

Appendix C

Table of Native Perennial Grasses of Economic importance to the U.S.

The following table includes native perennial grasses of the U.S. that have seed with economic importance. This table does not include all economic grasses because some species are not propagated by seed, but by vegetative means. The table includes common names, scientific names, alternative names, heights, inflorescences, disarticulations, awn lengths, seed sizes, seed shapes, seed hairs, and seed availabilities for all 197 species covered by the database. The grasses are organized alphabetically by common name for ease of use by harvesters and producers. A legend for the table is provided at the end of this appendix. To find grasses organized alphabetically by their scientific name use Appendix D.

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
Alaska brome	<i>Bromus sitchensis</i>		tall	panicle	above	short	large	elongate	hairy	moderate
alkali cordgrass	<i>Spartina gracilis</i>		medium	panicle of spicate primary branches	below	short	medium	elongate	not hairy	abundant
alkali sacaton	<i>Sporobolus airoides</i>		medium	panicle	above	awnless	extra small	ovoid	not hairy	abundant
alpine bluegrass	<i>Poa alpina</i>		medium	panicle	above	awnless	extra small	elongate	hairy	abundant
alpine timothy	<i>Phleum alpinum</i>		short	panicle	above	awnless	extra small	ovoid	not hairy	abundant
American mannagrass	<i>Glyceria grandis</i>		tall	panicle	above	awnless	medium	elongate	not hairy	moderate
arctic reedgrass	<i>Calamagrostis cinnoides</i>	<i>Calamagrostis coarctata</i>	tall	panicle	above	short	extra small	elongate	hairy	scarce
Arizona cottontop	<i>Digitaria californica</i>	<i>Trichachne californica</i>	medium	panicle of spicate primary branches	below	short	extra small	elongate	hairy	scarce
Arizona fescue	<i>Festuca arizonica</i>		medium	panicle	above	short	small	elongate	not hairy	abundant
beaked panicgrass	<i>Panicum anceps</i>		tall	panicle	below	awnless	small	elongate	not hairy	moderate
bearded	<i>Brachyelytrum</i>		medium	panicle	below	long	medium	elongate	hairy	scarce

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
shorthusk	<i>erectum</i>									
beardless wheatgrass	<i>Pseudoroegneria spicata</i> ssp. <i>inermis</i>	<i>Agropyron inerme</i>	medium	spike	above	awnless	medium	elongate	not hairy	abundant
beardless wildrye	<i>Leymus triticoides</i>	<i>Elymus triticoides</i>	medium	spike	above	short	medium	elongate	not hairy	abundant
Bering's tufted hairgrass	<i>Deschampsia cespitosa</i> ssp. <i>beringensis</i>	<i>Deschampsia beringensis</i>	medium	panicle	above	awnless	extra small	elongate	not hairy	abundant
big alkali sacaton	<i>Sporobolus wrightii</i>		tall	panicle	above	awnless	extra small	ovoid	not hairy	scarce
big bluestem	<i>Andropogon gerardii</i> var. <i>gerardii</i>	<i>Andropogon gerardii</i>	tall	panicle of branches	below	medium	medium	elongate	hairy	abundant
big galleta	<i>Hilaria rigida</i>	<i>Pleuraphis rigida</i>	medium	panicle	below	awnless	large	irregular	hairy	abundant
big squirreltail	<i>Elymus multisetus</i>	<i>Sitanion jubatum</i>	short	spike	below	long	medium	elongate	not hairy	moderate
bitter panicgrass	<i>Panicum amarum</i> var. <i>amarum</i>		tall	panicle	below	awnless	small	elongate	not hairy	abundant
black grama	<i>Bouteloua eriopoda</i>		medium	panicle of spicate primary branches	above	short	extra small	elongate	hairy	uncertain
Blowout grass	<i>Redfieldia flexuosa</i>		medium	panicle	above	short	medium	elongate	not hairy	moderate

