#### **GRASS**

# Oats, Spring Avena sativa

This data is based on expert opinion.





Plant Hardiness Zone 7 Dataset



### **COVER CROP DESCRIPTION**

Least-hardy small grain; does not overwinter. Good weed suppressor, ok N scavenger, high forage quality. Needs good fertility for maximum benefits. Good nurse crop. Good rotation for other small grains - not a host for take-all disease. Select spring types that go to stalk/head/seed without vernalization. Mix with radish, peas. Compared to other small grains: lowest biomass, lower C:N, lower tolerance for dry/wet extremes.







### **GOALS**

**Growing Window** 

Lasting Residue

Short

Penetrates Plow Pan

Nitrogen Scavenging

**Reduces Topsoil Compaction** Improve Soil Organic Matter

Prevent Fall Soil Erosion

Increase Soil Aggregation

Prevent Spring Soil Erosion

Supports Mycorrhizae

**Promote Water Quality** 

Forage Harvest Value

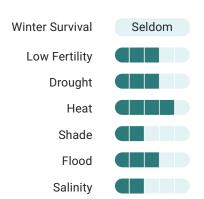
Pollinator Food

**Good Grazing** 

**WEEDS** 

**ENVIRONMENTAL TOLERANCES** 





### **BASIC AGRONOMICS**

## **SOIL DRAINAGE**



## **GROWTH**

## **PLANTING**

Ease Of Establishment		Seeds Per Lb	19400
Establishes Quickly		Seed Price Per Lb	
Early Spring Growth		Base Seeding Rate (Lbs/A)	60 - 100
Flowering Trigger		Drilled Depth	0.75" - 1.5"
Root Architecture	Fibrous	Drined Beptil	0.70 1.0
		Can Aerial Seed?	No
Root Depth	Medium		
		Can Frost Seed?	No
Inoculant Type	None		
		Min Germination Temp (°F)	38

## **TERMINATION**

## **PLANTING DATES**

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

Frost Seeding N/A

Reliable Establishment 03/01 - 05/15

Temperature/Moisture Risk N/A

Can Interseed

N/A