

Fruit/Seed Persistence	No
Propagated by Bare Root	No
Propagated by Bulb	No
Propagated by Container	No
Propagated by Corm	No
Propagated by Cuttings	No
Propagated by Seed	Yes
Propagated by Sod	No
Propagated by Sprigs	No
Propagated by Tubers	No
Seed per Pound	159200
Seed Spread Rate	Slow
Seedling Vigor	Medium
Small Grain	No
Vegetative Spread Rate	None
Suitability/Use	
Berry/Nut/Seed Product	No
Christmas Tree Product	No
Fodder Product	Yes
Fuelwood Product	
Lumber Product	No
Naval Store Product	No
Nursery Stock Product	No
Palatable Browse Animal	Medium
Palatable Graze Animal	High
Palatable Human	No
Post Product	No
Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

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

P	lorp	holo	gy/	Phy	sio	logy

Morphology/Physiology	
Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Dense
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes
Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation	Erect
Toxicity	None
Growth Requirements	
Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes
Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	High
Cold Stratification Required	No
	Madium
Drought Tolerance	Medium

Fire Tolerance	High
Frost Free Days, Minimum	120
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.5
pH, Maximum	7.8
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum	
Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	-33
Reproduction	
Bloom Period	Mid Summer
Commercial Availability	Routinely Available
Fruit/Seed Abundance	Medium
Fruit/Seed Period Begin	Summer
Fruit/Seed Period End	Fall
Fruit/Seed Persistence	No
Propagated by Bare Root	No
Propagated by Bulb	No
Propagated by Container	No
Propagated by Corm	No
Propagated by Cuttings	No
Propagated by Seed	Yes
Propagated by Sod	No
Propagated by Sprigs	No
Propagated by Tubers	No
Seed per Pound	159200
Seed Spread Rate	Slow
Seedling Vigor	High
Small Grain	No
Vegetative Spread Rate	Slow
Suitability/Use	
Berry/Nut/Seed Product	No
Christmas Tree Product	No
Fodder Product	Yes
Fuelwood Product	
Lumber Product	No
Naval Store Product	No
Nursery Stock Product	No
Palatable Browse Animal	Medium
Palatable Graze Animal	High
Palatable Human	No
Post Product	No
Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

Bouteloua curtipendula (Michx.) Torr. sideoats grama BOCU Cultivar: El Reno

Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Dense
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous

Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate Yes
Low Growing Grass Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation	Erect
Toxicity	None
Growth Requirements	
Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes
Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	Medium
Cold Stratification Required	No
Drought Tolerance	Medium
Fertility Requirement	Medium
Fire Tolerance	Medium
Frost Free Days, Minimum	150
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	6.0
pH, Maximum	8.5
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum	
Precipitation, Minimum	6 20
Precipitation, Maximum	12
Root Depth, Minimum (inches) Salinity Tolerance	Low
	Intolerant
	-28
Reproduction	
Bloom Period	Mid Summer
	Mid Summer Routinely Available
Bloom Period Commercial Availability Fruit/Seed Abundance	Mid Summer Routinely Available High
Commercial Availability	Routinely Available
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin	Routinely Available High
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End	Routinely Available High Summer
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence	Routinely Available High Summer Fall
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence	Routinely Available High Summer Fall No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb	Routinely Available High Summer Fall No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb	Routinely Available High Summer Fall No No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Corm Propagated by Cuttings	Routinely Available High Summer Fall No No No No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Corm Propagated by Cuttings Propagated by Seed	Routinely Available High Summer Fall No No No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Corm Propagated by Cuttings Propagated by Seed Propagated by Sod	Routinely Available High Summer Fall No No No No Yes No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Corm Propagated by Corm Propagated by Cuttings Propagated by Seed Propagated by Sod Propagated by Sod	Routinely Available High Summer Fall No No No Vo Yes No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Corm Propagated by Corm Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers	Routinely Available High Summer Fall No No No No Yos No No No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Barb Propagated by Container Propagated by Comm Propagated by Comm Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound	Routinely Available High Summer Fall No No No No Yos No No No No No No No No No No No No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Peristence Propagated by Bare Root Propagated by Bulb Propagated by Corm Propagated by Corm Propagated by Coutlings Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sot Propagated by Strigs Propagated by Tubers Seed per Pound Seed Spread Rate	Routinely Available High Summer Fall No No No No No No No No No No So No So No So No So No So No So No So No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Container Propagated by Coutlings Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sof Propagated by Sof Propagated by Sof Seed per Pound Seed Spread Rate Seedling Vigor	Routinely Available High Summer Fall No No No No No No No No No No Slow High
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Container Propagated by Cuttings Propagated by Seed Propagated by Seed Propagated by Sprigs Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain	Routinely Available High Summer Fall No No No No No No No No No Slow High No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Container Propagated by Cutlings Propagated by Seed Propagated by Song Propagated by Sprigs Propagated by Subers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain	Routinely Available High Summer Fall No No No No No No No No No No Slow High
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Container Propagated by Cuttings Propagated by Seed Propagated by Sori Propagated by Sprigs Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use	Routinely Available High Summer Fall No No No No No Yes No No No Slow High No No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Container Propagated by Cuttings Propagated by Seed Propagated by Seed Propagated by Subers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product	Routinely Available High Summer Fall No No No No No Slow High No None No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Corm Propagated by Corm Propagated by Corm Propagated by Cuttings Propagated by Sed Propagated by Sprigs Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product	Routinely Available High Summer Fall No No No No So So So So So So So So So So So So So
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Corm Propagated by Corm Propagated by Cuttings Propagated by Sed Propagated by Sod Propagated by Sprigs Propagated by Subers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product	Routinely Available High Summer Fall No No No No No Slow High No None No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Contings Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Subers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fuelwood Product	Routinely Available High Summer Fall No No No No Yes No Yes No Slow High No None None No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Gorm Propagated by Container Propagated by Container Propagated by Cortings Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sod Propagated by Sod Propagated by Sod Propagated by Sod Propagated by Subers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fuelwood Product	Routinely Available High Summer Fall No No No No So So So So So So So So So So So So So
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Period End Propagated by Bare Root Propagated by Bare Root Propagated by Container Propagated by Container Propagated by Corm Propagated by Cuttings Propagated by Seed Propagated by Seed Propagated by Syrigs Propagated by Syrigs Propagated by Syrigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fuelwood Product Lumber Product	Routinely Available High Summer Fall No No No No No Yes No Slow High No No No No Slow High No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Peristence Propagated by Bare Root Propagated by Bare Root Propagated by Container Propagated by Container Propagated by Countings Propagated by Seed Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sprigs Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Smail Grain Vegetative Spread Rate Suitability / Use Berry/Nut/Seed Product Christmas Tree Product Fuelwood Product Fuelwood Product Lumber Product Naval Store Product	Routinely Available High Summer Fall No No No No No Yes No Slow High No No No Slow High No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Peristence Propagated by Bare Root Propagated by Bare Root Propagated by Container Propagated by Container Propagated by Container Propagated by Countings Propagated by Seed Propagated by Seed Pro	Routinely Available High Summer Fall No No No No No No No Yes No Slow High No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bare Root Propagated by Container Propagated by Container Propagated by Courtings Propagated by Sod Propagated by Sof Propagated by Sof Propagat	Routinely Available High Summer Fall No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Corm Propagated by Corm Propagated by Coutings Propagated by Sori Propagated by Sori P	Routinely Available High Summer Fall No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Container Propagated by Seed Propagated by Seed Propagated by Sorigs Propagated by Sprigs Propagated by Sprigs Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product Fuelwood Product Lumber Product Nursery Stock Product Palatable Browse Animal Palatable Graze Animal Palatable Human Post Product	Routinely Available High Summer Fall No Slow High No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bare Root Propagated by Container Propagated by Container Propagated by Container Propagated by Container Propagated by Sori Propagated by Sori Propagated by Sori Propagated by Sprigs Propagated by Sprigs Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product Lumber Product Naval Store Product Naval Store Product Palatable Browse Animal Palatable Graze Animal Palatable Human Post Product Protein Potential	Routinely Available High Summer Fall No Slow High No
Commercial Availability Fruit/Seed Abundance Fruit/Seed Period Begin Fruit/Seed Period End Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Container Propagated by Container Propagated by Container Propagated by Sorigs Propagated by Sprigs Propagated by Sprigs Propagated by Sprigs Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product Fuelwood Product Lumber Product Naval Store Product Naval Store Product Palatable Grosse Animal Palatable Grosse Animal Palatable Human Post Product Protein Potential Pulpwood Product	Routinely Available High Summer Fall No Slow High No