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
blue grama	<i>Bouteloua gracilis</i>		short	panicle of spicate primary branches	above	short	small	elongate	not hairy	abundant
blue wildrye	<i>Elymus glaucus ssp. glaucus</i>		tall	spike	above	medium	medium	elongate	hairy	abundant
bluebunch wheatgrass	<i>Pseudoroegneria spicata ssp. spicata</i>	<i>Agropyron spicatum</i>	medium	spike	above	medium	medium	elongate	not hairy	moderate
bluejoint reedgrass	<i>Calamagrostis canadensis</i>		tall	panicle	above	short	extra small	elongate	hairy	moderate
broomsedge bluestem	<i>Andropogon virginicus</i>		tall	panicle of branches	below	medium	small	elongate	hairy	abundant
buffalograss	<i>Buchloe dactyloides</i>	<i>Bouteloua dactyloides</i>	short	male flowers, panicle of spicate primary branches, female flowers, panicles	below	awnless	small	irregular	not hairy	abundant
bush muhly	<i>Muhlenbergia porteri</i>		medium	panicle	above	medium	extra small	elongate	hairy	moderate
bushy bluestem	<i>Andropogon glomeratus</i>		tall	panicle of branches	below	medium	medium	elongate	hairy	Abundant
California fescue	<i>Festuca californica</i>	<i>Festuca</i>	tall	panicle	above	short	small	elongate	hairy	Moderate

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
		<i>hitchcockianus</i>								
California melicgrass	<i>Melica californica</i>		tall	panicle	above	awnless	small	elongate	not hairy	moderate
California oatgrass	<i>Danthonia californica</i>		medium	panicle/raceme/solitary	above	medium	large	elongate	not hairy	Abundant
California squirreltail	<i>Elymus elymoides</i> ssp. <i>californicus</i>	<i>Sitanion hystrix</i> var. <i>californicum</i>	short	spike	below	long	medium	elongate	not hairy	Moderate
Canada wildrye	<i>Elymus canadensis</i>		medium	spike	above	long	medium	elongate	hairy	Abundant
cane bluestem	<i>Bothriochloa barbinodis</i>	<i>Andropogon barbinodis</i>	tall	panicle	below	medium	small	elongate	hairy	Abundant
chalky bluestem	<i>Andropogon virginicus</i> var. <i>glaucus</i>	<i>Andropogon capillipes</i>	tall	panicle of branches	below	medium	extra small	elongate	hairy	Scarce
coastal bitter panicgrass	<i>Panicum amarum</i> var. <i>amarulum</i>	<i>Panicum amarulum</i>	tall	panicle	below	awnless	small	elongate	not hairy	Scarce
Columbia brome	<i>Bromus vulgaris</i>		short	panicle	above	medium	medium	elongate	hairy	Moderate
common sweetgrass	<i>Anthoxanthum nitens</i>	<i>Hierochloa odorata</i>	medium	panicle	above	short	extra small	elongate	not hairy	scarce
creeping bluestem	<i>Schizachyrium scoparium</i> var. <i>stoloniferum</i>	<i>Andropogon stolonifera</i>	tall	spicate raceme	below	medium	small	elongate	hairy	Uncertain
curly mesquite	<i>Hilaria belangeri</i>		short	panicle	below	short	small	irregular	not hairy	Scarce

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
Cusick bluegrass	<i>Poa cusickii</i>		medium	panicle	above	awnless	extra small	elongate	not hairy	Moderate
Cuskick alkaligrass	<i>Puccinellia nuttalliana</i>	<i>Puccinellia cusickii</i>	short	panicle	above	awnless	extra small	elongate	not hairy	Moderate
cutthroat grass	<i>Panicum rigidulum</i> ssp. <i>abscissum</i>	<i>Panicum abscissum</i>	tall	panicle	below	awnless	small	elongate	not hairy	Moderate
deergrass	<i>Muhlenbergia rigens</i>		tall	panicle	above	awnless	extra small	elongate	hairy	Abundant
deertongue	<i>Dichanthelium clandestinum</i>		medium	panicle	below	awnless	small	elongate	hairy	Abundant
desert needlegrass, desert stipa	<i>Jarva speciosa</i>	<i>Achnatherum speciosum</i> , <i>Stipa speciosa</i>	medium	panicle	above	long	medium	elongate	hairy	Scarce
Dore's needlegrass	<i>Achnatherum nelsonii</i> ssp. <i>dorei</i>	<i>Stipa columbiana</i>	tall	panicle	above	long	medium	elongate	hairy	Moderate
Drummond's dropseed	<i>Sporobolus compositus</i> var. <i>drummondii</i>		tall	panicle	above	awnless	small	elongate	not hairy	Uncertain
earlyleaf brome	<i>Bromus latiglumis</i>	<i>Bromus altissimus</i> , <i>Bromus pungens</i>	tall	panicle	above	short	medium	elongate	hairy	Uncertain
eastern bottlebrush grass	<i>Elymus hystrix</i>	<i>Hystix patula</i>	tall	spike	above	long	medium	elongate	not hairy	Scarce
eastern	<i>Tripsacum</i>		tall	panicle of	below	awnless	large	elongate	not	abundant

