

Forte BRAND Tall Fescue

Endophyte-Free

Performance/Management

- Quick-establishing, deep-rooted, long-lived perennial bunchgrass that is easily managed for pasture or hay
- Adapted to a wide range of environmental conditions including wet soils, and tolerates alkalinity and salinity
- When established Forte tall fescue grows quickly, is endophyte-free and has fine leaves for improved palatability over KY 31 tall fescue

Seeding Rate Recommendations

- See chart below

Agronomics

	5	4	3	2	1
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Yield		•			
Maturity		•			
Palatability			•		
Digestibility			•		
Disease tolerance		•			
Stand density		•			
Winter hardiness	•				
Drought tolerance	•				
Grazing adaptability		•			
Fit grass/legume mix			•		
Leaf texture	•				

Optima BRAND Orchardgrass

Late Maturity

Performance/Management

- Late-maturing, long-lived, winter-hardy perennial bunchgrass that can be grown alone or in a mixture for hay or pasture
- Widely adapted orchardgrass with increased tillering to produce a dense stand without the clumping of traditional varieties
- Excellent rust resistance
- An ideal component in mixtures with alfalfa

Seeding Rate Recommendations

- See chart below

Agronomics

	5	4	3	2	1
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Yield	•				
Maturity		•			
Palatability		•			
Digestibility		•			
Disease tolerance			•		
Stand density			•		
Winter hardiness		•			
Drought tolerance	•				
Grazing adaptability		•			
Fit grass/legume mix	•				
Leaf texture		•			

Mercury BRAND Annual Ryegrass

Cold Tolerant

Performance/Management

- Early-maturing annual ryegrass with cold tolerance for winter pasture in the southeastern U.S. or as early-harvest green-chop or silage, or as a cover crop in the northern half of the U.S.
- Adapted to over-seeding into fields or pastures of other species to boost yields and quality. Responds to fertility and timely management.
- Rust resistant

Seeding Rate Recommendations

- See chart below

Agronomics

	5	4	3	2	1
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Yield	•				
Maturity					•
Palatability	•				
Digestibility	•				
Disease tolerance		•			
Stand density	•				
Winter hardiness				•	
Drought tolerance			•		
Grazing adaptability	•				
Fit grass/legume mix			•		
Leaf texture		•			

Grasses and Mixtures Recommended Seeding Rates

Product	Bag Size	Seeding Method and Pounds Per Acre				
		Drilled Pure Stands	Broadcast Pure Stands	Interseeding	Over/Frost Seeding	Grass/Hay Mixture
Forte Brand Tall Fescue	25	25 to 30	30 to 35	10 to 15	10 to 15	5 to 8
Optima Brand Late Orchardgrass	25	20 to 25	25 to 30	10 to 15	10 to 15	4 to 5
Mercury Brand Annual Ryegrass	25	30 to 35	35 to 40	15 to 20	15 to 20	3 to 5

Agronomic and Mixture Ratings:

- 1 = Early or Poor
- 3 = Average
- 5 = Late or Best

Jetta BRAND Italian Ryegrass

*Cover Crop/
Emergency Forage*

Performance/Management

- Cool-season biennial for use as a late-summer/early-fall cover crop or as a late-spring planted nurse or forage crop
- Being a biennial, Jetta has a good chance of surviving winter, but will not put on a seed head when planted late spring
- Use lower seeding rate if using as a nurse crop to establish legumes

Seeding Rate Recommendations

- See chart below

Agronomics



Yield	●				
Maturity			●		
Palatability	●				
Digestibility	●				
Disease tolerance		●			
Stand density	●				
Winter hardiness		●			
Drought tolerance			●		
Grazing adaptability	●				
Fit grass/legume mix	●				
Leaf texture	●				

Journey BRAND Perennial Ryegrass

For Permanent Pastures

Performance/Management

- Cool-season, perennial ryegrass for use as pure stands or in mixtures for permanent pastures intended for 3 to 5+ productive harvest seasons
- Responds to fertility, adequate moisture and best grazing practices
- When planting with legumes or in mixtures with other grasses, reduce the seeding rate of Journey to prevent smothering by Journey's fast growth habit

Seeding Rate Recommendations

- See chart below

Agronomics



Yield	●				
Maturity		●			
Palatability	●				
Digestibility	●				
Disease tolerance	●				
Stand density	●				
Winter hardiness		●			
Drought tolerance			●		
Grazing adaptability	●				
Fit grass/legume mix	●				
Leaf texture	●				

