



Characteristics

Conservation Plant Characteristics

Phalaris arundinacea L.
reed canarygrass
PHAR3

Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	FACW, OBL
U.S. Nativity			

Morphology/Physiology

Active Growth Period	Spring, Summer, Fall	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
Bloat	None	Growth Rate	Rapid
C:N Ratio	Medium	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	5
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Long
Flower Conspicuous	No	Low Growing Grass	Yes
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Moderate	Shape and Orientation	Erect
Foliage Texture	Coarse	Toxicity	Slight
Fruit/Seed Color	Black		

Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	High
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.5
Adapted To Fine Textured Soils	Yes	pH, Maximum	8
Anaerobic Tolerance	High	Planting Density Per Acre, Minimum	2700
CaCO ₃ Tolerance	Medium	Planting Density Per Acre, Maximum	4800
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Low	Precipitation, Maximum	65
Fertility Requirement	High	Root Depth, Minimum	14
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	120	Shade Tolerance	Intolerant

Hedge Tolerance	None	Temperature, Minimum (°F)	-38
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Reproduction

Bloom Period	Late Spring	Propagated By Cuttings	No
Commercial Availability	Routinely Available	Propagated By Seed	Yes
Fruit/Seed Abundance	Medium	Propagated By Sod	No
Fruit/Seed Period Begin	Spring	Propagated By Sprigs	Yes
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	537920
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	Low
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	Rapid

Suitability/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	Low
Christmas Tree Product	No	Palatable Graze Animal	Medium
Fodder Product	Yes	Palatable Human	No
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

Phalaris arundinacea L.
reed canarygrass
PHAR3
Cultivar: Auburn

Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	FACW, OBL
U.S. Nativity			

Morphology/Physiology

Active Growth Period	Spring, Summer, Fall	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
Bloat	None	Growth Rate	Rapid
C:N Ratio	Medium	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	5
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Long

Flower Conspicuous	No	Low Growing Grass	Yes
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Moderate	Shape and Orientation	Erect
Foliage Texture	Coarse	Toxicity	Slight
Fruit/Seed Color	Black		

Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	High
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.5
Adapted To Fine Textured Soils	Yes	pH, Maximum	8
Anaerobic Tolerance	High	Planting Density Per Acre, Minimum	2700
CaCO3 Tolerance	Medium	Planting Density Per Acre, Maximum	4800
Cold Stratification Required	No	Precipitation, Minimum	35
Drought Tolerance	Low	Precipitation, Maximum	65
Fertility Requirement	High	Root Depth, Minimum	14
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	160	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-33

Reproduction

Bloom Period	Late Spring	Propagated By Cuttings	No
Commercial Availability	Routinely Available	Propagated By Seed	Yes
Fruit/Seed Abundance	Medium	Propagated By Sod	No
Fruit/Seed Period Begin	Spring	Propagated By Sprigs	Yes
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	537920
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	Low
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	Rapid

Suitability/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	Low
Christmas Tree Product	No	Palatable Graze Animal	Medium
Fodder Product	Yes	Palatable Human	No
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

***Phalaris arundinacea* L.**

reed canarygrass**PHAR3****Cultivar: loreed****Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	FACW, OBL
U.S. Nativity			

Morphology/Physiology

Active Growth Period	Spring, Summer, Fall	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
Bloat	None	Growth Rate	Rapid
C:N Ratio	Medium	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	6
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Long
Flower Conspicuous	No	Low Growing Grass	Yes
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Coarse	Toxicity	Slight
Fruit/Seed Color	Brown		

Growth Requirements

Adapted To Coarse Textured Soils	Yes	Moisture Use	High
Adapted To Medium Textured Soils	Yes	pH, Minimum	4.9
Adapted To Fine Textured Soils	Yes	pH, Maximum	8.2
Anaerobic Tolerance	High	Planting Density Per Acre, Minimum	2700
CaCO3 Tolerance	Medium	Planting Density Per Acre, Maximum	4800
Cold Stratification Required	No	Precipitation, Minimum	32
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	High	Root Depth, Minimum	14
Fire Tolerance	Medium	Salinity Tolerance	Medium
Frost Free Days, Minimum	120	Shade Tolerance	Intolerant
Hedge Tolerance		Temperature, Minimum (°F)	-33

