

Grass
Barley, Winter
Hordeum vulgare



PLANT HARDINESS ZONE 7 DATASET

COVER CROP DESCRIPTION

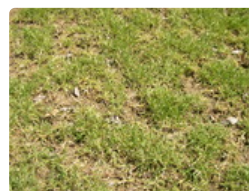
Upright small grain. Widely used in the Northeast. Best small grain for drought, heat, salty, or alkaline soils. Not suitable for wet or acid soils. Winter barley typically needs vernalization (overwintering) to produce stalk/head/seed. May stay short and fail to flower if planted in spring. Quick growth and high biomass if fertility is good. Good weed suppressor, N scavenger, forage producer. Retains feed quality after heading. Good nurse crop for legumes. Use care when including as a cover crop in a small grain rotation (host for some diseases and pests). Bloom timing and height match crimson clover, rapeseed when used in a mix. Planted earlier in fall, matures earlier in spring than wheat. More winter-hardy than oat, less than wheat and rye. Better fall growth and tillers more than wheat and rye but more prone to frost damage.



Barley, Winter - Eagen [2020]

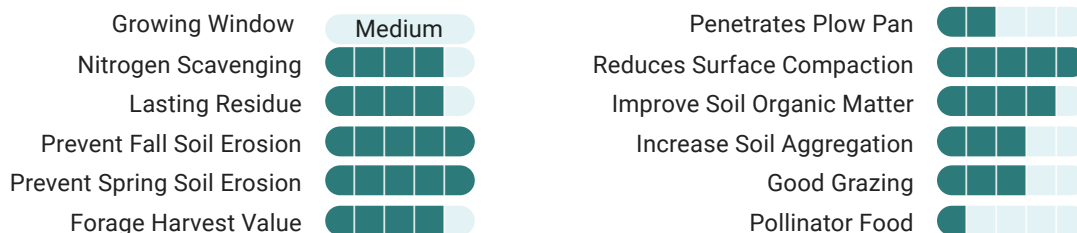


Barley, Winter - Salon [2020]

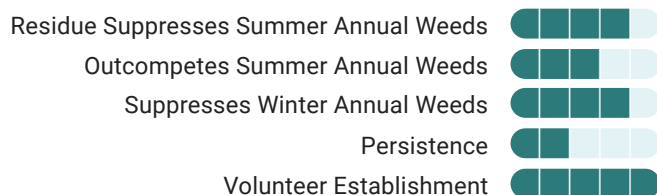


Barley, Winter - Salon [2020]

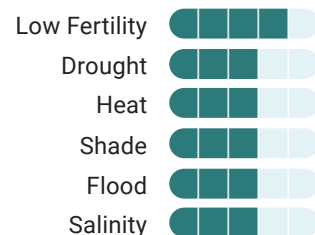
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES



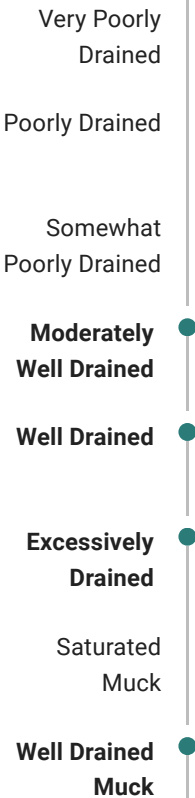


PLANT HARDINESS ZONE 7 DATASET

Growth Traits

Duration	Annual
Zone Use	Common
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	2000 - 5000
Soil Texture	Medium
	Coarse
	Fine
Soil pH	6 - 8.5
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	13600
Seed Price Per Lb	<div><div></div><div></div><div></div></div>
Base Seeding Rate (Lbs/A)	60 - 100
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	Yes
Can Frost Seed?	No
Min Germination Temp (°F)	38

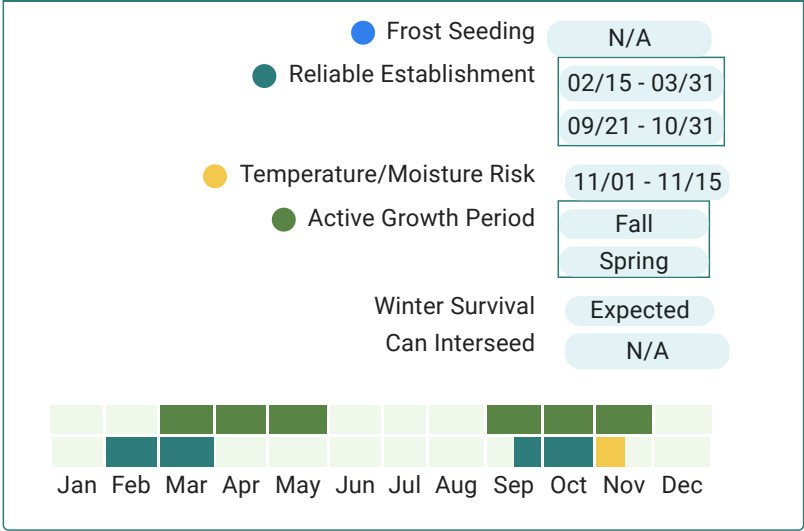
Termination

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

Forage and Grazing: Failure to overwinter reliably in USDA hardiness zones 5 and colder means biomass production may be low, which potentially limits grazing/forage harvest value.

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