

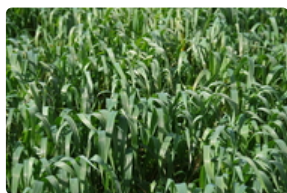
Grass
Oats, Spring
Avena sativa



PLANT HARDINESS ZONE 6 DATASET

COVER CROP DESCRIPTION

Does not overwinter when fall-seeded. Good weed suppressor, ok N scavenger, high forage quality. Needs good fertility for maximum benefits. Good nurse crop. Not a host for take-all disease. Mix with radish, peas. Planted early in fall, but last small grain to mature in spring. Compared to other small grains: lowest biomass, slightly lower C:N, lower tolerance for dry/wet extremes.



Oats, Spring - Bjorkman [2020]

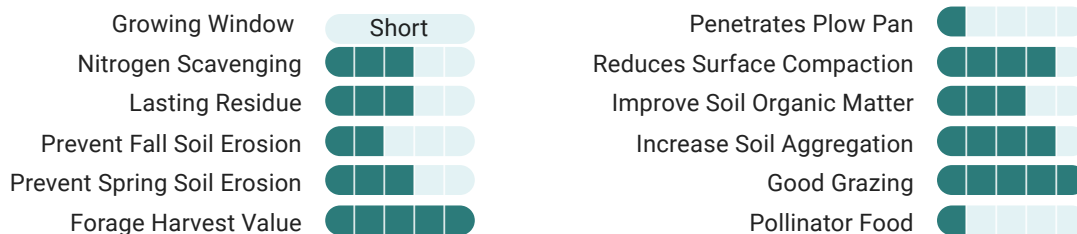


Oats, Spring - Ackroyd [2020]

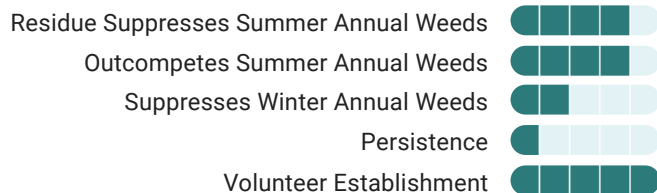


Oats, Spring - Ackroyd [2020]

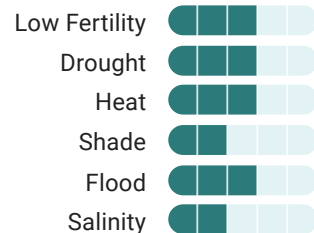
GOALS



WEEDS



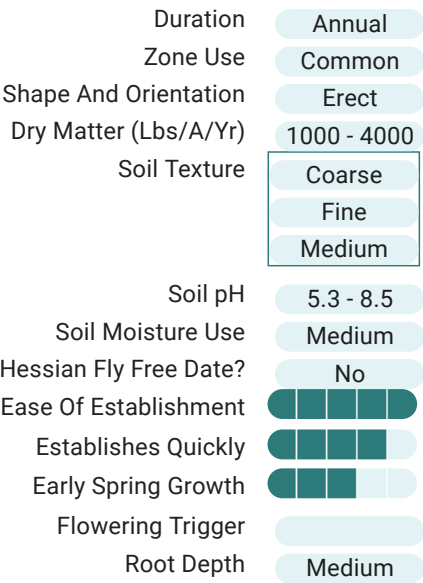
ENVIRONMENTAL TOLERANCES



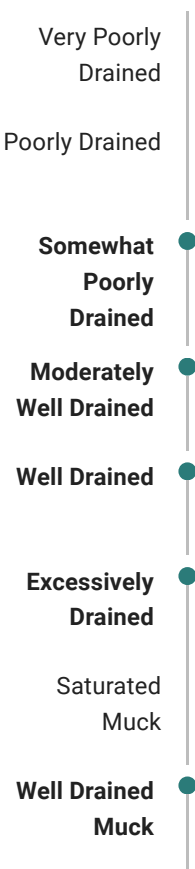


PLANT HARDINESS ZONE 6 DATASET

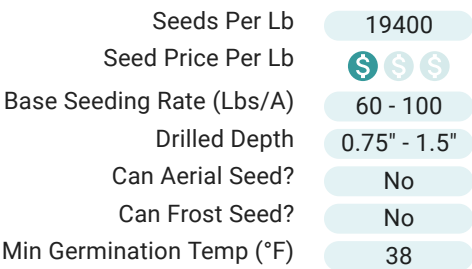
Growth Traits



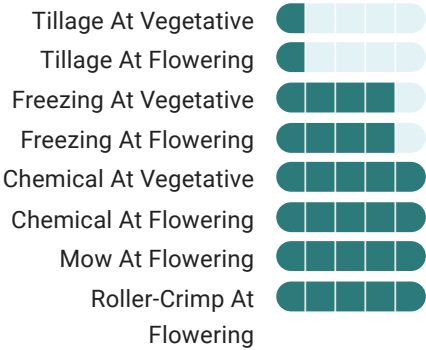
Soil Drainage



Planting



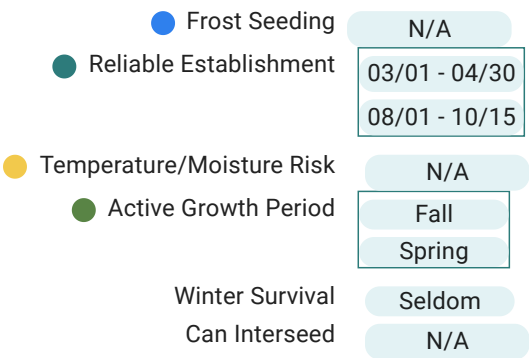
Termination





PLANT HARDINESS ZONE 6 DATASET

Planting and Growth Windows



Extended Comments

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.

Forage and Grazing: Bears traffic very well when drilled.

Disease: Information too limited to rate P and K effect. Cleaned, bin-run seed will suffice; Non host for soybean cyst nematode and root knot nematode. Bears traffic very well when drilled. Some data suggest that oats were less effective at reducing marestalk than barley or cereal rye.

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

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