



Characteristics

Conservation Plant Characteristics

***Secale cereale* L.**
cereal rye
SECE

Summary

| | | |
|---------------|-----------|----------------------------|
| Duration | Annual | Federal T/E Status |
| Growth Habit | Graminoid | National Wetland Indicator |
| Native Status | | |

Morphology/Physiology

| | | | |
|-----------------------------|----------------------|-----------------------------|-------|
| Active Growth Period | Spring, Summer, Fall | Fruit/Seed Conspicuous | No |
| After Harvest Regrowth Rate | Slow | Growth Form | Bunch |
| Bloat | None | Growth Rate | Rapid |
| C:N Ratio | Medium | Height at Base Age, Maximum | |
| Coppice Potential | No | Height at Maturity | 3.5 |
| Fall Conspicuous | No | Known Allelopath | Yes |
| Fire Resistant | No | Leaf Retention | No |
| Flower Color | Yellow | Lifespan | Short |
| Flower Conspicuous | No | Low Growing Grass | No |
| Foliage Color | Green | Nitrogen Fixation | |
| Foliage Porosity Summer | Moderate | Resprout Ability | No |
| Foliage Porosity Winter | Moderate | Shape and Orientation | Erect |
| Foliage Texture | Fine | Toxicity | None |
| Fruit/Seed Color | Brown | | |

Growth Requirements

| | | | |
|----------------------------------|--------|------------------------------------|------------|
| Adapted To Coarse Textured Soils | Yes | Moisture Use | High |
| Adapted To Medium Textured Soils | Yes | pH, Minimum | 5.2 |
| Adapted To Fine Textured Soils | No | pH, Maximum | 8 |
| Anaerobic Tolerance | None | Planting Density Per Acre, Minimum | |
| CaCO ₃ Tolerance | Medium | Planting Density Per Acre, Maximum | |
| Cold Stratification Required | No | Precipitation, Minimum | 8 |
| Drought Tolerance | Medium | Precipitation, Maximum | 50 |
| Fertility Requirement | Medium | Root Depth, Minimum | 8 |
| Fire Tolerance | None | Salinity Tolerance | High |
| Frost Free Days, Minimum | 110 | Shade Tolerance | Intolerant |

| | | |
|-----------------|---------------------------|-----|
| Hedge Tolerance | Temperature, Minimum (°F) | -33 |
|-----------------|---------------------------|-----|

Reproduction

| | | | |
|-------------------------|---------------------|------------------------|--------|
| Bloom Period | Early Spring | Propagated By Cuttings | No |
| Commercial Availability | Routinely Available | Propagated By Seed | Yes |
| Fruit/Seed Abundance | High | Propagated By Sod | No |
| Fruit/Seed Period Begin | Spring | Propagated By Sprigs | No |
| Fruit/Seed Period End | Summer | Propagated By Tubers | No |
| Fruit/Seed Persistence | No | Seed Per Pound | 18160 |
| Propagated By Bare Root | No | Seed Spread Rate | Slow |
| Propagated By Bulbs | No | Seedling Vigor | Medium |
| Propagated By Container | No | Small Grain | Yes |
| Propagated By Corms | No | Vegetative Spread Rate | None |

Suitability/Use

| | | | |
|------------------------|------|-------------------------|--------|
| Berry/Nut/Seed Product | No | Palatable Browse Animal | High |
| Christmas Tree Product | No | Palatable Graze Animal | High |
| Fodder Product | Yes | Palatable Human | Yes |
| Fuelwood Product | None | Post Product | No |
| Lumber Product | No | Protein Potential | Medium |
| Naval Store Product | No | Pulpwood Product | No |
| Nursery Stock Product | No | Veneer Product | No |

Secale cereale* L.*cereal rye****SECE****Cultivar: Aroostook****Summary**

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Morphology/Physiology

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| Adapted To Coarse Textured Soils | Yes | Moisture Use | High |
| Adapted To Medium Textured Soils | Yes | pH, Minimum | 5.2 |
| Adapted To Fine Textured Soils | No | pH, Maximum | 7.5 |
| Anaerobic Tolerance | None | Planting Density Per Acre, Minimum | |
| CaCO3 Tolerance | Medium | Planting Density Per Acre, Maximum | |
| Cold Stratification Required | No | Precipitation, Minimum | 15 |
| Drought Tolerance | Medium | Precipitation, Maximum | 50 |
| Fertility Requirement | Medium | Root Depth, Minimum | 8 |
| Fire Tolerance | Medium | Salinity Tolerance | High |
| Frost Free Days, Minimum | 90 | Shade Tolerance | Intolerant |
| Hedge Tolerance | | Temperature, Minimum (°F) | -43 |

Reproduction

| | | | |
|-------------------------|---------------------|------------------------|-------|
| Bloom Period | Early Spring | Propagated By Cuttings | No |
| Commercial Availability | Routinely Available | Propagated By Seed | Yes |
| Fruit/Seed Abundance | High | Propagated By Sod | No |
| Fruit/Seed Period Begin | Spring | Propagated By Sprigs | No |
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| Propagated By Bare Root | No | Seed Spread Rate | Slow |
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| Propagated By Container | No | Small Grain | Yes |
| Propagated By Corms | No | Vegetative Spread Rate | None |

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|------------------------|------|-------------------------|--------|
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| Christmas Tree Product | No | Palatable Graze Animal | High |
| Fodder Product | Yes | Palatable Human | Yes |
| Fuelwood Product | None | Post Product | No |
| Lumber Product | No | Protein Potential | Medium |
| Naval Store Product | No | Pulpwood Product | No |
| Nursery Stock Product | No | Veneer Product | No |

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