



Salinity

Grass

Cereal Rye, Winter

Secale cereale



PLANT HARDINESS ZONE 6 DATASET

Growth Traits

Duration	Annual
Zone Use	Common
Shape And Orientation	Erect
Dry Matter (Lbs/A/Yr)	2500 - 6000
Soil Texture	<div>Coarse</div> <div>Medium</div>
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

Very Poorly Drained	
Poorly Drained	
Somewhat Poorly Drained	<div></div>
Moderately Well Drained	<div></div>
Well Drained	<div></div>
Excessively Drained	
Saturated Muck	<div></div>
Well Drained Muck	<div></div>

Planting

Seeds Per Lb	18200
Seed Price Per Lb	<div>\$</div> <div>\$</div> <div>\$</div>
Base Seeding Rate (Lbs/A)	50 - 120
Drilled Depth	0.75" - 1.5"
Can Aerial Seed?	Yes
Can Frost Seed?	No
Min Germination Temp (°F)	34

Termination

Tillage At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Tillage At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Freezing At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Chemical At Vegetative	<div><div></div><div></div><div></div><div></div><div></div></div>
Chemical At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Mow At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>
Roller-Crimp At Flowering	<div><div></div><div></div><div></div><div></div><div></div></div>

Grass

Cereal Rye, Winter

Secale cereale



PLANT HARDINESS ZONE 6 DATASET

Planting and Growth Windows

● Frost Seeding

N/A

● Reliable Establishment

08/15 - 11/30

● Temperature/Moisture Risk

12/01 - 12/31

● Active Growth Period

Fall

Spring

Winter Survival

Expected

Can Interseed

N/A



Extended Comments

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

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

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

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

Insects: Use as a winter crop and terminated in early or late spring has no impact on arthropods in a subsequent soybean crop

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

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

Pasture Production of Selected Forage Species, University of New Hampshire Cooperative Extension

UNH Researchers Find Forage Radish is the Cream of Cover Crops, University of New Hampshire Ag Experiment Station

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 Cropping for Success, University of Maine Cooperative Extension

Cover Crops for Home Gardens, University of Maine Cooperative Extension

Selected Green Manures and Cover Crops for Maine, University of Maine

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