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
gamagrass	<i>dactyloides</i>			branches					hairy	
false rhodegrass	<i>Trichloris crinita</i>	<i>Chloris crinata</i>	medium	panicle	above	short	medium	elongate	hairy	Scarce
Florida paspalum	<i>Paspalum floridanum</i>	<i>Paspalum difforme</i>	tall	panicle of branches	below	awnless	small	elongate	not hairy	Uncertain
foothill needlegrass	<i>Nassella lepida</i>	<i>Stipa lepida</i>	medium	panicle	above	long	medium	elongate	hairy	Moderate
fowl bluegrass	<i>Poa palustris</i>		tall	panicle	above	awnless	extra small	elongate	not hairy	Moderate
fowl mannagrass	<i>Glyceria striata</i>	<i>Glyceria elata</i>	medium	panicle	above	awnless	medium	elongate	not hairy	Moderate
fringed brome	<i>Bromus ciliatus</i>		tall	panicle	above	short	medium	elongate	hairy	Moderate
giant cutgrass	<i>Zizaniopsis miliacea</i>		tall	panicle	below	short	medium	elongate	not hairy	abundant
giant ricegrass, crested needlegrass	<i>Achnatherum coronatum</i>	<i>Stipa coronatum</i>	tall	panicle	above	long	medium	elongate	hairy	Moderate
giant sandreed	<i>Calamovilfa gigantea</i>	<i>Calamagrostis gigantea</i>	tall	panicle	above	awnless	small	elongate	hairy	Uncertain
giant wildrye	<i>Leymus condensatus</i>	<i>Elymus condensatus</i>	tall	spike	above	short	medium	elongate	not hairy	Moderate
Great Basin wildrye	<i>Leymus cinereus</i>	<i>Elymus cinereus</i>	tall	spike	above	short	medium	elongate	hairy	abundant
green needlegrass	<i>Nassella viridula</i>	<i>Stipa viridula</i>	medium	panicle	above	long	medium	elongate	hairy	Abundant
green	<i>Leptochloa dubia</i>	<i>Chloris dubia</i>	medium	panicle	above	awnless	small	elongate	not	moderate

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
sprangletop									hairy	
gulf bluestem	<i>Schizachyrium maritimum</i>		medium	spicate raceme	below	medium	medium	elongate	hairy	Scarce
gulf cordgrass	<i>Spartina spartinae</i>		tall	panicle of spicate primary branches	below	awnless	medium	elongate	hairy	scarce
gulfhairawn muhly	<i>Muhlenbergia sericea</i>	<i>Muhlenbergia filipes</i>	tall	panicle	above	long	extra small	elongate	not hairy	Uncertain
hairawn muhly	<i>Muhlenbergia capillaris</i>		medium	panicle	above	short	extra small	elongate	not hairy	abundant
hairy grama	<i>Bouteloua hirsuta</i>		short	panicle of spicate primary branches	above	short	small	elongate	hairy	Scarce
hairy wildrye	<i>Elymus villosus</i>	<i>Elymus arkansas</i>	tall	spike	above	medium	medium	elongate	hairy	Scarce
hairy woodland brome	<i>Bromus pubescens</i>	<i>Bromus purgans</i>	tall	panicle	above	short	medium	elongate	not hairy	Scarce
hooded windmill grass	<i>Chloris cucullata</i>		medium	panicle	above	short	medium	ovoid	not hairy	Uncertain
Idaho fescue	<i>Festuca idahoensis</i>		medium	panicle	above	short	small	elongate	not hairy	Abundant
indian ricegrass	<i>Achnatherum hymenoides</i>	<i>Oryzopsis hymenoides,</i>	medium	panicle	above	short	medium	ovoid	hairy	abundant

