

Grass  
**Barley, Spring**  
*Hordeum vulgare*



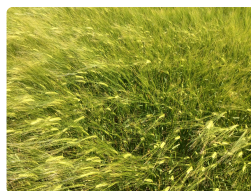
## PLANT HARDINESS ZONE 5 DATASET

### COVER CROP DESCRIPTION

Upright small grain. Widely used in the Northeast. Best small grain for drought, heat, saline or alkaline soils. Not suitable for wet or acid soils. Spring barley does not need vernalization (overwintering) to produce stalk/head/seed. 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 same diseases and pests). Spring barley planted in fall may fail to overwinter due to less winter hardiness than winter barley.

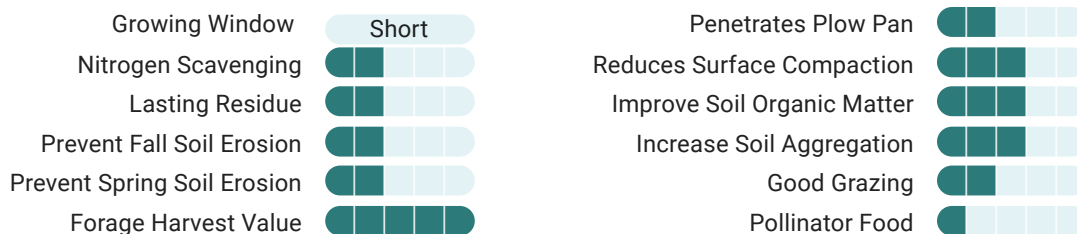


Barley, Spring - Brouillette [2020]

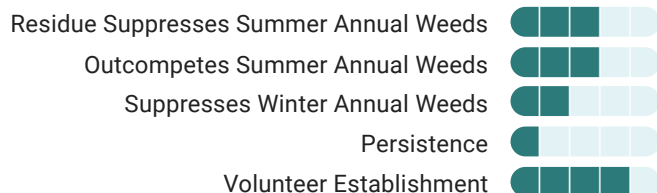


Barley, Spring - Raubenstein [2020]

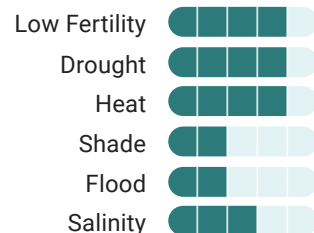
### GOALS



### WEEDS



### ENVIRONMENTAL TOLERANCES



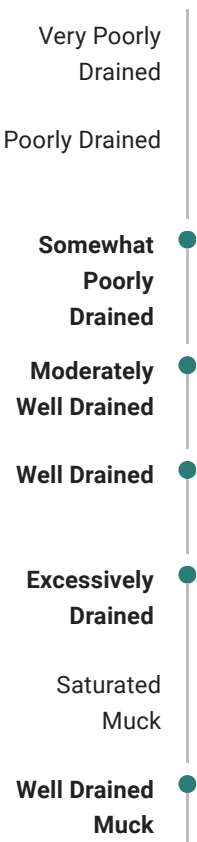


PLANT HARDINESS ZONE 5 DATASET

Growth Traits

Duration	Annual
Zone Use	Common
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	1000 - 3000
Soil Texture	Medium
Soil pH	5 - 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	Long Day
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)	undefined
Drilled Depth	undefined"
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	35

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 5 DATASET

Planting and Growth Windows

Frost Seeding

Reliable Establishment

Temperature/Moisture Risk

Active Growth Period

Winter Survival

Can Interseed

N/A

03/01 - 04/15  
08/15 - 09/01

N/A

Spring  
Summer

Never

N/A

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Extended Comments

**Environmental Tolerances:** Check salinity tolerance for both barleys.

**Basic Agronomics:** Dry matter highly dependent on planting and termination date and precipitation. Tolerates moderately alkaline conditions but does poorly in acid soil < pH 6.0. Bloat potential that is easily managed. Consult herbicide label for herbicides used prior to/during cover crop for grazing restrictions.

**Forage and Grazing:** Bears traffic very well when drilled; more susceptible to heavy traffic when aerially seeded.

**Weeds:** If other small grains are to be planted 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.

References & Resources