

CONSERVATION COVER

(Acre)
Code 327

Appendix 1 - Planting rates for drill or broadcast seeding and sprigging in Texas, Zone 5

PERENNIAL GRASSES <small>1/, 4/ (Continued)</small>																			
Name	Variety	Seeding rates are pounds pure live seed (PLS) per acre <small>3/, 6/</small>	Native (N) or Introduced (I)	Season of growth	Adaptation by Major Land Resource Areas								Seeding Guidance Maximum Seeding Dates <small>7/, 8/</small>	Adapted Plants by Soil Groups <small>9/</small>					Comments
					78C	78D	80A	80B	84B	84C	85	86A		Coarse	Moderately Coarse	Medium	Moderately Fine	Fine	
Grama: sideoats	El Reno, Haskell, Vaughn, Niner	4.5	N	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Green sprangletop		1.7	N	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Indiangrass: yellow	Cheyenne, Lometa	4.5	N	W	X	X	X	X	X	X	X	X	X	X	X	X	X		Forage will be produced, but seed may not be produced each year.
Johnsongrass		10.0	I	W	X	X	X	X	X	X	X	X	X	X	X	X	X		Cover depth is 1/4 to 1/2 inches.
Kleingrass	Selection-75	1.5	I	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Kleingrass	Verde	1.7	I	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Lovegrass: lehman		1.5	I	W	X	X													
Lovegrass: weeping	common, Ermelo	1.5	I	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Lovegrass: wilman	common, Palar	1.5	I	W	X	X	X	X	X	X	X	X	X	X	X	X	X		Only plant south of the Knox to Fannin Conty line.
Lovegrass: sand, sandhill	common, Mason	1.5	N	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Panicum: blue		2.0	I	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Sacaton: alkali, big	common, Salado, Saltalk	1.0	N	W	X	X	X	X		X					X	X	X		Adapted to saline sites.
Sorghum alnum		12.0	I	W	X	X	X	X	X	X	X	X	X	X	X	X	X		Cover depth is 1/4 to 1/2 inches.
Switchgrass	Alamo	2.0	N	W	X	X	X	X	X	X	X	X	X	X	X	X	X		Forage will be produced, but seed may not be produced each year.
Switchgrass	Blackwell, Caddo, Kanlow, local harvest	3.5	N	W	X	X	X	X	X	X	X	X	X	X	X	X	X		Forage will be produced, but seed may not be produced each year.
Vine-mesquite		6.0	N	W	X	X	X	X	X	X	X	X	X	X	X	X	X		
Wheatgrass: tall	Jose, Largo	12.0	I	C	X	X	X	X	X	X	X	X	X	X	X	X	X		In areas that receive less than 28" of annual precipitation, use on subirrigated sites, or sites that receives extra runoff. Cover depth is 1/4 to 1/2 inches.
Wheatgrass: western	Arriba, Barton, common	7.0	N	C	X	X	X	X							X	X	X	X	Cover depth is 1/4 to 1/2 inches.