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
		<i>Stipa hymenoides</i>								
indian woodoats	<i>Chasmanthium latifolium</i>		tall	panicle	above	awnless	large	elongate	hairy	Abundant
indiangrass	<i>Sorghastrum nutans</i>		tall	panicle	below	medium	medium	elongate	hairy	Abundant
Jame's galleta	<i>Hilaria jamesii</i>	<i>Pleuraphis jamesii</i>	medium	panicle	below	short	medium	elongate	hairy	Abundant
Kentucky bluegrass	<i>Poa pratensis</i>		medium	panicle	above	awnless	extra small	elongate	hairy	Moderate
knotgrass	<i>Paspalum distichum</i>		medium	panicle of branches	below	awnless	small	elongate	not hairy	abundant
Lemmon's needlegrass	<i>Achnatherum lemmonii</i>	<i>Stipa lemmonii</i>	medium	panicle	above	medium	medium	elongate	hairy	Moderate
Letterman needlegrass	<i>Achnatherum lettermanii</i>	<i>Stipa lettermanii</i>	medium	panicle	above	medium	medium	elongate	hairy	Scarce
Lindheimer's muhly	<i>Muhlenbergia lindheimeri</i>		tall	panicle	above	awnless	extra small	elongate	not hairy	moderate
little bluestem	<i>Schizachyrium scoparium</i> var. <i>scoparium</i>	<i>Andropogon scoparius</i>	tall	spicate raceme	below	medium	small	elongate	hairy	Abundant
longleaf chasmanthium	<i>Chasmanthium sessiliflorum</i>		tall	panicle	above	awnless	large	ovoid	not hairy	Uncertain
longspike tridens	<i>Tridens strictus</i>		tall	panicle	above	awnless	extra small	elongate	hairy	Scarce
longtom	<i>Paspalum</i>	<i>Paspalum</i>	medium	panicle of	below	awnless	extra	ovoid	not	moderate

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
paspalum	<i>denticulatum</i>	<i>lividum</i>		branches			small		hairy	
lopsided indiangrass	<i>Sorghastrum secundum</i>		tall	panicle	below	long	small	elongate	hairy	Moderate
maidencane	<i>Panicum hemitomom</i>		medium	panicle	below	awnless	small	elongate	not hairy	Abundant
marsh muhly	<i>Muhlenbergia racemosa</i>		medium	panicle	above	short	extra small	elongate	not hairy	Scarce
meadow barley	<i>Hordeum brachyantherum</i>		medium	spicate raceme	below	short	small	elongate	not hairy	Abundant
Mesa dropseed	<i>Sporobolus flexuosus</i>		medium	panicle	above	awnless	extra small	ovoid	not hairy	moderate
Mexican muhly	<i>Muhlenbergia mexicana</i>		medium	panicle	above	short	small	elongate	hairy	abundant
Montana wheatgrass	<i>Elymus albicans</i>	<i>Agropyron albicans</i>	medium	spike	above	medium	large	elongate	not hairy	Scarce
mountain brome	<i>Bromus carinatus var. marginatus</i>	<i>Bromus breviaristatus, Bromus marginatus</i>	tall	panicle	above	short	large	elongate	hairy	abundant
mountain brome, California brome	<i>Bromus carinatus var. carinatus</i>	<i>Bromus carinatus</i>	medium	panicle	above	short	medium	elongate	hairy	Abundant
mountain muhly	<i>Muhlenbergia montana</i>		medium	panicle	above	short	extra small	elongate	hairy	moderate
multiflower false rhodegrass	<i>Trichloris pluriflora</i>	<i>Chloris pluriflora</i>	tall	panicle	above	medium	medium	elongate	not hairy	Moderate