Bouteloua curtipendula (Michx.) Torr. sideoats grama

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BOCU Cultivar: Haskell

Morphology/Physiology	
Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Moderate
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	C.
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes
Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation	Erect
Toxicity	None
Growth Requirements	
Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes
Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	High
Cold Stratification Required	No
Drought Tolerance	Medium
Fertility Requirement	Medium
Fire Tolerance	High
Frost Free Days, Minimum	180
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.5
pH, Maximum	7.8
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum	i l
Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	7
Reproduction	
Bloom Period	Mid Summer
	Routinely Available
Commercial Availability	· · · · · ·
Fruit/Seed Abundance	High
Fruit/Seed Period Begin	Summer
Fruit/Seed Period End	Fall
Fruit/Seed Persistence	No
Propagated by Bare Root	No
Propagated by Bulb	No
Propagated by Container	No
	No
Propagated by Corm	• 22
	No
Propagated by Cuttings	NO Yes
Propagated by Cuttings Propagated by Seed	Yes
Propagated by Cuttings Propagated by Seed Propagated by Sod	Yes No
Propagated by Cuttings Propagated by Seed Propagated by Sod Propagated by Sprigs	Yes No No
Propagated by Cuttings Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers	Yes No No
Propagated by Cuttings Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound	Yes No No 159200
Propagated by Corm Propagated by Cuttings Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor	Yes No No

Vegetative Spread Rate	Moderate
Suitability/Use	
Berry/Nut/Seed Product	No
Christmas Tree Product	No
Fodder Product	Yes
Fuelwood Product	
Lumber Product	No
Naval Store Product	No
Nursery Stock Product	No
Palatable Browse Animal	Medium
Palatable Graze Animal	High
Palatable Human	No
Post Product	No
Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

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

Morpho	loay/Ph	ysiology
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Morphology/Physiology	
Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Moderate
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes
Nitrogen Fixation	None
Resprout Ability	No
	Erect
Toxicity	None
2187 WAR 1995 STEP	None
Growth Requirements	-
nuapteu to course renteres cons	Yes
Adapted to Fine Textured Soils	Yes
	Yes
	None
	High
	No
Drought Tolerance	Medium
Fertility Requirement	Medium
	High
Frost Free Days, Minimum	110
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.5
pH, Maximum	7.8
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum	
Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	-43

Reproduction

Bloom Period	Mid Summer
Commercial Availability	Routinely Available
Fruit/Seed Abundance	Low
Fruit/Seed Period Begin	Summer
Fruit/Seed Period End	Fall
Fruit/Seed Persistence	No
Propagated by Bare Root	No
Propagated by Bulb	No
Propagated by Container	No
Propagated by Corm	No
Propagated by Cuttings	No
Propagated by Seed	Yes
Propagated by Sod	No
Propagated by Sprigs	No
Propagated by Tubers	No
Seed per Pound	159200
Seed Spread Rate	Slow
Seedling Vigor	Medium
Small Grain	No
Vegetative Spread Rate	Slow
Suitability/Use	
Berry/Nut/Seed Product	No
Christmas Tree Product	No
Fodder Product	Yes
Fuelwood Product	
Lumber Product	No
Naval Store Product	No
Nursery Stock Product	No
Palatable Browse Animal	Medium
Palatable Graze Animal	High
Palatable Human	No
Post Product	No
Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

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

Morphology/Physiology	
Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Moderate
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes
Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation	Erect
Toxicity	None
Growth Requirements	
Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes

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Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	High
Cold Stratification Required	No
Drought Tolerance	Medium
Fertility Requirement	Medium
Fire Tolerance	High
Frost Free Days, Minimum	145
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.3
pH, Maximum	7.8
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum	
Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	-13
Reproduction	
Bloom Period	Mid Summer
Commercial Availability	Routinely Available
Fruit/Seed Abundance	High
Fruit/Seed Period Begin	Summer
Fruit/Seed Period End	Fall
Fruit/Seed Persistence	No
Propagated by Bare Root	No
Propagated by Bulb	No
Propagated by Container	No
Propagated by Corm	No
Propagated by Cuttings	No
Propagated by Seed	Yes
Propagated by Sod	No
Propagated by Sprigs	No
Propagated by Tubers	No
Seed per Pound	159200
CAREAGE AND AND CAREAGE	Slow
Seed Spread Rate	
Seedling Vigor	High No
Small Grain	Slow
Vegetative Spread Rate	SIOW
Suitability/Use	
Berry/Nut/Seed Product	No
Christmas Tree Product	No
Fodder Product	Yes
Fuelwood Product	
Lumber Product	No
Naval Store Product	No
	No
Palatable Browse Animal	Medium
Palatable Graze Animal	High
Palatable Human	No
Post Product	No
Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

