#### **GRASS**

## Barley, Winter Hordeum vulgare

This data is based on expert opinion.

100 x 100



Plant Hardiness Zone 7 Dataset



View Photos

#### **COVER CROP DESCRIPTION**

Upright small grain. Widely used in the Northeast. Best small grain for drought, heat, salty or alkaline soils. Not 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 same 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/rye. Better fall growth and tillers more than wheat/rye but more prone to frost damage.

#### **GOALS**

**Growing Window** 

Medium

Penetrates Plow Pan

Nitrogen Scavenging

Lasting Residue

**Reduces Topsoil Compaction** Improve Soil Organic Matter



Prevent Fall Soil Erosion

Increase Soil Aggregation

Supports Mycorrhizae

**ENVIRONMENTAL TOLERANCES** 

Prevent Spring Soil Erosion **Promote Water Quality** 

**Good Grazing** 

Forage Harvest Value

Pollinator Food

#### **WEEDS**

Residue Suppresses Summer Annual

**Outcompetes Summer Annual Weeds** 







Winter Survival Low Fertility Expected

Drought



Shade Flood



Persistence

Volunteer Establishment

Suppresses Winter Annual Weeds





## **BASIC AGRONOMICS**

# **SOIL DRAINAGE**

Duration	Annual
Zone Use	Common
Shape And Orientation	Erect
Active Growth Period	Fall
	Spring
C:N	
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



#### **GROWTH**

# **PLANTING**

Ease Of Establishment	
Establishes Quickly	
Early Spring Growth	
Flowering Trigger	Vernalization
Root Architecture	Fibrous
Root Depth	Medium
Inoculant Type	None

Seeds Per Lb	13600
Seed Price Per Lb	
Base Seeding Rate (Lbs/A)	60 - 100
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	38

## **TERMINATION**

## **PLANTING DATES**

Tillage At Vegetative	
Tillage At Flowering	
Freezing At Vegetative	

Frost Seeding	N/A
Reliable Establishment	09/21 - 11/01
Temperature/Moisture Risk	N/A

Chemical At Flowering
Chemical At Flowering
Mow At Flowering
Roller-Crimp At Flowering