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
mutton bluegrass	<i>Poa fendleriana</i>		medium	panicle	above	awnless	extra small	elongate	hairy	Moderate
needleandthread	<i>Hesperostipa comata</i> ssp. <i>comata</i>	<i>Stipa comata</i>	medium	panicle	above	medium	medium	elongate	hairy	Moderate
nodding brome	<i>Bromus anomalus</i>		medium	panicle	above	short	medium	elongate	hairy	Scarce
nodding fescue	<i>Festuca subverticillata</i>		medium	panicle	above	awnless	small	elongate	not hairy	Scarce
nodding needlegrass	<i>Nassella cernua</i>	<i>Stipa cernua</i>	medium	panicle	above	long	medium	elongate	hairy	Moderate
northern reedgrass	<i>Calamagrostis stricta</i>		medium	panicle	above	short	extra small	elongate	hairy	Scarce
nothern mannagrass	<i>Glyceria borealis</i>		tall	panicle	above	awnless	medium	elongate	not hairy	Scarce
oniongrass	<i>Melica bulbosa</i>		medium	panicle	above	awnless	medium	elongate	not hairy	Scarce
Pacific hairgrass	<i>Deschampsia cespitosa</i> ssp. <i>holciformis</i>	<i>Deschampsia holciformis</i>	tall	panicle	above	short	extra small	elongate	hairy	Scarce
pale false mannagrass	<i>Torreyochloa pallida</i> var. <i>pauciflora</i>	<i>Puccinelia pauciflora</i>	tall	panicle	above	awnless	extra small	elongate	not hairy	Uncertain
pine dropseed	<i>Blepharoneuron tricholepis</i>	<i>Vilfa tricholepis</i>	medium	panicle	above	awnless	extra small	elongate	hairy	moderate
pine reedgrass	<i>Calamagrostis rubescens</i>		medium	panicle	above	short	extra small	elongate	hairy	Abundant

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
pineywoods dropseed	<i>Sporobolus junceus</i>		medium	panicle	above	awnless	extra small	elongate	not hairy	Uncertain
plains bristlegrass	<i>Setaria leucopila</i>	<i>Chaetochloa leucopila</i>	medium	panicle	below	medium	small	ovoid	not hairy	Scarce
plains lovegrass	<i>Eragrostis intermedia</i>		medium	panicle	above	awnless	extra small	elongate	not hairy	Scarce
plains muhly	<i>Muhlenbergia cuspidata</i>		short	panicle	above	short	extra small	elongate	hairy	Uncertain
porcupine needlegrass	<i>Hesperostipa spartea</i>	<i>Stipa spartea</i>	tall	panicle	above	medium	medium	elongate	hairy	Scarce
prairie cordgrass	<i>Spartina pectinata</i>		tall	panicle of spicate primary branches	below	awnless	medium	elongate	not hairy	Moderate
prairie dropseed	<i>Sporobolus heterolepis</i>		medium	panicle	above	awnless	extra small	ovoid	not hairy	abundant
prairie junegrass	<i>Koeleria macrantha</i>	<i>Koeleria cristata</i>	medium	panicle	above	awnless	extra small	elongate	not hairy	Abundant
prairie sandreed	<i>Calamovilfa longifolia</i>		tall	panicle	above	awnless	small	elongate	hairy	Abundant
prairie wedgegrass	<i>Sphenopholis obtusata</i>		medium	panicle	below	awnless	medium	elongate	not hairy	Scarce
purple bluestem	<i>Andropogon glomeratus</i> var. <i>glaucoptis</i>	<i>Andropogon glaucoptis</i>	tall	panicle of branches	below	medium	medium	elongate	hairy	Moderate

