

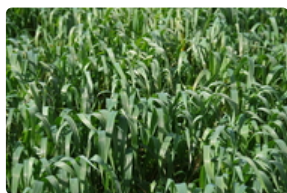
Grass
Oats, Spring
Avena sativa



PLANT HARDINESS ZONE 7 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, Spring - Bjorkman [2020]

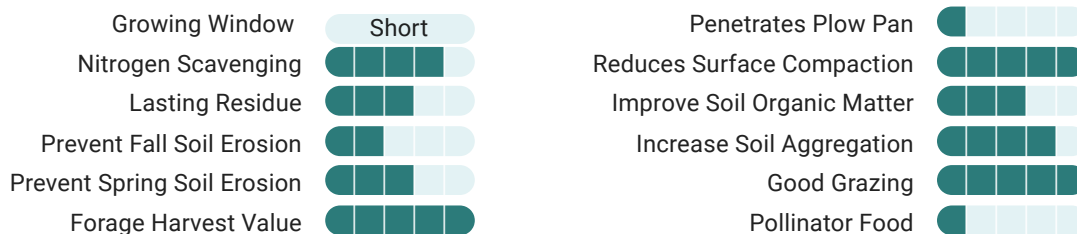


Oats, Spring - Ackroyd [2020]

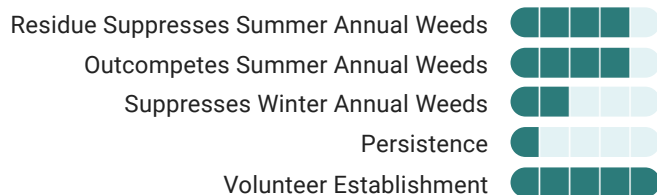


Oats, Spring - Ackroyd [2020]

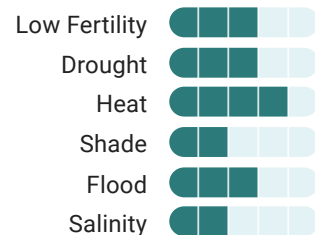
GOALS



WEEDS



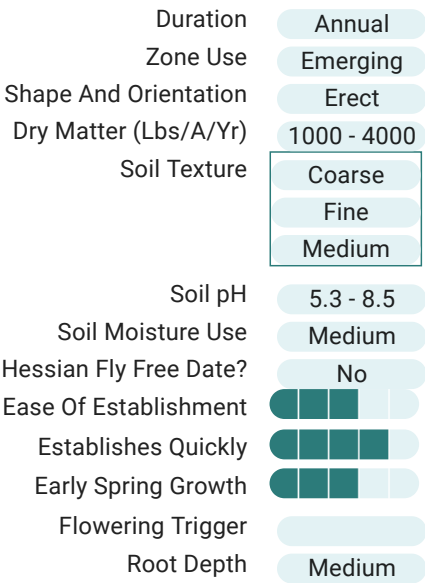
ENVIRONMENTAL TOLERANCES



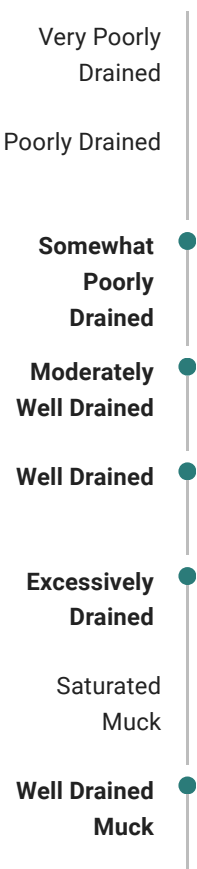


PLANT HARDINESS ZONE 7 DATASET

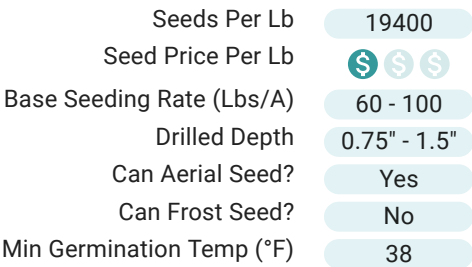
Growth Traits



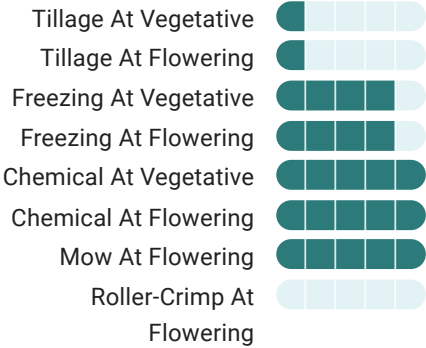
Soil Drainage



Planting



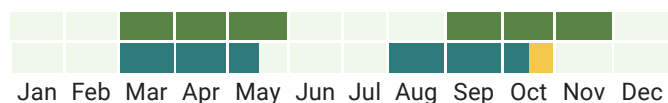
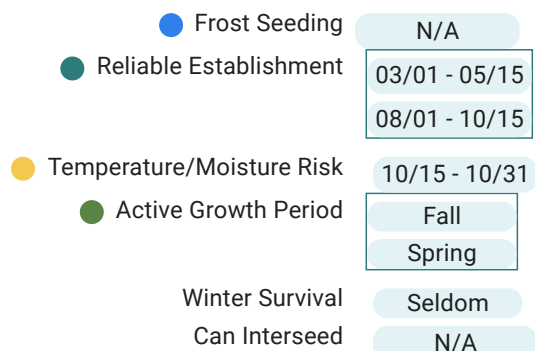
Termination





PLANT HARDINESS ZONE 7 DATASET

Planting and Growth Windows



Extended Comments

Nematodes: Non host for soybean cyst nematode and root knot nematode.

Basic Agronomics: 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.

Insects: Serve as host for various stinkbug species but will also attract their parasitoids

Forage and Grazing: Bears traffic very well when drilled.

Environmental Tolerances: Does very poorly under low-N conditions like most grasses.

References & Resources

Use of Cover Crops and Green Manures to Attract Beneficial Insects, University of Connecticut Integrated Pest Management Program

Multiple Purpose Cover Crops, Northeast Organic Farming Association of Connecticut

Fall Cover Crops, University of Delaware Cooperative Extension

Spring Planted Cover Crops for Vegetable Rotations, University of Delaware Cooperative Extension