Titan Timothy

Late Maturity

Performance/Management

- Late-maturing, perennial bunchgrass for the traditional timothy production area for hay, silage, or pasture
- Best adapted to soils with good drainage
- Responds to best management practices when grown alone or in mixtures
- Very good seedling vigor and can be established in the spring or fall

Seeding Rate Recommendations

- See chart below

Agronomics



Yield	●				
Maturity	●				
Palatability	●				
Digestibility	●				
Disease tolerance		●			
Stand density		●			
Winter hardiness	●				
Drought tolerance				●	
Grazing adaptability		●			
Fit grass/legume mix	●				
Leaf texture		●			

Grasses and Mixtures Recommended Seeding Rates

Product	Bag Size	Seeding Method and Pounds Per Acre				
		Drilled Pure Stands	Broadcast Pure Stands	Interseeding	Over/Frost Seeding	Grass/Hay Mixture
Jetta Brand Italian Ryegrass	25	30 to 35	35 to 40	15 to 20	15 to 20	3 to 5
Journey Brand Perennial Ryegrass	25	30 to 35	35 to 40	15 to 20	15 to 20	3 to 5
Titan Timothy	50	5 to 8	8 to 10	3 to 5	3 to 5	5 to 8
All Grass Pasture Mix	25	30 to 40	35 to 45	15 to 20	18 to 22	
Equine Brand Hay & Pasture Mix	25	30 to 40	35 to 45	12 to 18	15 to 20	
Charger Brand Teff Grass (34% coated)	50	8 to 10	10 to 12	4 to 5		

NOW AVAILABLE



JOHN DEERE
FINANCIAL

All Grass Pasture Mix

Widely Adapted

Performance/Management

- All Grass Pasture Mix can be used for pasture, hay production, wildlife habitat or soil conservation plantings
- Components, as a mixture, adapt to a wide range of growing conditions and soil types
- Versatile, economical mixture for season-long production

Mixture Components*

- 20% Optima Brand Orchardgrass—Rapid re-growth after harvest
- 20% Journey Brand Perennial Ryegrass—Forage quality
- 20% Imperial Brand Timothy—Winter hardiness and forage quality
- 20% Forte Brand Tall Fescue—Endophyte-free and durability
- 10% Smooth Bromegrass—Easy to establish and very persistent
- 10% Marquis Brand Festulolium—Summer productivity

Seeding Rate Recommendations

- See chart on page 19

*Components are subject to availability and may change over time

Equine Hay & Pasture Mix

Season Long Grazing

Performance/Management

- Mixture of cool-season grasses formulated for horses on pasture that has the option of harvesting as dry hay
- Includes perennial species that recover quickly after close grazing and other species that contribute to yield and palatability when harvested as hay
- Endophyte-free and does not contain a legume component

Mixture Components*

- 30% Optima Brand Orchardgrass—Rapid re-growth after harvest
- 15% Bardenby Bluegrass—Tolerates close grazing and spreads to fill in open spots
- 15% Imperial Brand Timothy—Early season growth and yield
- 15% Jetta Brand Italian Ryegrass—Quick establishment
- 15% Marquis Brand Festulolium—Summer productivity
- 10% Journey Brand Perennial Ryegrass—Forage quality

Seeding Rate Recommendations

- See chart on page 19

*Components are subject to availability and may change over time

Charger BRAND Teff Grass

Quality Forage Fast

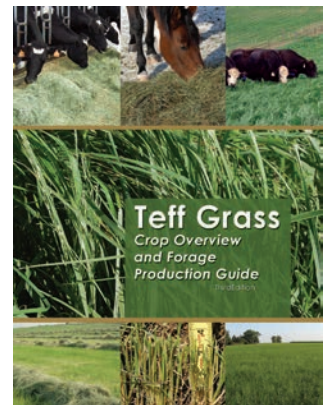
Performance/Management

- Warm-season, summer annual grass that produces multiple crops of high quality and palatable hay for horses, dairy and beef cattle
- Low input crop that is easy to grow

Agronomics	5	4	3	2	1
Yield	●				
Maturity				●	
Palatability	●				
Digestibility	●				
Disease tolerance	●				
Stand density		●			
Winter hardiness					●
Drought tolerance		●			
Grazing adaptability				●	
Fit grass/legume mix					●
Leaf texture	●				

Seeding Rate Recommendations

- See chart on page 19



Download the Guide

To learn more about how to manage teff grass, visit www.alforexseeds.com/products to view and/or download a printable PDF of the Teff Grass Crop Overview and Forage Production Guide.

ALSO AVAILABLE:

Smooth Bromegrass
Climax Timothy

VNS Medium Red Clover

Agronomic and Mixture Ratings:

- 1 = Early or Poor
- 3 = Average
- 5 = Late or Best