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
purple lovegrass	<i>Eragrostis spectabilis</i>	<i>Poa spectabilis</i>	medium	panicle	above	awnless	extra small	ovoid	not hairy	Moderate
purple muhly	<i>Muhlenbergia rigida</i>		medium	panicle	above	awnless	extra small	elongate	not hairy	not available
purple needlegrass	<i>Nassella pulchra</i>	<i>Stipa pulchra</i>	medium	panicle	above	long	medium	elongate	hairy	Moderate
purple oniongrass	<i>Melica spectabilis</i>		medium	panicle	above	awnless	small	elongate	not hairy	Scarce
purple reedgrass	<i>Calamagrostis purpurascens</i>		medium	panicle	below	short	extra small	elongate	hairy	Uncertain
purpletop tridens	<i>Tridens flavus</i>		tall	panicle	above	short	small	elongate	hairy	Moderate
rattlesnake mannagrass	<i>Glyceria canadensis</i>	<i>Panicularia canadensis</i>	medium	panicle	above	awnless	medium	elongate	not hairy	Abundant
red fescue	<i>Festuca rubra</i>		medium	panicle	above	short	small	elongate	not hairy	Uncertain
red threeawn	<i>Aristida purpurea</i> var. <i>longiseta</i>		short	panicle	above	long	small	elongate	hairy	Moderate
reed canarygrass	<i>Phalaris arundinacea</i>		tall	panicle	above	awnless	small	elongate	hairy	abundant
riverbank wildrye	<i>Elymus riparius</i>		tall	spike	above	medium	medium	elongate	hairy	Abundant
Rothrock's grama	<i>Bouteloua barbata</i> var. <i>rothrockii</i>	<i>Bouteloua rothrockii</i>	medium	panicle of spicate primary branches	above	short	small	irregular	hairy	Scarce
rough bentgrass	<i>Agrostis scabra</i>		medium	panicle	above	short	extra	elongate	not	Scarce

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
							small		hairy	
rough dropseed, tall dropseed	<i>Sporobolus compositus</i> var. <i>compositus</i>	<i>Sporobolus asper</i> var. <i>asper</i>	tall	panicle	above	awnless	small	elongate	not hairy	Moderate
rough fescue	<i>Festuca campestris</i>	<i>Festuca scabrella</i>	medium	panicle	above	short	medium	elongate	hairy	Scarce
roughleaf ricegrass	<i>Oryzopsis asperifolia</i>		medium	panicle	above	short	medium	elongate	hairy	Scarce
saline wildrye	<i>Leymus salina</i>		medium	spike	above	short	small	elongate	not hairy	scarce
saltgrass	<i>Distichlis spicata</i>	<i>Distichlis stricta</i>	short	panicle	above	awnless	small	elongate	not hairy	Abundant
sand bluestem	<i>Andropogon hallii</i>	<i>Andropogon gerardii</i> var. <i>chrysocomus</i>	tall	panicle of branches	below	short	medium	elongate	hairy	Moderate
sand cordgrass	<i>Spartina bakeri</i>		tall	panicle of spicate primary branches	below	awnless	medium	elongate	not hairy	Abundant
sand dropseed	<i>Sporobolus cryptandrus</i>		medium	panicle	above	awnless	extra small	ovoid	not hairy	Abundant
sand lovegrass	<i>Eragrostis trichodes</i>	<i>Eragrostis pilifera</i>	medium	panicle	above	awnless	extra small	elongate	not hairy	Abundant

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
Sandberg bluegrass	<i>Poa secunda</i>	<i>Poa sandbergii</i> , <i>Poa nevadensis</i> , <i>P. juncifolia</i> , <i>Poa gracillima</i> , <i>Poa scrabrella</i>	short	panicle	above	awnless	extra small	elongate	not hairy	abundant
sandhill muhly	<i>Muhlenbergia pungens</i>		medium	panicle	above	short	small	elongate	not hairy	Scarce
scratchgrass	<i>Muhlenbergia asperifolia</i>	<i>Sporobolus asperifolia</i>	medium	panicle	above	short	extra small	elongate	not hairy	Scarce
seashore bentgrass	<i>Agrostis pallens</i>	<i>Agrostis diegoensis</i> , <i>Agrostis lepida</i>	medium	panicle	above	awnless	extra small	elongate	not hairy	Moderate
seashore paspalum	<i>Paspalum vaginatum</i>		medium	panicle of branches	below	awnless	small	elongate	not hairy	abundant
seep muhly	<i>Muhlenbergia reverchonii</i>		medium	panicle	above	short	extra small	elongate	hairy	uncertain
shore little bluestem	<i>Schizachyrium littorale</i>	<i>Andropogon littoralis</i>	tall	spicate raceme	below	medium	medium	elongate	hairy	Scarce
shortbeard plumegrass	<i>Saccharum brevibarbe</i> var. <i>contortum</i>	<i>Erianthus brevibarbe</i> var. <i>contortum</i>	tall	panicle	below	medium	medium	elongate	hairy	Uncertain

