sample

4) Spring Maintenance
   a. March – third week apply 2,4-D + dicamba products for broadleaf weeds (read the label)
   b. April – third week re-apply 2,4-D + dicamba products (read the label)
   c. May – first week apply 10 lbs of 13-13-13 per 1000 square feet broadcast two directions (5 lbs each direction)
   d. Mow every 3 days at highest setting on mower (maintain at least 3 inch tall grass)

5) Summer Maintenance
   a. Water when necessary and mow less frequently

**Fertilizer sources will vary, Phosphorus (P) and Potassium (K) recommendations based on soil test, lime is NOT fertilizer and should only be applied to adjust pH
GROWTH OF GRASSES

Cool Season Shoots

Warm Season Shoots & Roots

Cool Season Roots

SPRING       SUMMER       FALL
**Cool Season Species/Cultivar Selection:**

**Turf-type tall fescues**

<table>
<thead>
<tr>
<th>Titanium LS</th>
<th>Mustang 4</th>
<th>3rd Millennium</th>
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</thead>
<tbody>
<tr>
<td>Justice</td>
<td>Raptor II</td>
<td>Biltmore</td>
</tr>
<tr>
<td>Bullseye</td>
<td>Rhambler SRP</td>
<td>Falcon V</td>
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<tr>
<td>Turbo</td>
<td>Monet</td>
<td>Braveheart</td>
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**Suggested seeding rates in Pure Live Seed (PLS)**
- establishment (broadcast): 7-9 lbs/1000 ft²
- establishment (slit-seed): 5-6 lbs/1000 ft²
- over-seeding (broadcast): 5-6 lbs/1000 ft²
- over-seeding (slit-seed): 3-4 lbs/1000 ft²

Fall Seeding Recommended
Use the higher rates when seeding in the Spring vs. the Fall
Uniform seeding is very important with Turf Fescue
Seed in at least two directions
Cool Season Species/Cultivar Selection: Kentucky Bluegrass and Perennial Ryegrass

• These can be blended with Turf Fescue
• Suggested seeding rates in PLS
- Not recommended to be seeded alone for any turf area

Bluegrass:
   establishment (broadcast/slit seed): 2-3 lbs/1000 ft²

Ryegrass:
   establishment (broadcast/slit seed): 6 to 8 lbs/1000 ft²

Perennial Ryegrass Performers:
Repel III, Brightstar II, Citation III, Manhattan 3, Morning Star, Secretariat, Imagine
Cool Season Species/Cultivar Selection: Fine Fescues

Fine-leafed fescues: shade grass for well-drained soils, not generally very tolerant to traffic, mowing and disease

Creeping Red Fescue
   Recommended cultivars
   Shademaster II, Silverlawn

Chewing Fescue:
   Recommended Cultivars:
   Shadow II, Tiffany, Brittany, Sandpiper

Suggested PLS Seeding Rate: 5 lbs/1000 ft²
Warm Season Species/Cultivar Selection: Zoysia or Bermuda

• Usually sprigs or plugs
• Zoysia:
  – Sprig – 10 bu/1000 ft$^2$ or 6” rows
• Bermuda:
  – Sprig – 3 yd$^2$/1000 ft$^2$ Seed – 2 lb/1000 ft$^2$
• Requires 6 to 8 hours full sun per day
• Does best with 2 to 3 lbs N/1000 ft$^2$ per year
• Mow 1 to 2 inches, 1 to 3 times a week

G6770
Mole Facts:

- Feed and rest on 2 hr cycle, 24 hours a day.
- Earthworms and other insects constitute 85% of their diet.
- They consume 70 to 80% of their body weight daily.
- Single litter of 2 to 5 young each spring.
- Hibernate near large trees through winter.