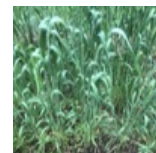


Grass
Wheat, Winter
Triticum aestivum



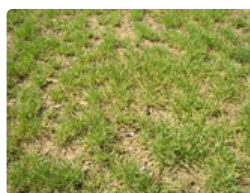
PLANT HARDINESS ZONE 7 DATASET

COVER CROP DESCRIPTION

Common cover crop. Needs vernalization (overwintering) to flower. Not likely to produce seed and will stay shorter if planted in spring. 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 and doesn't compete with legumes as vigorously in spring. Planted later in fall, matures later in spring, tolerates wetness better (but not flooding), higher spring biomass potential (but requires high fertility) than barley.

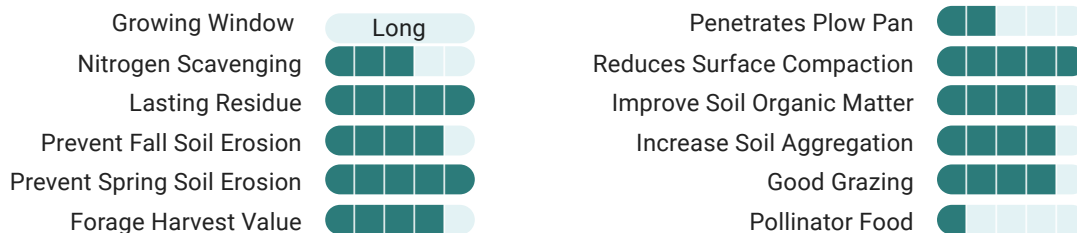


Wheat, Winter - Ackroyd [2020]

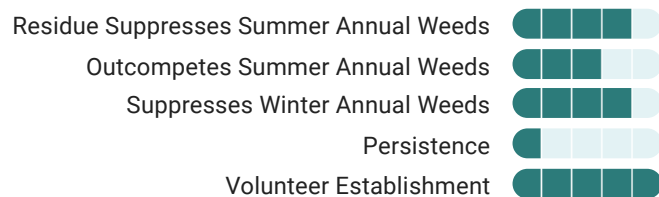


Wheat, Winter - Salon [2020]

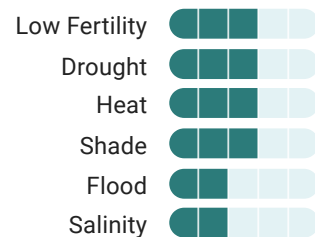
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES



Grass
Wheat, Winter
Triticum aestivum

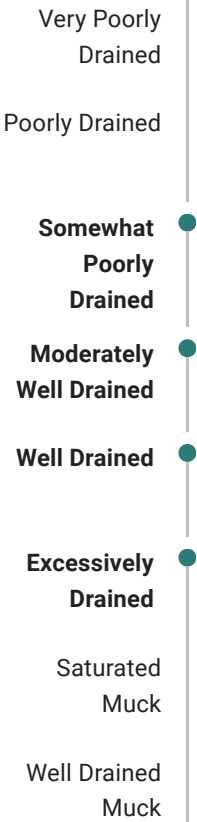


PLANT HARDINESS ZONE 7 DATASET

Growth Traits

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

Soil Drainage



Planting

Seeds Per Lb	11400
Seed Price Per Lb	\$ \$ \$
Base Seeding Rate (Lbs/A)	50 - 90
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	Yes
Can Frost Seed?	No
Min Germination Temp (°F)	38

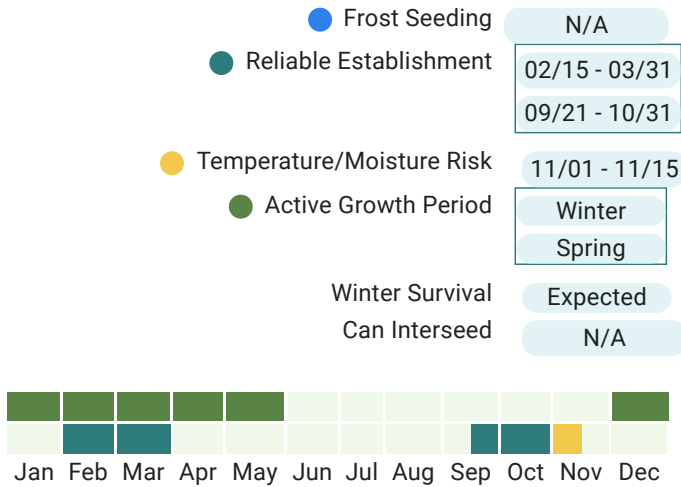
Termination

Tillage At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Tillage At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Chemical At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Chemical At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Mow At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Roller-Crimp At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>



PLANT HARDINESS ZONE 7 DATASET

Planting and Growth Windows



Extended Comments

Growth, Roots, and Nutrients: Spelt-type varieties are more tolerant of poor seed-soil contact because awns hold moisture.

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

Weeds: Absorbs N and H2O heavily during stem growth, so kill before then

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

References & Resources

Fall Cover Crops, University of Delaware Cooperative Extension
Cover Crops and Green Manure Crops – Benefits, Selection, and Use, Rutgers Cooperative Research and Extension
Cover Crops, University of Massachusetts Extension
Choosing Cover Crops, University of Massachusetts Extension
Late Season Cover Crops, University of Massachusetts Extension
Spring Management of Overwintering Cover Crops – Don't Wait!, Cornell University Cooperative Extension
Early Fall Seasonal Cover Crops, Cornell University Cooperative Extension
Suppressing Weeds Using Cover Crops in Pennsylvania, Penn State Extension
Cover Crops in Home Gardens Improve Soil and Reduce Erosion, Penn State Extension