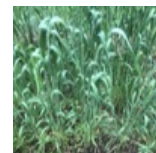


Grass
Wheat, Spring
Triticum aestivum



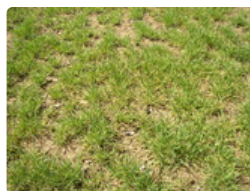
PLANT HARDINESS ZONE 4 DATASET

COVER CROP DESCRIPTION

Common cover crop. Does not need vernalization (overwintering) to flower. Much less likely than winter wheat to overwinter if planted in fall. Very good N scavenger. Excellent quality forage. After well-timed grazings can still produce spring biomass or grain. Not for small grain cash crop rotations (host for same diseases and pests). Fine nurse crop for legumes. Mixes well with winter peas, hairy vetch. Shorter, slower to head means residue easier to manage than rye. Matures later in spring, tolerates wetness better (but not flooding), higher spring biomass potential (but requires high fertility) than barley.

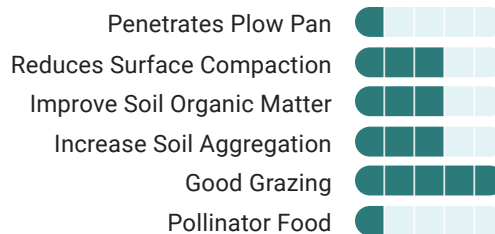


Wheat, Spring - Ackroyd [2020]

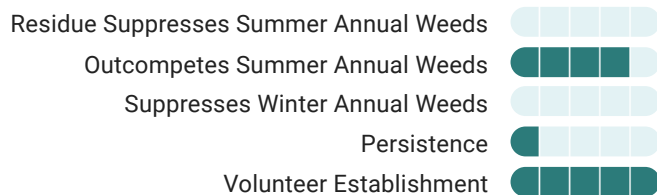


Wheat, Spring - Salon [2020]

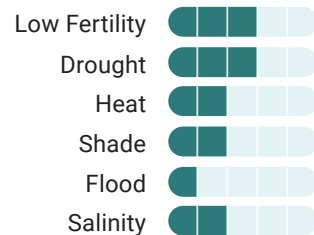
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES



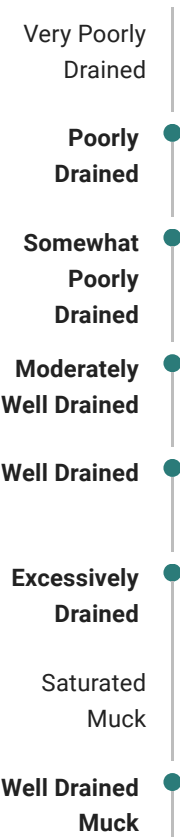


PLANT HARDINESS ZONE 4 DATASET

Growth Traits

Duration	Annual
Zone Use	Common
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	2000 - 5000
Soil Texture	Coarse
	Fine
	Medium
Soil pH	5.5 - 8
Soil Moisture Use	
Hessian Fly Free Date?	No
Ease Of Establishment	
Establishes Quickly	
Early Spring Growth	
Flowering Trigger	Long Day
Root Depth	Medium

Soil Drainage



Planting

Seeds Per Lb	
Seed Price Per Lb	\$ \$ \$
Base Seeding Rate (Lbs/A)	60 - 150
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	38

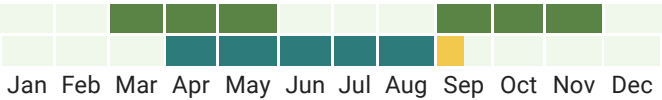
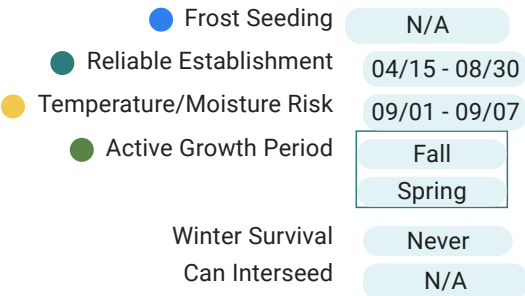
Termination

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	



PLANT HARDINESS ZONE 4 DATASET

Planting and Growth Windows



Extended Comments

Basic Agronomics: Hessian fly free date is a proxy for cereal rust date as well (after which cereal rust is less of a risk).

Weeds: If planted in rotation with other small grains within a year there can be disease problems (especially with tan spot). If alfalfa is to be planted after the small grain, kill small grain volunteer plants with an herbicide.

Disease: May reduce sclerotinia. If planted in rotation with other small grains within a year there can be disease problems (especially with tan spot). If alfalfa is to be planted after the small grain, kill small grain volunteer plants with an herbicide.

Goals: For suppressing winter annuals, must be planted by early fall (early September).

References & Resources