

Grass  
**Oats**  
*Avena sativa*



## PLANT HARDINESS ZONE 4 DATASET

### COVER CROP DESCRIPTION

Does not overwinter when fall-seeded. When planted in spring or early enough in late summer a good weed suppressor, ok N scavenger, high forage quality and can produce more fall biomass than winter grains. Needs good fertility for maximum benefits. Good nurse crop. Not a host for take-all disease. Mix with radish, peas. Last small grain to mature in spring. Compared to other small grains: lowest overall biomass, slightly lower C:N, lower tolerance for dry/wet extremes.



Oats, Winter - Bjorkman [2020]

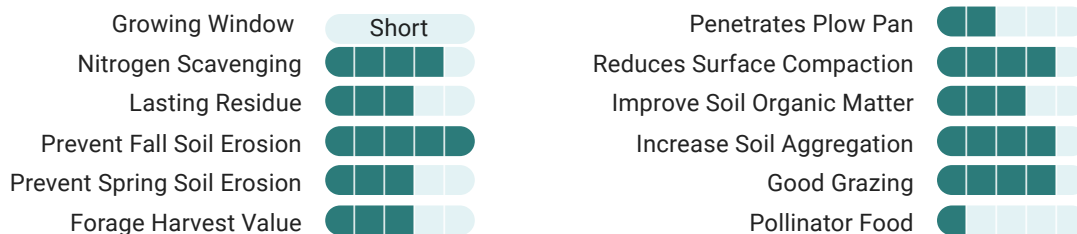


Oats, Winter - Ackroyd [2020]

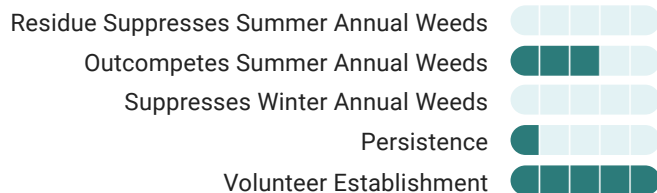


Oats, Winter - Ackroyd [2020]

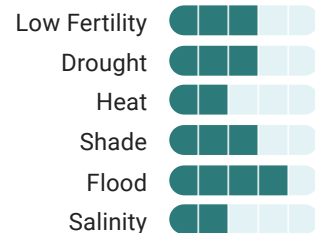
### GOALS



### WEEDS



### ENVIRONMENTAL TOLERANCES

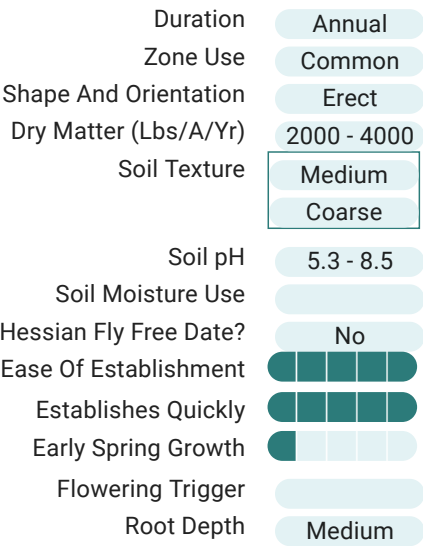


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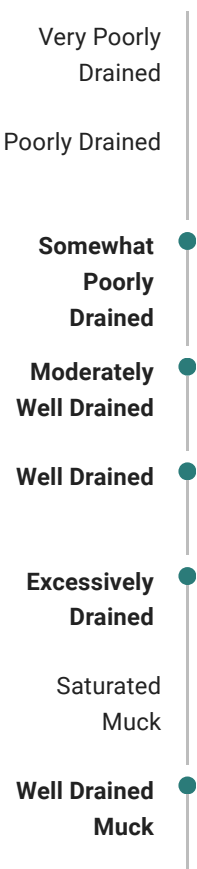


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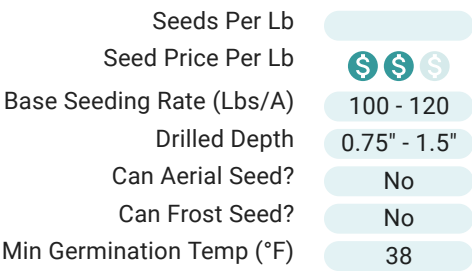
Growth Traits



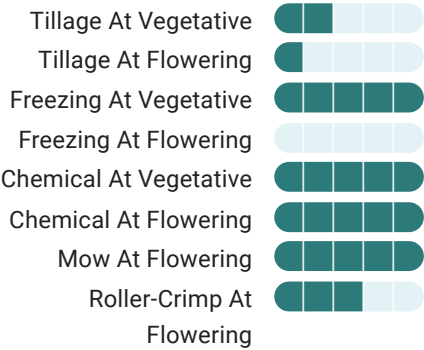
Soil Drainage



Planting



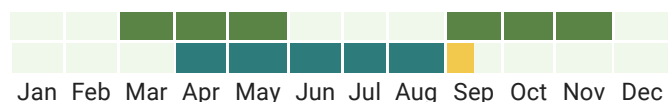
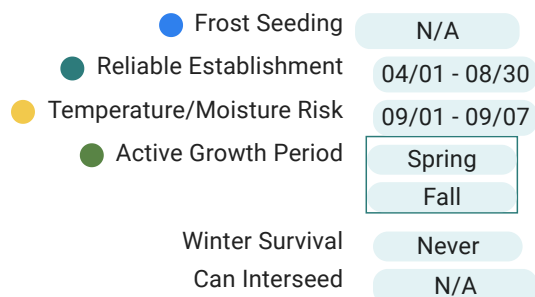
Termination





## PLANT HARDINESS ZONE 4 DATASET

### Planting and Growth Windows



### Extended Comments

**Forage and Grazing:** Grown in southeastern PA as a fall forage or grazing crop.

**Nematodes:** Supports reproduction of some root-knot nematode species/races.

### References & Resources

[Cover Crops and Green Manures](#), University of Vermont Extension  
[2016 Cover Crop Mix in Corn Silage Trial](#), University of Vermont Extension  
[2015 Cover Crop Mix in Corn Silage Trial](#), University of Vermont Extension  
[2014 Summer Cover Crop Mix](#), University of Vermont Extension  
[2014 Early Fall Cover Crop Trial](#), University of Vermont Extension  
[2014 Late Summer Cover Crop Trial](#), University of Vermont Extension  
[Pasture Production of Selected Forage Species](#), University of New Hampshire Cooperative Extension  
[Cover Cropping for Success](#), University of Maine Cooperative Extension  
[Cover Crops for Home Gardens](#), University of Maine Cooperative Extension  
[Using Green Manures](#), Maine Organic Farmers and Gardeners Association  
[Selected Green Manures and Cover Crops for Maine](#), University of Maine  
[Green Manures/Cover Crops](#), Maine Organic Farmers and Gardeners Association  
[Oats](#), Cornell University Cooperative Extension  
[Early Fall Seasonal Cover Crops](#), Cornell University Cooperative Extension