



## Characteristics

### Conservation Plant Characteristics

*Dactylis glomerata* L.  
orchardgrass  
DAGL

#### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

#### Morphology/Physiology

Active Growth Period	Spring and Fall	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	3
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Fine	Toxicity	None
Fruit/Seed Color	Brown		

#### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	No	pH, Maximum	7.5
Anaerobic Tolerance	Low	Planting Density Per Acre, Minimum	
CaCO <sub>3</sub> Tolerance	Low	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	32
Drought Tolerance	Medium	Precipitation, Maximum	65
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	120	Shade Tolerance	Tolerant

Hedge Tolerance	None	Temperature, Minimum (°F)	-33
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**Reproduction**

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Able**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate

Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

**Growth Requirements**

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.5
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO <sub>3</sub> Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	145	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	-43

**Reproduction**

Bloom Period	Late 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	Summer	Propagated By Sprigs	No
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**

**orchardgrass**  
**DAGL**  
**Cultivar: Akaroa**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

Active Growth Period	Fall, Winter and Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Low
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.7
Adapted To Fine Textured Soils	Yes	pH, Maximum	8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	16
Drought Tolerance	High	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	180	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	7

### 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**  
**orchardgrass**

**DAGL**

**Cultivar: Ambassador**

**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

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

Fruit/Seed Color	Brown
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### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.2
Adapted To Fine Textured Soils	Yes	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	26
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	130	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-28

### 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Benchmark**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

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

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.2
Adapted To Fine Textured Soils	Yes	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	26
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	120	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-53

### Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High

Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Berber**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

Active Growth Period	Fall, Winter and Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	3
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

**Growth Requirements**

Adapted To Coarse Textured Soils	No	Moisture Use	Low
Adapted To Medium Textured Soils	Yes	pH, Minimum	5



Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	16
Drought Tolerance	High	Precipitation, Maximum	28
Fertility Requirement	Medium	Root Depth, Minimum	11
Fire Tolerance	High	Salinity Tolerance	Low
Frost Free Days, Minimum	180	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	7

### 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	Spring	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Dawn**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

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

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	32
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	14
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	120	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-43

### Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### Suitability/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	Medium
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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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Hallmark**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	32
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12

Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	120	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-43

### Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Haymate**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	3.8
Fall Conspicuous	No	Known Allelopath	No

Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	120	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-43

### Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	Medium
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Justus**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	28
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	120	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-38

### Reproduction

Bloom Period	Mid Spring	Propagated By Cuttings	No
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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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Latar**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

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

Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.5
Adapted To Fine Textured Soils	Yes	pH, Maximum	8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	24
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	140	Shade Tolerance	Intermediate
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	High	Propagated By Sod	No
Fruit/Seed Period Begin	Summer	Propagated By Sprigs	No
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Orion**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

**Growth Requirements**

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.5
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	160	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	-33

**Reproduction**

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow

Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Paiute**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

**Growth Requirements**

Adapted To Coarse Textured Soils	No	Moisture Use	Low
Adapted To Medium Textured Soils	Yes	pH, Minimum	5

Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	12
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	135	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	-23

Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

Suitibility/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

Dactylis glomerata L.  
orchardgrass  
DAGL  
Cultivar: Palestine

Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

Morphology/Physiology

Active Growth Period	Fall, Winter and Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Medium	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	3
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Semi-Erect
Foliage Texture	Fine	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.8
Adapted To Fine Textured Soils	No	pH, Maximum	8.4
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	Medium	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	18
Drought Tolerance	High	Precipitation, Maximum	45
Fertility Requirement	Medium	Root Depth, Minimum	11
Fire Tolerance	Low	Salinity Tolerance	Low
Frost Free Days, Minimum	150	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	2

### Reproduction

Bloom Period	Mid 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	No
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Pennmead**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	28
Drought Tolerance	Medium	Precipitation, Maximum	60

Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	135	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	-23

### Reproduction

Bloom Period	Late 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	Summer	Propagated By Sprigs	No
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Pomar**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	2

Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Fine	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Low
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.5
Adapted To Fine Textured Soils	Yes	pH, Maximum	8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	18
Drought Tolerance	High	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	10
Fire Tolerance	High	Salinity Tolerance	Low
Frost Free Days, Minimum	145	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	-18

### Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### Suitability/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	Medium
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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Potomac**

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### Summary

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

### Morphology/Physiology

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO <sub>3</sub> Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	130	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-33

### Reproduction



Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Sandia**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No

Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Fine	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.5
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	28
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	160	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	-28

### Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

### 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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Sterling**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Rapid
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Dense	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

**Growth Requirements**

Adapted To Coarse Textured Soils	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.4
Adapted To Fine Textured Soils	No	pH, Maximum	8.4
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	Medium	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	120	Shade Tolerance	Intermediate
Hedge Tolerance	None	Temperature, Minimum (°F)	-38

**Reproduction**

Bloom Period	Late 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	Summer	Propagated By Sprigs	No
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow

Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**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

***Dactylis glomerata* L.**  
**orchardgrass**  
**DAGL**  
**Cultivar: Virginia 70**

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**Summary**

Duration	Perennial	Federal T/E Status	
Growth Habit	Graminoid	National Wetland Indicator	UPL, FACU+
U.S. Nativity			

**Morphology/Physiology**

Active Growth Period	Spring	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Rapid	Growth Form	Bunch
Bloat	None	Growth Rate	Moderate
C:N Ratio	Low	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	4
Fall Conspicuous	No	Known Allelopath	No
Fire Resistant	No	Leaf Retention	No
Flower Color	Yellow	Lifespan	Moderate
Flower Conspicuous	No	Low Growing Grass	No
Foliage Color	Green	Nitrogen Fixation	
Foliage Porosity Summer	Moderate	Resprout Ability	No
Foliage Porosity Winter	Porous	Shape and Orientation	Erect
Foliage Texture	Medium	Toxicity	None
Fruit/Seed Color	Brown		

**Growth Requirements**

Adapted To Coarse Textured Soils	No	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5

Adapted To Fine Textured Soils	Yes	pH, Maximum	7.5
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	30
Drought Tolerance	High	Precipitation, Maximum	60
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	160	Shade Tolerance	Intermediate
Hedge Tolerance		Temperature, Minimum (°F)	-18

Reproduction

Bloom Period	Mid 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	427200
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	High
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

Suitibility/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

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