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
shortspike bluestem	<i>Andropogon brachystachyus</i>		tall	panicle of branches	above	medium	medium	elongate	hairy	Scarce
shortspike windmill grass	<i>Chloris xsubdolichostachya</i>	<i>Chloris latisquamea</i>	medium	panicle of spicate primary branches	above	awnless	extra small	elongate	not hairy	Moderate
sideoats grama	<i>Bouteloua curtipendula</i> var. <i>curtipendula</i>		medium	panicle of spicate primary branches	below	short	medium	elongate	not hairy	Abundant
slender chasmanthium	<i>Chasmanthium laxum</i>	<i>Uniola laxa</i>	tall	panicle	above	awnless	large	ovoid	not hairy	Abundant
slender grama	<i>Bouteloua repens</i>	<i>Bouteloua filiformis</i>	medium	panicle of spicate primary branches	below	short	small	elongate	not hairy	Moderate
slender hairgrass	<i>Deschampsia elongata</i>	<i>Aira elongata</i>	medium	panicle	above	short	extra small	elongate	hairy	Abundant
slender wheatgrass	<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	<i>Agropyrum trachycaulum</i>	medium	spike	above	short	medium	elongate	not hairy	moderate
smallflower melicgrass	<i>Melica imperfecta</i>		medium	panicle	above	awnless	small	elongate	not hairy	Scarce
smooth cordgrass	<i>Spartina alterniflora</i>		tall	panicle of spicate primary	below	awnless	large	elongate	not hairy	abundant

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
				branches						
Snake river wheatgrass	<i>Elymus wawawaiensis</i>		tall	spike	above	medium	medium	elongate	not hairy	Moderate
spidergrass	<i>Aristida ternipes</i>		medium	panicle	above	medium	small	elongate	not hairy	Moderate
spike bentgrass	<i>Agrostis exarata</i>		medium	panicle	above	short	extra small	elongate	not hairy	Moderate
spike muhly	<i>Muhlenbergia wrightii</i>		medium	panicle	above	short	extra small	elongate	hairy	abundant
spike trisetum	<i>Trisetum spicatum</i>		medium	panicle	above	short	extra small	elongate	not hairy	abundant
spiked muhly	<i>Muhlenbergia glomerata</i>		medium	panicle	above	short	small	elongate	hairy	abundant
squirreltail	<i>Elymus elymoides</i>	<i>Sitanion hystrix</i>	short	spike	below	long	medium	elongate	hairy	Moderate
sweet woodreed	<i>Cinna arundinacea</i>		tall	panicle	below	short	medium	elongate	not hairy	Uncertain
switchgrass	<i>Panicum virgatum</i>		tall	panicle	below	awnless	small	elongate	not hairy	abundant
tall mannagrass	<i>Glyceria elata</i>		tall	panicle	above	awnless	medium	elongate	not hairy	Moderate
tapered rosette grass	<i>Dichanthelium acuminatum</i>		medium	panicle	below	awnless	small	ovoid	hairy	Uncertain
Texas cupgrass	<i>Eriochloa sericea</i>		medium	panicle	below	awnless	medium	elongate	not	Uncertain

