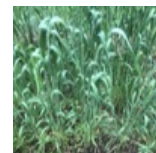


Grass
Wheat, Winter
Triticum aestivum



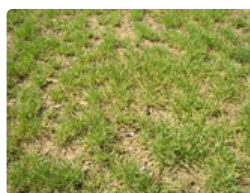
PLANT HARDINESS ZONE 6 DATASET

COVER CROP DESCRIPTION

Common cover crop. Needs vernalization (overwintering) to flower. Not likely to produce seed and will stay shorter if planted in spring. Very good N scavenger. Excellent quality forage. After well-timed grazings can still produce spring biomass or grain. Not for small grain cash crop rotations (host for same diseases and pests). Fine nurse crop for legumes. Mixes well with winter peas, hairy vetch. Shorter, slower to head means residue easier to manage than rye and doesn't compete with legumes as vigorously in spring. Planted later in fall, matures later in spring, tolerates wetness better (but not flooding), higher spring biomass potential (but requires high fertility) than barley.

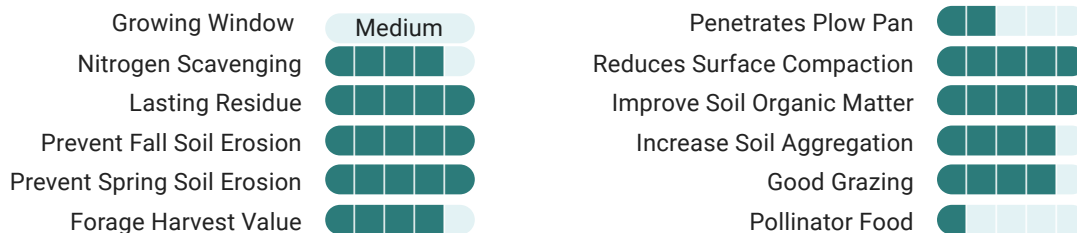


Wheat, Winter - Ackroyd [2020]

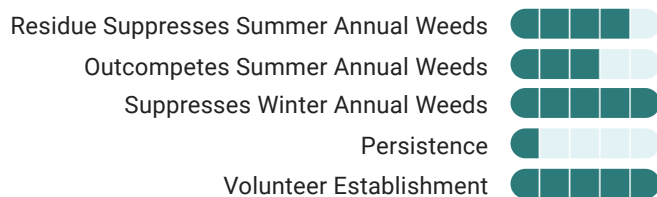


Wheat, Winter - Salon [2020]

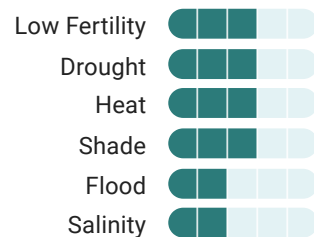
GOALS



WEEDS



ENVIRONMENTAL TOLERANCES



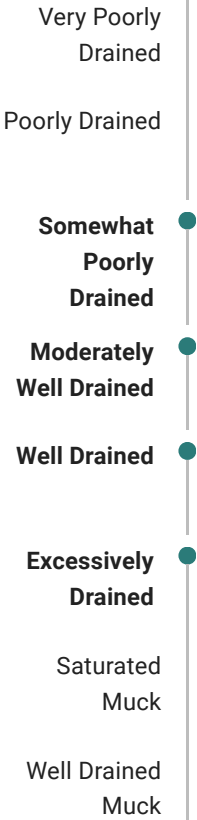


PLANT HARDINESS ZONE 6 DATASET

Growth Traits

| | |
|------------------------|--|
| Duration | Annual |
| Zone Use | Common |
| Shape And Orientation | Erect |
| Dry Matter (Lbs/A/Yr) | 2000 - 5000 |
| Soil Texture | Coarse |
| | Fine |
| | Medium |
| Soil pH | 5.5 - 8 |
| Soil Moisture Use | Low |
| 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



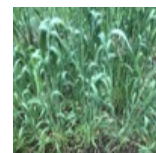
Planting

| | |
|---------------------------|--------------|
| Seeds Per Lb | 11400 |
| Seed Price Per Lb | \$ \$ \$ |
| Base Seeding Rate (Lbs/A) | 50 - 120 |
| Drilled Depth | 0.75" - 1.5" |
| Can Aerial Seed? | No |
| Can Frost Seed? | No |
| Min Germination Temp (°F) | 38 |

Termination

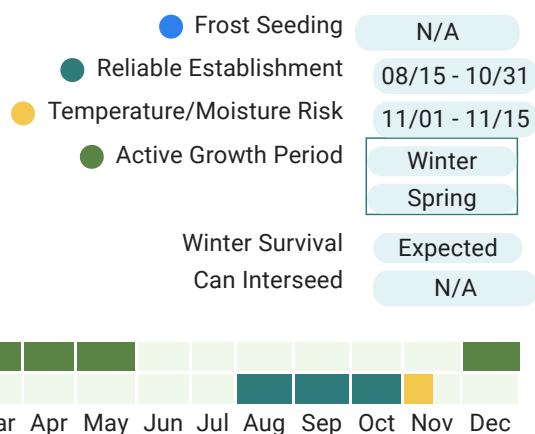
| | |
|---------------------------|--|
| Tillage At Vegetative | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Tillage At Flowering | <div><div></div><div></div><div></div><div></div><div></div></div> |
| Freezing At Vegetative | <div><div></div><div></div><div></div><div></div><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
Wheat, Winter
Triticum aestivum



PLANT HARDINESS ZONE 6 DATASET

Planting and Growth Windows



Extended Comments

Termination: Flowering and freezing temps unlikely to co-occur.

Growth, Roots, and Nutrients: Spelt-type varieties are more tolerant of poor seed-soil contact because awns hold moisture.

Weeds: Absorbs N and H2O heavily during stem growth, so kill before then

Disease: Absorbs N and H2O heavily during stem growth, so kill before then

References & Resources

Fall Cover Crops, University of Delaware 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

Cover Crops, University of Massachusetts Extension

Choosing Cover Crops, University of Massachusetts Extension

Late Season Cover Crops, University of Massachusetts Extension

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

Early Fall Seasonal Cover Crops, Cornell University Cooperative Extension

Suppressing Weeds Using Cover Crops in Pennsylvania, Penn State Extension

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