

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		•			

Imperial BRAND 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

	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
Imperial Brand Timothy	50	5 to 8	8 to 10	3 to 5	3 to 5	5 to 8

Agronomic and Mixture Ratings:

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

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

Jetta BRAND Italian Ryegrass

**Cover Crop/
Emergency Forage**

Performance/Management

- Cool-season biennial tetraploid for use as a late-summer/early-fall cover crop or as a late-spring planted nurse or forage crop
- Being a biennial tetraploid, 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

	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	●				

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

	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	●				

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
Mercury Brand Annual Ryegrass	25	30 to 35	35 to 40	15 to 20	15 to 20	3 to 5
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
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	
Revive Brand Pasture Mix	25	30 to 40	35 to 45	15 to 20	15 to 20	

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 below

*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 below

*Components are subject to availability and may change over time

Revive Pasture Mix

Boost Yield

Performance/Management

- Mixture of cool season grasses selected for forage quality, season-long productivity, palatability and persistence
- Features perennial grasses that do well when interseeded into worn-out pastures or hay fields to rejuvenate productivity
- Endophyte-free grasses; does not contain a legume component

Mixture Components*

- 30% Optima Brand Orchardgrass—Rapid re-growth
- 30% Forte Brand Tall Fescue—Summer productivity and stockpiling
- 15% Journey Brand Perennial Ryegrass—Quick stand establishment
- 15% Jetta Brand Italian Ryegrass—Quick establishment
- 10% Marquis Brand Festulolium—Summer productivity and forage quality

Seeding Rate Recommendations

- See chart below

*Components are subject to availability and may change over time

ALSO AVAILABLE:

Smooth Bromegrass
Titan Timothy
Climax Timothy

Crimson Clover
VNS Medium Red Clover

NOW AVAILABLE



JOHN DEERE
FINANCIAL

Agronomic and Mixture Ratings:

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

GRASSES & MIXTURES

NEW GRASS

Saltlander Forage Grass Mix

Salt Tolerance

Performance/Management

- Mixture of perennial grasses with salt tolerance for the semi-arid Plains and West with 10 to 18" of annual precipitation
- For season-long pasture, dry hay or dual purpose, as well as conservation practices
- Forage quality comparable to brome and orchardgrass and very palatable to livestock

Mixture Components*

- 60% AC Saltlander Green Wheatgrass
- 40% Forte Brand Tall Fescue

Seeding Rate Recommendations

- See chart below

*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 below

AFX 44 BRAND Red Clover

Superior Persistence

Performance/Management

- Winter-hardy, medium red clover with more late-summer and early-fall growth than other commercial medium red clovers
- Adapted for pasture or hay production across all the Midwest, Ohio Valley, Mid-Atlantic and Northeastern production zones
- Competes well over time with other legumes and grasses in mixtures or in pure stands for hay or pasture

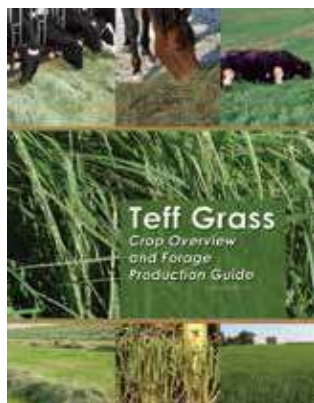
Seeding Rate Recommendations

- See chart below

Pest Package	HR	R	MR	LR	S
Diseases					
Northern anthracnose	●				
Aphanomyces-Race 1	●				
Bacterial wilt	●				
Fusarium wilt	●				
Phytophthora root rot	●				
Powdery mildew		●			
Common crown rot		●			

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
Saltlander Forage Grass Mix (50% coated)	25	15 to 20	20 to 25	15 to 20	20 to 25	
Charger Brand Teff Grass (34% coated)	50	8 to 10	10 to 12	4 to 5		



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.

Agronomic and Mixture Ratings:

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