



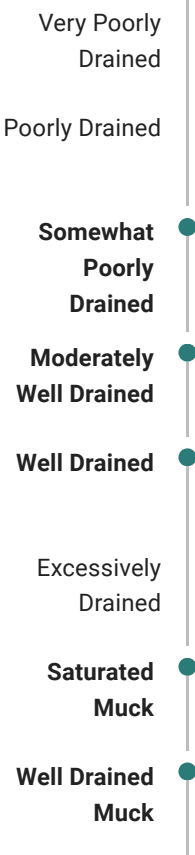


PLANT HARDINESS ZONE 7 DATASET

Growth Traits

Duration	Annual
Zone Use	Common
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	1000 - 8000
Soil Texture	Coarse
	Medium
	Fine
Soil pH	4.5 - 8.2
Soil Moisture Use	High
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	Vernalization
Root Depth	Medium

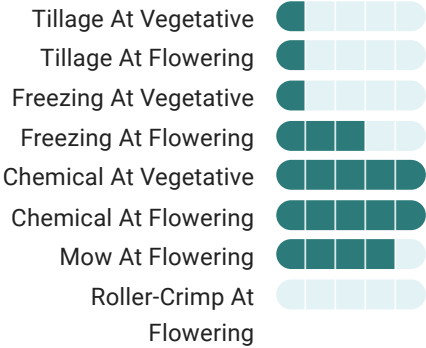
Soil Drainage



Planting

Seeds Per Lb	18200
Seed Price Per Lb	<div><div></div><div></div><div></div></div>
Base Seeding Rate (Lbs/A)	40 - 90
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	Yes
Can Frost Seed?	No
Min Germination Temp (°F)	34

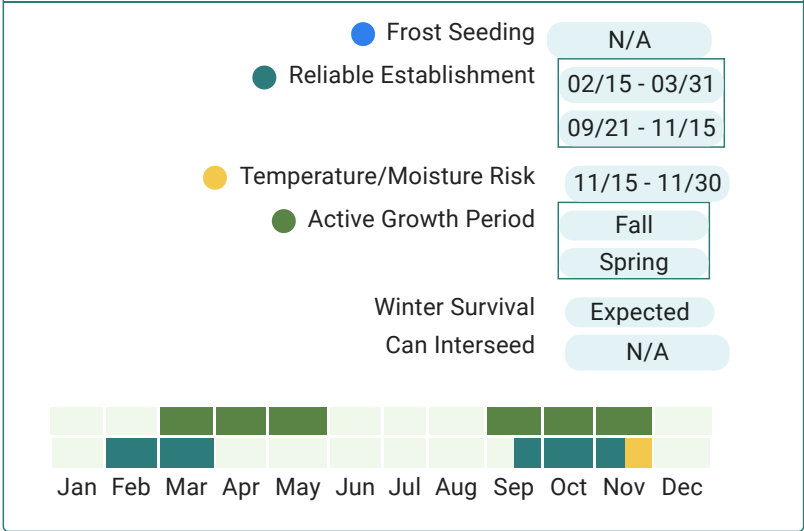
Termination





PLANT HARDINESS ZONE 7 DATASET

Planting and Growth Windows



Extended Comments

**Growth, Roots, and Nutrients:** Deep rooting to recover nitrogen requires earlier planting than plantings for winter erosion protection

**Planting:** If you are planning to use as a killed cover crop mulch for following crop you need to seed at higher rate - up to 150 lbs/acre

**Insects:** Used as an interplanted dying mulch can reduce CPB colonization in eggplant and enhance the ratio of generalist predators to CPB prey

**Weeds:** Can become a weed if tilled at wrong stage; Best if killed early; Not recommended before corn; Mow-kills after heading

**Forage and Grazing:** Can be lightly grazed in the fall and again in the spring, or harvested in the spring as ryelage.

**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

**Cover Crop Research at the University of Rhode Island**, University of Rhode Island Cooperative Extension

**Cover Crops and Green Manure Crops – Benefits, Selection, and Use**, Rutgers Cooperative Research and Extension

**Cover Crops**, University of Massachusetts Extension

**Cover Crops and Green Manures (New England Vegetable Management Guide)**, University of Massachusetts Extension

**Choosing Cover Crops**, University of Massachusetts Extension

**Late Season Cover Crops**, University of Massachusetts Extension

**Plant Cover Crops**, University of Maryland Extension

**Cover Crops – What a Difference a Few Weeks Makes**, Cornell University Cooperative Extension

**Spring Management of Overwintering Cover Crops – Don't Wait!**, Cornell University Cooperative Extension

**Rye**, Cornell University Cooperative Extension

**Early Spring Seasonal Cover Crops**, Cornell University Cooperative Extension

**Early Fall Seasonal Cover Crops**, Cornell University Cooperative Extension

**Fall Seasonal Cover Crops**, Cornell University Cooperative Extension

**Cover Crops for Conservation Tillage Systems**, Penn State Extension

**Suppressing Weeds Using Cover Crops in Pennsylvania**, Penn State Extension

**Plant Cover Crops**, USDA NRCS

**Cover Crops in Home Gardens Improve Soil and Reduce Erosion**, Penn State Extension

**This Isn't Your Father's Cereal Rye**, Penn State Extension

**Planting Green – A New Cover Crop Management Technique**, Penn State Extension

**Cover Crop Rollers for Northeastern Grain Production**, Penn State Extension