



Characteristics

Conservation Plant Characteristics

Hilaria belangeri (Steud.) Nash
curly-mesquite
HIBE

Summary

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

Morphology/Physiology

Active Growth Period	Spring and Summer	Fruit/Seed Conspicuous	No
After Harvest Regrowth Rate	Slow	Growth Form	Stoloniferous
Bloat	None	Growth Rate	Moderate
C:N Ratio	Medium	Height at Base Age, Maximum	
Coppice Potential	No	Height at Maturity	0.8
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	Semi-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
Adapted To Fine Textured Soils	Yes	pH, Maximum	8
Anaerobic Tolerance	None	Planting Density Per Acre, Minimum	
CaCO ₃ Tolerance	None	Planting Density Per Acre, Maximum	
Cold Stratification Required	No	Precipitation, Minimum	5
Drought Tolerance	High	Precipitation, Maximum	12
Fertility Requirement	Low	Root Depth, Minimum	12
Fire Tolerance	High	Salinity Tolerance	Low
Frost Free Days, Minimum	220	Shade Tolerance	Intolerant

Hedge Tolerance

None

Temperature, Minimum (°F)

12

Reproduction

Bloom Period	Late Spring	Propagated By Cuttings	No
Commercial Availability	Field Collections Only	Propagated By Seed	Yes
Fruit/Seed Abundance	Low	Propagated By Sod	No
Fruit/Seed Period Begin	Summer	Propagated By Sprigs	Yes
Fruit/Seed Period End	Summer	Propagated By Tubers	No
Fruit/Seed Persistence	No	Seed Per Pound	269000
Propagated By Bare Root	No	Seed Spread Rate	Moderate
Propagated By Bulbs	No	Seedling Vigor	Medium
Propagated By Container	No	Small Grain	No
Propagated By Corms	No	Vegetative Spread Rate	Slow

Suitibility/Use

Berry/Nut/Seed Product	No	Palatable Browse Animal	High
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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