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
									hairy	
Texas dropseed	<i>Sporobolus texanus</i>		medium	panicle	above	awnless	extra small	elongate	not hairy	Scarce
Texas grama	<i>Bouteloua rigidiseta</i>		short	panicle of spicate primary branches	below	medium	small	elongate	not hairy	uncertain
thickspike wheatgrass	<i>Elymus lanceolatus</i>		medium	spike	above	short	medium	elongate	hairy	Moderate
thin paspalum	<i>Paspalum setaceum</i>	<i>Paspalum bushii</i>	medium	panicle of branches	below	awnless	small	ovoid	not hairy	Scarce
threeflower melicgrass	<i>Melica nitens</i>		tall	panicle	below	awnless	medium	elongate	not hairy	Scarce
Thurber's fescue	<i>Festuca thurberi</i>		medium	panicle	above	awnless	small	elongate	not hairy	Moderate
Thurber's needlegrass	<i>Achnatherum thurberianum</i>	<i>Stipa thurberiana</i>	medium	panicle	above	long	medium	elongate	hairy	Scarce
timber oatgrass	<i>Danthonia intermedia</i>		medium	panicle/racemes	above	short	small	elongate	not hairy	Uncertain
tobosa	<i>Hilaria mutica</i>	<i>Pleuraphis mutica</i>	medium	panicle	below	awnless	medium	elongate	hairy	Scarce
toothache grass	<i>Ctenium aromaticum</i>		tall	panicle of 1 spicate primary branch	above	short	medium	elongate	hairy	Uncertain

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
tufted hairgrass, bunched hairgrass	<i>Deschampsia cespitosa</i>		medium	panicle	above	awnless	extra small	elongate	not hairy	Abundant
upland bentgrass	<i>Agrostis perennans</i>	<i>Agrostis altissima</i>	tall	panicle	above	awnless	extra small	elongate	not hairy	Scarce
velvet rosettegrass	<i>Dichanthelium scoparium</i>		tall	panicle	below	awnless	small	ovoid	hairy	Scarce
vine mesquite	<i>Panicum obtusum</i>		medium	panicle	below	awnless	medium	elongate	not hairy	Abundant
Virginia wildrye	<i>Elymus virginicus</i>		medium	spike	below	medium	large	elongate	not hairy	abundant
wavy hairgrass	<i>Deschampsia flexuosa</i>		medium	panicle	above	short	small	elongate	hairy	Scarce
western fescue	<i>Festuca occidentalis</i>		medium	panicle	above	short	small	elongate	not hairy	Moderate
western needlegrass	<i>Achnatherum occidentale</i>		medium	panicle	above	long	small	elongate	hairy	Moderate
western rosettegrass	<i>Dichanthelium acuminatum</i> ssp. <i>fasciculatum</i>	<i>Dichanthelium lanuginosum</i>	medium	panicle	below	awnless	small	ovoid	not hairy	Scarce
western wheatgrass	<i>Pascopyrum smithii</i>	<i>Agropyron smithii, Elymus smithii</i>	medium	spike	above	short	medium	elongate	not hairy	Abundant
whiplash pappusgrass	<i>Pappophorum vaginatum</i>		tall	panicle	above	short	medium	elongate	hairy	Scarce

Common Name	Scientific Name	Alternative Name	Height	Inflorescence	Disarticulation	Awn length	Seed size	Seed shape	Seed hairs	Seed availability
white grass	<i>Leersia virginica</i>		tall	panicle	below	short	medium	elongate	hairy	moderate
winter bentgrass	<i>Agrostis hyemalis</i>	<i>Agrostis antecedens</i>	tall	panicle	above	awnless	extra small	elongate	hairy	Moderate
wiregrass	<i>Aristida stricta</i>		tall	panicle	above	medium	small	elongate	not hairy	Scarce
wrinkled jointgrass	<i>Coelorachis rugosa</i>	<i>Manisuris rugosa</i> , <i>Mnesithea rugosa</i>	medium	spicate raceme	below	awnless	small	elongate	not hairy	Uncertain

Legend for Appendix C

Grass Height:	Short	18 inches or less
	Medium	Greater than 18 inches and less than or equal to 42 inches
	Tall	Grater than 42 inches
Awn Size:	Awnless	No awns
	Short awn	10 millimeters or less
	Medium awn	Greater than 10 millimeters and less than 30 millimeters
	Long awn	Greater than or equal to 30 millimeters
Seed size:	Extra small	Grasses with more than 1 million seeds per pound
	Small	Grasses with more than 250,000 and less than 1 million seeds per pound
	Medium	Grasses with more than 100,000 and less than 250,000 seeds per pound
	Large	Grasses with less than 100,000 seeds per pound