



BORDERLANDS
NURSERY & SEED

Priority Species for Restoration in Texas, New Mexico & Northeastern Mexico Along the Migratory Route of the Greater Long-Nosed Bat

We have narrowed our restoration focus to *Agave* species that are paniculate, meaning that they have branching flowering stalks, flower nocturnally, and have ranges that overlap with the migratory corridor of threatened nectar-feeding bats when they pass through Texas, New Mexico, Chihuahua, Nuevo Leon, Coahuila, and Tamaulipas. These particular *Agave* species are in critical need of protection and restoration efforts. For a very thorough and systematic account of all *Agave* species in North America, see *Agaves of Continental North America* by Howard Scott Gentry.

Species	Common Name(s)	Approximate Elevation Range	Habitat	T X / N M	C H I H	N L	C O A H	T A M P S	Flowering Season	Primary Reproductive Strategy
<i>Agave americana</i> <i>L. subsp. americana</i>			Largely artificial, disturbed areas	x		x	x	x	Summer	
<i>Agave americana</i> <i>L. subsp. protamericana</i>		656 - 4593' (200 -1400 m)	Tropical deciduous forest and thorn forest zones			x		x	Summer	
<i>Agave americana</i>	Magüey de castilla cenizo; Magüey blanco de Castilla; Magüey cenizo; El Manso; Magüey manso; Cenizo forrajero	Variable	Both cultivated and native varieties present in variable habitat types, disturbed areas in desert scrubland and semi-desert grassland	x		x	x	x	Summer	
<i>Agave asperrima</i>	Charchín; Cenizo del monte; Magüey Rasposo; Rough agave	2460 - 7875' (750 - 2400 m)	Desert scrubland, Coahuilan Desert mountains	x	x	x	x	x	Spring-Summer	
<i>Agave asperrima</i> <i>subsp. maderensis</i>			Coahuilan Desert mountains				x			
<i>Agave celcii</i>			Tropical deciduous forests, topical savannas, high cloud forests			x	x	x	Spring-Early Summer	
<i>Agave gentryi</i>	magüey verde; Magüey verde del monte; Magüey verde del campo	8690 - 11975' (2650 - 3650 m)	Oak woodland and pine-oak forests at higher mountain elevations			x	x	x	Summer	

<i>Agave gracillipes</i>		1200 - 1900' (366 - 6234 m)	Highland gramma grasslands, juniper-pinyon grasslands, sotol grassland, Acacia grassland, Larrea-Yucca grassland, ocotillo low bush desert	x							
<i>Agave havardiana</i>	Maguey Norteño Havard's Agave	4590 - 6562' (1400 - 2000 m)	Rocky grassland slopes, desert scrubland into oak woodland	x	x			x			Summer- Early Fall
<i>Agave mapisaga</i>										x	
<i>Agave montana</i>	maguey chino	9840 - 12140' (3000 - 3700 m)	Oak woodland and pine-oak forests at higher mountain elevations				x	x	x		Spring- Summer
<i>Agave gracillipes Trel</i>		3937 - 6234' (1200 - 1900 m)	Highland gramma grasslands, juniper-pinyon grasslands, sotol grassland, Acacia grassland, Larrea-Yucca grassland, ocotillo low bush desert	x							
<i>Agave havardiana</i>		4590-6562' (1400 - 2000 m)	Rocky grassland slopes, desert scrubland	x			x				
<i>Agave oroensis Gentry</i>			Brushy desert plain				x				
<i>Agave ovatifolia G.D. Starr & Villarreal</i>		3280-3937' (1000 - 1200 m)					x				
<i>Agave parrasana A. Berger</i>	Noah	1400-2480' (426 - 756 m)	Chaparral scrub and pine/oak woodland				x				Summer
<i>Agave x madrensis Villarreal, Ram.-Gam. & A.E. Estrada</i>		2600-2900' (792 - 884 m)					x				Summer

This list is a work-in-progress! If you have expertise to share, or suggested edits/additions, please email horticulture@borderlandsrestoration.org.