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

Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green

Foliage Porosity Summer	Moderate
Foliage Porosity Winter	Porous
Foliage Texture Fruit/Seed Color	Medium Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes
Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation Toxicity	Erect
and the second second	None
Growth Requirements Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes
Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	High
Cold Stratification Required	No
Drought Tolerance	Medium
Fertility Requirement	Medium
Fire Tolerance	High
Frost Free Days, Minimum	160
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.3
pH, Maximum	7.8
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	-23
Reproduction	
Bloom Period	Mid Summer
Commercial Availability	Routinely Available
Fruit/Seed Abundance	High
Fruit/Seed Period Begin	Summer
Fruit/Seed Period End	Fall
Fruit/Seed Persistence	No
Propagated by Bare Root Propagated by Bulb	No
Propagated by Container	No
	No
Propagated by Cuttings	No
	No Yes
Propagated by Seed Propagated by Sod	Yes
Propagated by Seed Propagated by Sod Propagated by Sprigs	Yes No
Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers	Yes No No
Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate	Yes No No No 159200 Slow
Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor	Yes No No 159200 Slow High
Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain	Yes No No No 159200 Slow High No
Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate	Yes No No 159200 Slow High
Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use	Yes No No No 159200 Slow High No Slow
Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product	Yes No No No 159200 Slow High No Slow
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product	Yes No No No 159200 Slow High No Slow No
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product	Yes No No No 159200 Slow High No Slow
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product	Yes No No No 159200 Slow High No Slow No
Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product	Yes No No No 159200 Slow High No Slow No No Yes
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sprigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product Fuelwood Product Lumber Product Naval Store Product	Yes No No No 159200 Slow High No Slow No Yes
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sorigs Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability / Use Berry/Nut/Seed Product Christmas Tree Product Fuelwood Product Lumber Product Lumber Product Naval Store Product Nursery Stock Product	Yes No No 159200 Slow High No Slow No Yes No No Yes
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product Fuelwood Product Lumber Product Naval Store Product Nursery Stock Product Palatable Browse Animal Palatable Graze Animal	Yes No No 159200 Slow High No Slow No No Yes No No No No No No No
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Christmas Tree Product Fodder Product Lumber Product Lumber Product Naval Store Product Nursery Stock Product Palatable Browse Animal Palatable Graze Animal	Yes No No 159200 Slow High No Slow No No Yes No No No No No No No No No No No No No
Propagated by Seed Propagated by Seed Propagated by Sod Propagated by Sod Propagated by Tubers Seed per Pound Seed Spread Rate Seedling Vigor Small Grain Vegetative Spread Rate Suitability/Use Berry/Nut/Seed Product Christmas Tree Product Fodder Product Fuelwood Product Lumber Product Naval Store Product Naval Store Product Palatable Browse Animal Palatable Graze Animal	Yes No No 159200 Slow High No Slow No No Yes No No No No No No High

Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

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

Morphology/Physiology	
Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Moderate
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes
Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation	Erect
Toxicity	None
Growth Requirements	
Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes
Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	High
Cold Stratification Required	No
Drought Tolerance	Medium
Fertility Requirement	Medium
Fire Tolerance	High
Frost Free Days, Minimum	120
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.3
pH, Maximum	7.9
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum	
Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	-23
Reproduction	
Bloom Period	Mid Spring
Commercial Availability	Routinely Available
Fruit/Seed Abundance	Medium
Fruit/Seed Period Begin	Summer Fall
Fruit/Seed Period End	
Fruit/Seed Persistence	No
Fruit/Seed Persistence Propagated by Bare Root	No No
Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb	No No No
Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container	No No No
Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container Propagated by Corm	No No No No
Fruit/Seed Persistence Propagated by Bare Root Propagated by Bulb Propagated by Container	No No No

Propagated by Sod	No
Propagated by Sprigs	No
Propagated by Tubers	No
Seed per Pound	159200
Seed Spread Rate	Slow
Seedling Vigor	Medium
Small Grain	No
Vegetative Spread Rate	Slow
Suitability/Use	
Berry/Nut/Seed Product	No
Christmas Tree Product	No
Fodder Product	Yes
Fuelwood Product	
Lumber Product	No
Naval Store Product	No
Nursery Stock Product	No
Palatable Browse Animal	Medium
Palatable Graze Animal	High
Palatable Human	No
Post Product	No
Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

