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## Characteristics

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### Conservation Plant Characteristics

***Sporobolus airoides* (Torr.) Torr.**  
**alkali sacaton**  
**SPAI**

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#### Summary

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

#### Morphology/Physiology

Active Growth Period	Spring and Summer	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	Erect
Foliage Texture	Fine	Toxicity	None
Fruit/Seed Color	Brown		

#### Growth Requirements

Adapted To Coarse Textured Soils	Yes	Moisture Use	Low
Adapted To Medium Textured Soils	Yes	pH, Minimum	6.6
Adapted To Fine Textured Soils	Yes	pH, Maximum	9
Anaerobic Tolerance	Medium	Planting Density Per Acre, Minimum	
CaCO <sub>3</sub> Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	5
Drought Tolerance	High	Precipitation, Maximum	13
Fertility Requirement	Medium	Root Depth, Minimum	16
Fire Tolerance	Medium	Salinity Tolerance	High
Frost Free Days, Minimum	150	Shade Tolerance	Intolerant

Hedge Tolerance	None	Temperature, Minimum (°F)	-38
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**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	1750000
Propagated By Bare Root	No	Seed Spread Rate	Slow
Propagated By Bulbs	No	Seedling Vigor	Low
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	None

**Suitability/Use**

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

***Sporobolus airoides* (Torr.) Torr.****alkali sacaton****SPAI****Cultivar: Salado****Summary**

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

**Morphology/Physiology**

Active Growth Period	Spring and Summer	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	Erect
Foliage Texture	Fine	Toxicity	None
Fruit/Seed Color	Brown		

### Growth Requirements

Adapted To Coarse Textured Soils	Yes	Moisture Use	Low
Adapted To Medium Textured Soils	Yes	pH, Minimum	6.6
Adapted To Fine Textured Soils	Yes	pH, Maximum	9
Anaerobic Tolerance	Low	Planting Density Per Acre, Minimum	
CaCO3 Tolerance	High	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	5
Drought Tolerance	High	Precipitation, Maximum	13
Fertility Requirement	Medium	Root Depth, Minimum	16
Fire Tolerance	Medium	Salinity Tolerance	High
Frost Free Days, Minimum	150	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	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	1750000
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	Low
Christmas Tree Product	No	Palatable Graze Animal	Medium
Fodder Product	Yes	Palatable Human	No
Fuelwood Product	None	Post Product	No
Lumber Product	No	Protein Potential	Low
Naval Store Product	No	Pulpwood Product	No
Nursery Stock Product	No	Veneer Product	No

***Sporobolus airoides* (Torr.) Torr.**

**alkali sacaton**  
**SPAI**  
**Cultivar: Saltalk**

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### Summary

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U.S. Nativity			

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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
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CaCO <sub>3</sub> Tolerance	High	Planting Density Per Acre, Maximum	
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Drought Tolerance	High	Precipitation, Maximum	13
Fertility Requirement	Medium	Root Depth, Minimum	16
Fire Tolerance	Medium	Salinity Tolerance	High
Frost Free Days, Minimum	180	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
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Propagated By Container	No	Small Grain	No
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**Suitibility/Use**

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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	Low
Naval Store Product	No	Pulpwood Product	No
Nursery Stock Product	No	Veneer Product	No

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