Reproduction

Bloom Period	Late Spring	Propagated By Cuttings	No
Commercial Availability	Routinely Available	Propagated By Seed	Yes
Fruit/Seed Abundance	Low	Propagated By Sod	No
Fruit/Seed Period Begin	Summer	Propagated By Sprigs	Yes

Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	537920
Propagated By Bare Root	No	Seed Spread Rate	Moderate
Propagated By Bulbs	No	Seedling Vigor	Medium
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	Rapid

Suitability/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	Low
Christmas Tree Product	No	Palatable Graze Animal	Medium
Fodder Product	Yes	Palatable Human	No
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

***Phalaris arundinacea* L.**
reed canarygrass
PHAR3
Cultivar: Palaton

Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	FACW, OBL
U.S. Nativity			

Morphology/Physiology

Active Growth Period	Spring, Summer, Fall	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
Bloat	None	Growth Rate	Rapid
C:N Ratio	Medium	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	6
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Long
Flower Conspicuous	No	Low Growing Grass	Yes
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Coarse	Toxicity	Slight
Fruit/Seed Color	Brown		

Growth Requirements

Adapted To Coarse Textured Soils	Yes	Moisture Use	High
Adapted To Medium Textured Soils	Yes	pH, Minimum	4.9
Adapted To Fine Textured Soils	Yes	pH, Maximum	8.2
Anaerobic Tolerance	High	Planting Density Per Acre, Minimum	2700
CaCO3 Tolerance	Medium	Planting Density Per Acre, Maximum	4800
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	High	Root Depth, Minimum	14
Fire Tolerance	Medium	Salinity Tolerance	Medium
Frost Free Days, Minimum	100	Shade Tolerance	Intolerant
Hedge Tolerance		Temperature, Minimum (°F)	-33

Reproduction

Bloom Period	Late Spring	Propagated By Cuttings	No
Commercial Availability	Routinely Available	Propagated By Seed	Yes
Fruit/Seed Abundance	Medium	Propagated By Sod	No
Fruit/Seed Period Begin	Summer	Propagated By Sprigs	Yes
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	537920
Propagated By Bare Root	No	Seed Spread Rate	Rapid
Propagated By Bulbs	No	Seedling Vigor	Medium
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	Rapid

Suitability/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	Medium
Christmas Tree Product	No	Palatable Graze Animal	High
Fodder Product	Yes	Palatable Human	No
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

***Phalaris arundinacea* L.**
reed canarygrass
PHAR3
Cultivar: Vantage

Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	FACW, OBL

U.S. Nativity

Morphology/Physiology

Active Growth Period	Spring, Summer, Fall	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
Bloat	None	Growth Rate	Rapid
C:N Ratio	Medium	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	6
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Long
Flower Conspicuous	No	Low Growing Grass	Yes
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Coarse	Toxicity	Slight
Fruit/Seed Color	Brown		

Growth Requirements

Adapted To Coarse Textured Soils	Yes	Moisture Use	High
Adapted To Medium Textured Soils	Yes	pH, Minimum	4.9
Adapted To Fine Textured Soils	Yes	pH, Maximum	8.2
Anaerobic Tolerance	High	Planting Density Per Acre, Minimum	2700
CaCO3 Tolerance	Medium	Planting Density Per Acre, Maximum	4800
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	High	Root Depth, Minimum	14
Fire Tolerance	Medium	Salinity Tolerance	Medium
Frost Free Days, Minimum	120	Shade Tolerance	Intolerant
Hedge Tolerance		Temperature, Minimum (°F)	-32

Reproduction

Bloom Period	Late Spring	Propagated By Cuttings	No
Commercial Availability	Routinely Available	Propagated By Seed	Yes
Fruit/Seed Abundance	Medium	Propagated By Sod	No
Fruit/Seed Period Begin	Summer	Propagated By Sprigs	Yes
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	537920
Propagated By Bare Root	No	Seed Spread Rate	Rapid
Propagated By Bulbs	No	Seedling Vigor	Medium
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	Rapid

Suitibility/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	Low
Christmas Tree Product	No	Palatable Graze Animal	Medium
Fodder Product	Yes	Palatable Human	No
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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