

Grass
Oats, Black
Avena strigosa



PLANT HARDINESS ZONE 6 DATASET

COVER CROP DESCRIPTION

Does not overwinter when fall-seeded. Provides moderate weed suppression and N scavenging, has high forage quality. Needs adequate fertility for maximum benefits. Good nurse crop. Not a host for take-all disease of small grains. 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.



Oats, Black - Schomberg [2020]



Oats, Black - Schomberg [2020]

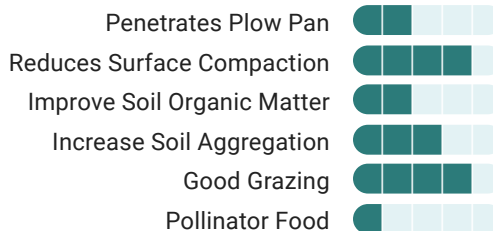


Oats, Black - Schomberg [2020]

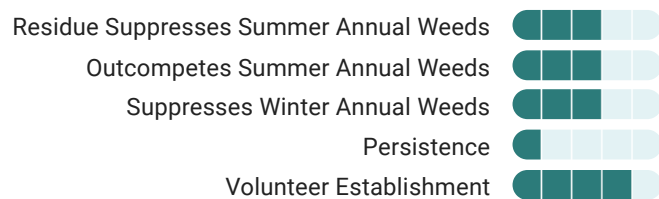


Oats, Black - Eagen [2020]

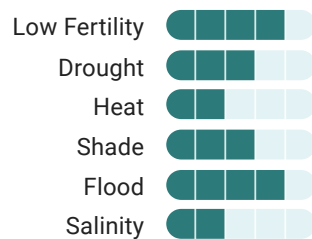
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES



Grass
Oats, Black
Avena strigosa

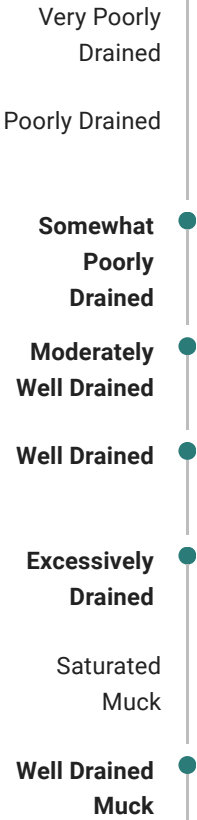


PLANT HARDINESS ZONE 6 DATASET

Growth Traits

Duration	Annual
Zone Use	Emerging
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	200 - 3500
Soil Texture	Coarse
	Medium
	Fine
Soil pH	5 - 7.3
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	
Root Depth	Medium

Soil Drainage



Planting

Seeds Per Lb	19000
Seed Price Per Lb	\$ \$ \$
Base Seeding Rate (Lbs/A)	50 - 100
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	No
Can Frost Seed?	No
Min Germination Temp (°F)	38

Termination

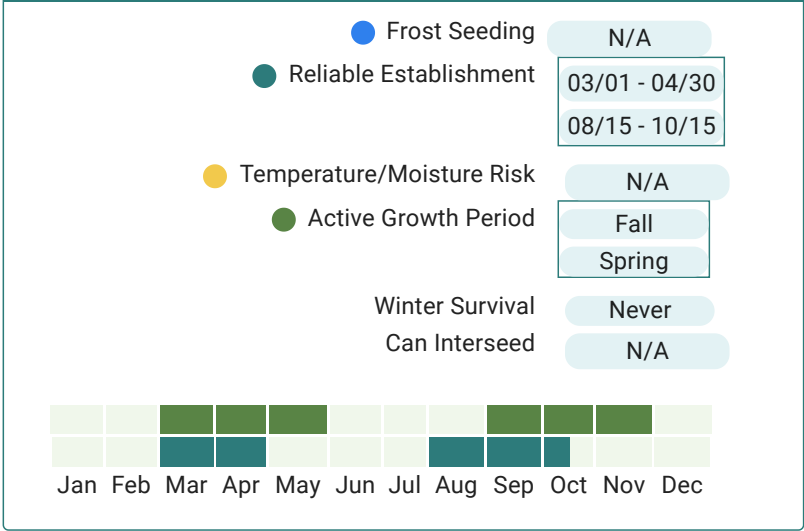
Tillage At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Tillage At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Flowering	<div><div></div><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>

Grass
Oats, Black
Avena strigosa



PLANT HARDINESS ZONE 6 DATASET

Planting and Growth Windows



Extended Comments

Taxonomy: Does it grow in the north?

Basic Agronomics: Used more in the south, some southeastern PA use. Dry matter highly dependent on planting and termination date and precipitation. Prone to lodging in N-rich soil; decomposition depends on maturity at kill. When planted in September will grow faster than rye. If planted early enough (e.g. after peas), it creates a very good lasting residue. Bloat potential that is easily managed. Nitrate testing of forage is recommended.

Weeds: Slow to release N to following crop unless growth terminated in mid-vegetative stage (12-18 in.).

Disease: Information too limited to rate P and K effect and Nematodes or Disease. Tolerates cold temperatures. Information too limited to rate disadvantages to Crop Disease. Tolerates frost and cold temperatures; Slow to release N to following crop unless growth terminated in mid-vegetative stage (12-18 in.). Host for Penetrans Root-Lesion Nematode.

Nematodes: Host for Penetrans Root-Lesion Nematode.

References & Resources

Fall Cover Crops. University of Delaware Cooperative Extension