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

horphology/ highlology	
Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Moderate
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (feet)	
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes
Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation	Erect
Toxicity	None
Growth Requirements	
Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes
Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	High
Cold Stratification Required	No
Drought Tolerance	Medium
Fertility Requirement	Medium
Fire Tolerance	High
Frost Free Days, Minimum	175
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.5
pH, Maximum	7.9
Planting Density per Acre, Minimum	

	•	C	10	
1		of	1.5	
T	1	O1	12	

Planting Density per Acre, Maximum	
Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	7
Reproduction	
Bloom Period	Mid Spring
Commercial Availability	Routinely Available
Fruit/Seed Abundance	Medium
Fruit/Seed Period Begin	Summer
Fruit/Seed Period End	Fall
Fruit/Seed Persistence	No
Propagated by Bare Root	No
Propagated by Bulb	No
Propagated by Container	No
Propagated by Corm	No
Propagated by Cuttings	No
Propagated by Seed	Yes
Propagated by Sod	No
Propagated by Sprigs	No
Propagated by Tubers	No
Seed per Pound	159200
Seed Spread Rate	Slow
Seedling Vigor	High
Small Grain	No
Vegetative Spread Rate	Slow
Suitability/Use	
Berry/Nut/Seed Product	No
Christmas Tree Product	No
Fodder Product	Yes
Fuelwood Product	
Lumber Product	No
Naval Store Product	No
Nursery Stock Product	No
Palatable Browse Animal	Medium
Palatable Graze Animal	High
Palatable Human	No
Post Product	No
Protein Potential	Medium
Pulpwood Product	No
Veneer Product	No

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

Morphology/Physiology	
Active Growth Period	Summer
After Harvest Regrowth Rate	Moderate
Bloat	None
C:N Ratio	Medium
Coppice Potential	No
Fall Conspicuous	No
Fire Resistant	No
Flower Color	Yellow
Flower Conspicuous	No
Foliage Color	Green
Foliage Porosity Summer	Moderate
Foliage Porosity Winter	Porous
Foliage Texture	Medium
Fruit/Seed Color	Brown
Fruit/Seed Conspicuous	No
Growth Form	Rhizomatous
Growth Rate	Moderate
Height at 20 Years, Maximum (fee	t)
Height, Mature (feet)	3.0
Known Allelopath	No
Leaf Retention	No
Lifespan	Moderate
Low Growing Grass	Yes

Nitrogen Fixation	None
Resprout Ability	No
Shape and Orientation	Erect
Toxicity	None
Growth Requirements	
Adapted to Coarse Textured Soils	Yes
Adapted to Fine Textured Soils	Yes
Adapted to Medium Textured Soils	Yes
Anaerobic Tolerance	None
CaCO3 Tolerance	High
Cold Stratification Required	No
Drought Tolerance	Medium
Fertility Requirement	Medium
Fire Tolerance	High
Frost Free Days, Minimum	165
Hedge Tolerance	None
Moisture Use	Medium
pH, Minimum	5.3
pH, Maximum	7.8
Planting Density per Acre, Minimum	
Planting Density per Acre, Maximum	
Precipitation, Minimum	6
Precipitation, Maximum	25
Root Depth, Minimum (inches)	12
Salinity Tolerance	Medium
Shade Tolerance	Intolerant
Temperature, Minimum (°F)	-13
Reproduction	
Bloom Period	Mid Summer
Commercial Availability	Routinely Available
Fruit/Seed Abundance	Medium
Fruit/Seed Period Begin	Summer
Fruit/Seed Period End	Fall
Fruit/Seed Persistence	No
Propagated by Bare Root	No
Propagated by Bulb	No
CONTRACTOR NOT AND CONTRACT	No
	No
	No
Propagated by Seed	Yes
	No
	No
And the state of the	No
	159200
Seed Spread Rate	Slow
	High
Small Grain	No
	Slow
Suitability/Use	
Berry/Nut/Seed Product	No
	No
	Yes
Fuelwood Product	105
Lumber Product	No
	No
	No
Palatable Browse Animal	Medium
	High
	No
Paratable Human	No
Post Product Protein Potential	Medium
Protein Potential Pulpwood Product	No
	No

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