

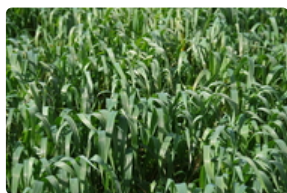
Grass
Oats, Spring
Avena sativa



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]

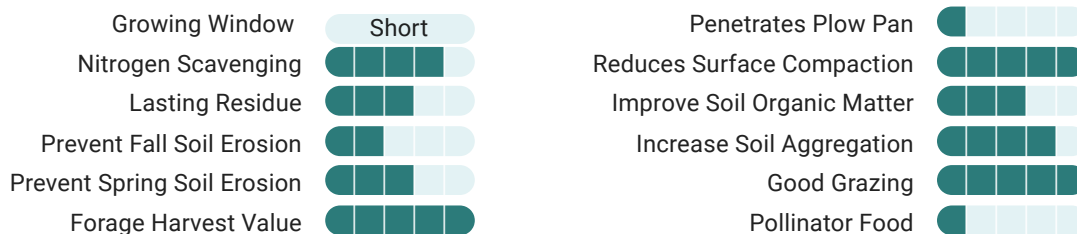


Oats, Spring - Ackroyd [2020]

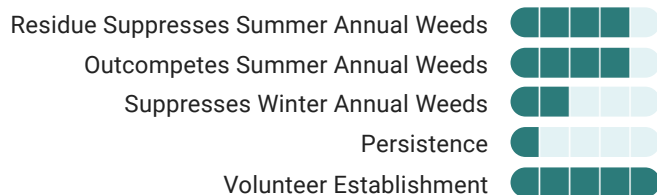


Oats, Spring - Ackroyd [2020]

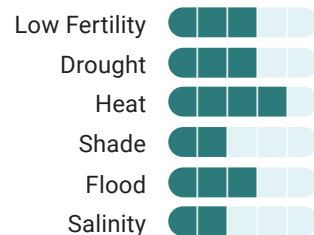
GOALS



WEEDS



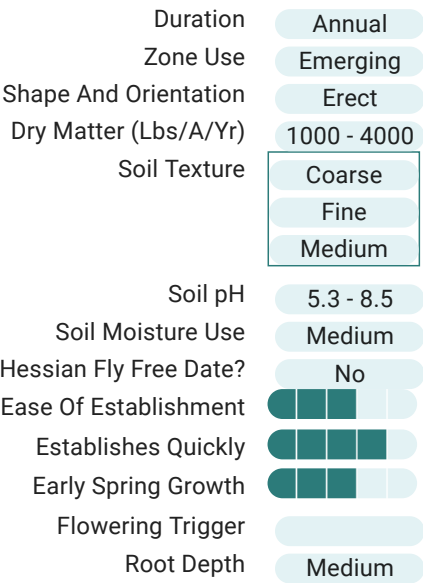
ENVIRONMENTAL TOLERANCES



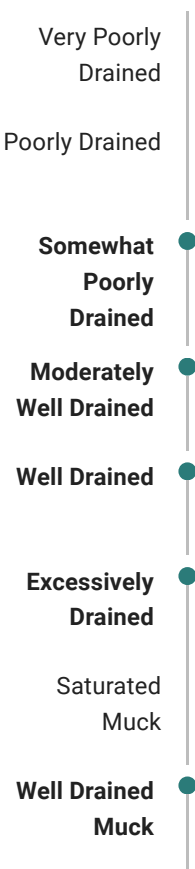


PLANT HARDINESS ZONE 7 DATASET

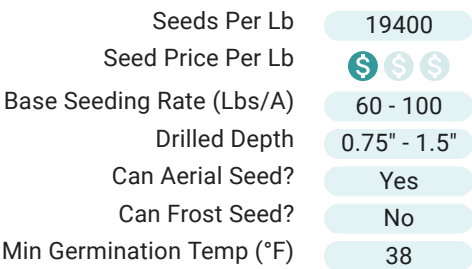
Growth Traits



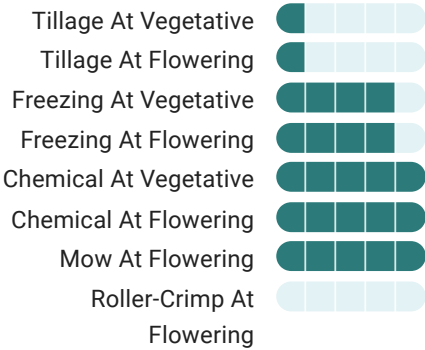
Soil Drainage



Planting

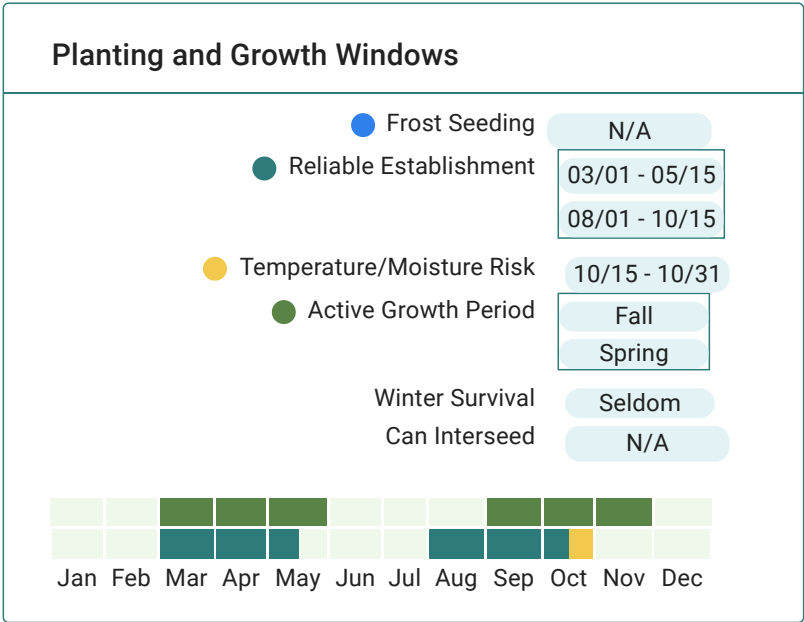


Termination





PLANT HARDINESS ZONE 7 DATASET



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