



Characteristics

**Conservation Plant Characteristics**

*Bouteloua curtipendula* (Michx.) Torr.  
 sideoats grama  
 BOCU

**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	5.5
Adapted To Fine Textured Soils	Yes	pH, Maximum	8.5
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	Medium	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Low	Salinity Tolerance	Low
Frost Free Days, Minimum	150	Shade Tolerance	Intolerant

Hedge Tolerance	None	Temperature, Minimum (°F)	-43
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**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	Summer	Propagated By Sprigs	No
Fruit/Seed Period End	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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

**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

***Bouteloua curtipendula* (Michx.) Torr.**  
**sideoats grama**  
**BOCU**  
**Cultivar: Butte**

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**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	5.5
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	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	120	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-33

**Reproduction**

Bloom Period	Mid Summer	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	No
Fruit/Seed Period End	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Slow

**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

***Bouteloua curtipendula* (Michx.) Torr.**

**sideoats grama**  
**BOCU**  
**Cultivar: El Reno**

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**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	6
Adapted To Fine Textured Soils	Yes	pH, Maximum	8.5
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	Medium	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	6
Drought Tolerance	Medium	Precipitation, Maximum	20
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	Medium	Salinity Tolerance	Low
Frost Free Days, Minimum	150	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-28

**Reproduction**

Bloom Period	Mid Summer	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	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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

***Bouteloua curtipendula* (Michx.) Torr.**  
**sideoats grama**  
**BOCU**  
**Cultivar: Haskell**

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**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.5
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	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	180	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	7

### Reproduction

Bloom Period	Mid Summer	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	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Moderate

### 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

***Bouteloua curtipendula* (Michx.) Torr.**  
**sideoats grama**  
**BOCU**  
**Cultivar: Killdeer**

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### Summary

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

U.S. Nativity

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.5
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	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	110	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-43

**Reproduction**

Bloom Period	Mid Summer	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	No
Fruit/Seed Period End	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Slow

**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

***Bouteloua curtipendula* (Michx.) Torr.**  
**sideoats grama**  
**BOCU**  
**Cultivar: Niner**

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**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.3
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	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	145	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-13

**Reproduction**

Bloom Period	Mid Summer	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	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Slow

**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

***Bouteloua curtipendula* (Michx.) Torr.**

**sideoats grama**

**BOCU**

**Cultivar: Premier**

**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.3
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	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	160	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-23

**Reproduction**

Bloom Period	Mid Summer	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	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Slow

**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

***Bouteloua curtipendula* (Michx.) Torr.**  
**sideoats grama**  
**BOCU**  
**Cultivar: Trailway**

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**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.3
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.9
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	120	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-23

### 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	Summer	Propagated By Sprigs	No
Fruit/Seed Period End	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Slow

### 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

***Bouteloua curtipendula* (Michx.) Torr.**

**sideoats grama**

**BOCU**

**Cultivar: Uvalde**

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### Summary

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

### Morphology/Physiology

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes

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	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.5
Adapted To Fine Textured Soils	Yes	pH, Maximum	7.9
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	175	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	7

### 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	Summer	Propagated By Sprigs	No
Fruit/Seed Period End	Fall	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Slow

### 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

***Bouteloua curtipendula* (Michx.) Torr.**  
**sideoats grama**

**BOCU**  
**Cultivar: Vaughn**

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**Summary**

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

**Morphology/Physiology**

Active Growth Period	Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Moderate	Growth Form	Rhizomatous
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	Yes
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	Yes	Moisture Use	Medium
Adapted To Medium Textured Soils	Yes	pH, Minimum	5.3
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	6
Drought Tolerance	Medium	Precipitation, Maximum	25
Fertility Requirement	Medium	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Medium
Frost Free Days, Minimum	165	Shade Tolerance	Intolerant
Hedge Tolerance	None	Temperature, Minimum (°F)	-13

**Reproduction**

Bloom Period	Mid Summer	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	No
Fruit/Seed Period End	Fall	Propagated By Tubers	No

Fruit/Seed Persistence	No	Seed Per Pound	159200
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	Slow

**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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