Grass
Triticale, Spring
X Triticosecale

PLANT HARDINESS ZONE 6 DATASET

COVER CROP DESCRIPTION

A cross between rye and wheat, with characteristics intermediate between the two. High biomass yield potential is similar to wheat and rye. Matures later than rye, a little later than wheat. Plant height at heading is shorter than rye. Therefore, spring residue is easier to manage than rye and (assuming same kill date) C:N ratio will be slightly lower than rye. Triticale feed quality is generally better than rye, but not as good as wheat (i.e. chop triticale for silage at boot stage). Spring triticale varieties do not require vernalization (overwintering) to flower and may be less cold hardy than winter triticale varieties if planted in the fall.


Triticale, Spring - Salon [2020]


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GOALS

Growing Window	Medium
Nitrogen Scavenging	
Lasting Residue	
Prevent Fall Soil Erosion	
Prevent Spring Soil Erosion	
Forage Harvest Value	
Penetrates Plow Pan	
Reduces Surface Compaction	
Improve Soil Organic Matter	
Increase Soil Aggregation	
Good Grazing	
Pollinator Food	

WEEDS

Residue Suppresses Summer Annual Weeds	
Outcompetes Summer Annual Weeds	
Suppresses Winter Annual Weeds	
Persistence	
Volunteer Establishment	

ENVIRONMENTAL TOLERANCES

Low Fertility	
Drought	
Heat	
Shade	
Flood	
Salinity	

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Growth Traits

Duration	Annual
Zone Use	Emerging
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	1000 - 3000
Soil Texture	Coarse Medium Fine
Soil pH	5.5 - 8
Soil Moisture Use	Medium
Hessian Fly Free Date?	No
Ease Of Establishment	
Establishes Quickly	
Early Spring Growth	
Flowering Trigger	
Root Depth	Medium

Soil Drainage

- Very Poorly Drained
- Poorly Drained
- **Somewhat Poorly Drained**
- **Moderately Well Drained**
- **Well Drained**
- **Excessively Drained**
- Saturated Muck
- **Well Drained Muck**

Planting

Seeds Per Lb	12000
Seed Price Per Lb	$ $ $
Base Seeding Rate (Lbs/A)	50 - 120
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	38

Termination

Tillage At Vegetative	
Tillage At Flowering	
Freezing At Vegetative	
Freezing At Flowering	
Chemical At Vegetative	
Chemical At Flowering	
Mow At Flowering	
Roller-Crimp At Flowering	

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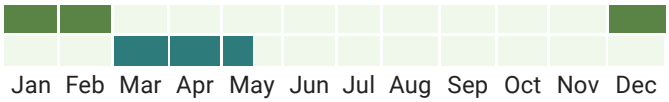
Planting and Growth Windows

Frost Seeding	N/A
Reliable Establishment	03/01 - 05/15
Temperature/Moisture Risk	N/A
Active Growth Period	Winter
Winter Survival	Expected
Can Interseed	N/A



Extended Comments

Basic Agronomics: Dry matter highly dependent on planting and termination date and precipitation.

Weeds: Seed is more expensive than wheat or rye but it makes better animal forage. Can become a weed if not completely terminated; may be difficult to terminate with tillage; best if terminated when plants are small except when rolling/crimping; Mow-kills after heading; Terminate at least 2 weeks before planting corn.

Disease: Information too limited to rate P and K effect and Nematodes or Disease. Non host for soybean cyst nematode and root knot nematode. Bears traffic very well when drilled. Western Kansas studies suggest triticale has some of the best suppression for kochia. Cool season cereals have been some of the best weed suppression cover crops in KS. Information too limited to rate disadvantages to Disease. Seed is more expensive than wheat or rye but it makes better animal forage. Can become a weed if not completely terminated; may be difficult to terminate with tillage; best if terminated when plants are small except when rolling/crimping; Mow-kills after heading; Terminate at least 2 weeks before planting corn. Host for Penetrans Root-Lesion Nematode.

Nematodes: Non host for soybean cyst nematode and root knot nematode. Host for Penetrans Root-Lesion Nematode.

References & Resources

Fall Cover Crops, University of Delaware Cooperative Extension