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					78C	78D	80A	80B	84B	84C	85	86A	Maximum Seeding Dates 7/, 8/	Coarse	Moderately Coarse	Medium	Moderately Fine		Fine	
Alfalfa		20.0	I	W	X	X	X	X	X	X	X	X	X	X	8/15 - 11/1	X	X	X	X	Pounds of commercial seed.
Awnless bushsunflower		2.6	N	W	X	X	X	X	X	X	X	X	X	X	12/15 - 5/15		X	X		
Engelmann daisy		15.0	N	C	X	X	X	X	X	X	X	X	X	X	8/15 - 11/1			X	X	X
Fourwing saltbush		15.5	N	W	X	X	X	X							12/15 - 5/15	X	X	X	X	
Gayfeather: dotted		10.0	N	W	X	X	X	X	X	X	X	X	X	X	12/15 - 5/15		X	X	X	X
Illinois bundleflower		13.6	N	W	X	X	X	X	X	X	X	X	X	X	12/15 - 5/15	X	X	X	X	X
Maximilian sunflower		3.0	N	W	X	X	X	X	X	X	X	X	X	X	12/15 - 5/15			X	X	X
Menodora: rough, showy		8.0	N	W	X	X	X	X	X	X					12/15 - 5/15		X	X	X	X
Orange zexmenia		3.4	N	W	X	X	X	X	X	X					12/15 - 5/15	X	X	X	X	
Perennial peanut, rhizomes		40 bu	I	W						X	X				12/15 - 5/15	X	X	X		Cover depth is 1 to 3 inches.
Prairieclover: purple		3.0	N	W	X	X	X	X	X	X	X				12/15 - 5/15		X	X	X	X
Prairieclover: white		2.0	N	W	X	X	X	X	X	X	X				12/15 - 5/15		X	X	X	X
Western ragweed		7.5	N	W	X	X	X	X	X	X	X				12/15 - 5/15	X	X	X	X	X

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					78C	78D	80A	80B	84B	84C	85	86A	Maximum Seeding Dates 7/, 8/	Coarse	Moderately Coarse	Medium	Moderately Fine		Fine	
Barley		40.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Forage Sorghum: grass types		10.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Forage Sorghum: others		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Grain Sorghum		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Hegari		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15			X	X	X	Cover depth is 1/2 to 1.0 inches.
Millet: browntop		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Millet: foxtail		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15	X	X	X	X		Cover depth is 1/2 to 1.0 inches.
Millet: japanese		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15			X	X	X	Cover depth is 1/2 to 1.0 inches.
Millet: pearl		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Millet: proso		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Oats		40.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Rye		40.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Speltz		40.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Triticale		40.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1		X	X	X	X	Cover depth is 1/2 to 1.0 inches.
Wheat		40.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1		X	X	X	X	Cover depth is 1/2 to 1.0 inches.

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					78C	78D	80A	80B	84B	84C	85	86A	Maximum Seeding Dates ^{7/, 8/}	Coarse	Moderately Coarse	Medium	Moderately Fine	Fine					
Alyceclover		3.0	I	C						X	X					8/15 - 11/1							
Barrel medic	Jemalong, Parabinga	6.0	I	C						X	X	X	X			8/15 - 11/1			X	X	X		
Black medic		3.3	I	C						X	X	X	X			8/15 - 11/1			X	X	X		
Bur medic: burs		39.0	I	C						X	X	X	X			8/15 - 11/1		X	X	X	X		
Bur medic: grain	Armadillo	5.0	I	C						X	X	X	X			8/15 - 11/1		X	X	X	X		
Button medic		6.0	I	C						X	X	X	X			8/15 - 11/1			X	X	X		
Clover: arrowleaf		10.0	I	C						X	X	X				8/15 - 11/1			X	X	X		
Clover: ball		3.0	I	C						X	X		X			8/15 - 11/1			X	X	X		
Clover: berseem		4.2	I	C						X	X		X			8/15 - 11/1			X	X	X		
Clover: button		5.7	I	C						X	X		X			8/15 - 11/1			X	X	X		
Clover: crimson		5.8	I	C						X	X		X			8/15 - 11/1			X	X	X		
Clover: hop		1.0	I	C						X	X		X			8/15 - 11/1				X	X		
Clover: persian		1.4	I	C						X			X			8/15 - 11/1				X	X		
Clover: red		3.2	I	C						X	X		X			8/15 - 11/1		X	X	X			
Clover: rose		5.2	I	C						X	X		X			8/15 - 11/1				X	X		
Clover: subterranean		16.0	I	C						X	X		X			8/15 - 11/1				X	X		
Clover: white		1.0	I	C						X	X	X				8/15 - 11/1				X	X		
Cowpeas		30.0	I	W	X	X	X	X	X	X	X	X	X	X		3/15 - 8/15		X	X	X	X		Pounds of commercial seed. Cover depth is 1/2 to 1.0 inches.
Guar		56.0	I	W	X	X	X	X	X	X	X	X	X	X		3/15 - 8/15		X	X	X			Pounds of commercial seed. Cover depth is 1/2 to 1.0 inches.
Partridge pea		13.4	N	W	X	X	X	X	X	X	X	X	X	X		12/15 - 5/15	X	X	X	X			
Purplebean	Siratro, DQ Pea	27.0	I	W						X	X		X			12/15 - 5/15			X	X	X		
Sesame		5.3	I	W	X	X	X	X	X	X	X	X	X	X		8/15 - 11/1			X	X	X		
Singletary pea		35.0	I	C	X	X	X	X	X	X	X	X	X	X		8/15 - 11/1			X	X	X		
Sunflower		5.0	N	W	X	X	X	X	X	X	X	X	X	X		12/15 - 5/15	X	X	X	X	X		
Sunflower	Perodovic	15.0	I	W	X	X	X	X	X	X	X	X	X	X		12/15 - 5/15	X	X	X	X	X		Pounds of commercial seed.

