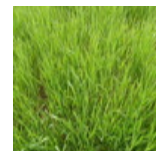


Grass
Triticale, Winter
X Triticosecale



PLANT HARDINESS ZONE 7 DATASET

COVER CROP DESCRIPTION

A cross between rye and wheat, with characteristics intermediate between the two. Fall growth is upright, similar to wheat, so it is slower to provide ground cover and weed suppression than rye. High biomass yield potential is slightly higher than wheat in the fall and similar to 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). Does not easily sustain frost damage. Winter triticale varieties typically require vernalization (overwintering) to flower and may stay short and not produce seed if planted in the spring. 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.

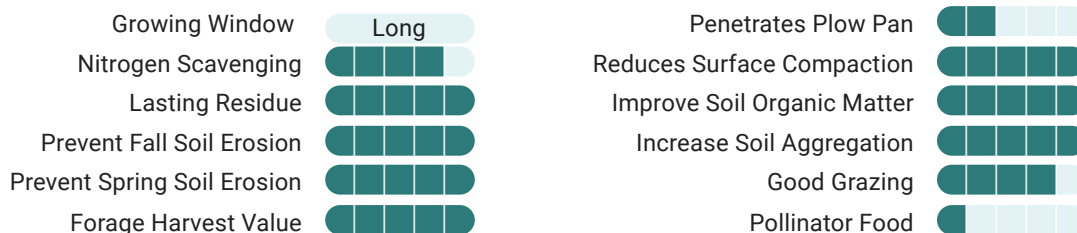


Triticale, Winter - Salon [2020]

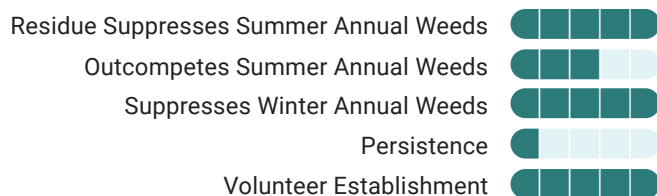


Triticale, Winter - Salon [2020]

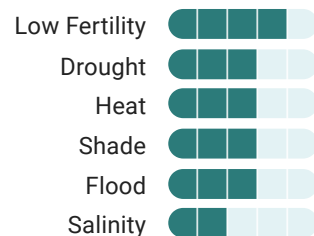
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES



Grass
Triticale, Winter
X Triticosecale

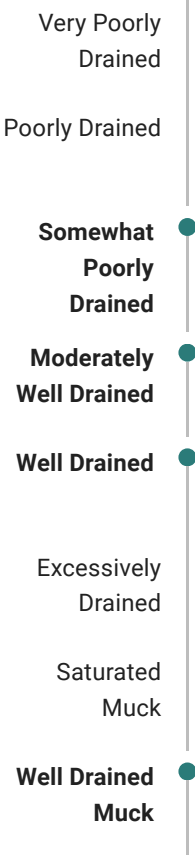


PLANT HARDINESS ZONE 7 DATASET

Growth Traits

Duration	Annual
Zone Use	Common
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	2000 - 5000
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	Vernalization
Root Depth	Medium

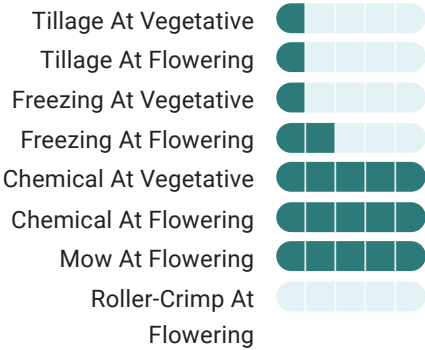
Soil Drainage



Planting

Seeds Per Lb	12000
Seed Price Per Lb	\$ \$ \$
Base Seeding Rate (Lbs/A)	40 - 90
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	Yes
Can Frost Seed?	No
Min Germination Temp (°F)	38

Termination

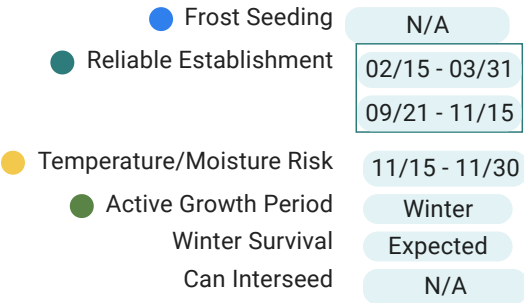


Grass
Triticale, Winter
X Triticosecale



PLANT HARDINESS ZONE 7 DATASET

Planting and Growth Windows



Extended Comments

Termination: Flowering and freezing temps unlikely to co-occur.

Forage and Grazing: Let it go through til May and you get decent silage yields. Not quite as high as fall rye, but spring conditions are typically better for harvest by then (2 weeks after rye is ready). Bloat risk and other animal health risks, similar to brassicas.

Environmental Tolerances: Does very poorly under low-N conditions like most grasses.

References & Resources

Fall Cover Crops, University of Delaware Cooperative Extension
Spring Management of Overwintering Cover Crops – Don't Wait!, Cornell University Cooperative Extension
Wheat and Spelt, Triticale, Cornell University Cooperative Extension