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					78C	78D	80A	80B	84B	84C	85	86A	Maximum Seeding Dates 7/, 8/	Coarse	Moderately Coarse	Medium	Moderately Fine	Fine	
					X	X	X	X	X	X	X	X							
Sweetclover: annual		10.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1	X	X	X	X	
Sweetclover: biennial		10.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1	X	X	X	X	
Vetch: hairy		15.0	I	C	X	X	X	X	X	X		X		8/15 - 11/1	X	X	X	X	
Winterpeas: austrian		35.0	I	C	X	X	X	X	X	X		X		8/15 - 11/1	X	X	X	X	

FOOTNOTES

- 1/ Species are listed by common name and where applicable by released cultivar or variety. Planting rates are shown either as by PLS or commercial rates.
- 2/ Conversion factors: 3.5 bushels of tops = 1 bale; 7 bushels of sprigs = 1 bale; 1.25 cubic feet = 1 bushel; 15 pounds = 1 bushel.
- 3/ PLS = Pure Live Seed. To compute PLS from seed analysis information: Percent PLS = (% germination + % hard [dormant] seed) X % purity. Seeding rate in PLS pounds divided by % PLS will give you the bulk seeding rate needed to get the right amount of pure live seed.
- 4/ Local harvest may be used when seeding species of unknown or common variety, or natural stands. Local harvested seed should have its geographic origin within 200 miles north, 300 miles south, 100 miles east and 200 miles west of the site where it will be planted. It is also desirable that locally harvested seed be used on soils of the same texture as soils where seed was harvested.
- 5/ The TZ (tetrazolium salt) test can be used for the germination factor in figuring PLS if the dealer furnishes the seed tag or other proof the test was run by a reputable seed lab.
- 6/ Drill planting is defined as rows spaced less than 20 inches apart. Row planting rates will be 1/3 of drill rates.
- 7/ The optimum planting date for warm season grasses and legumes is 1/15 - 4/15 and 9/1 - 10/15 for cool season grasses and legumes. The optimum planting date for warm season annuals is 4/1 - 6/1 and 9/1 -10/15 for cool season annuals.
- 8/ The optimum planting depth for all species is 1/8 to 1/4 inch unless it is otherwise noted for the individual specie.
- 9/ Soil groups are based on the following textures: **Coarse** - Coarse sand, Sand, Fine sand, Very fine sand, Loamy coarse sand, Loamy sand, Loamy fine sand and Loamy very fine sand; **Moderately Coarse** - Sandy loam, Coarse sandy loam and fine sandy loam; **Medium** - Very fine sandy loam, Loam, Silt loam and silt; **Moderately Fine** - Clay loam, Sandy clay loam and Silty clay loam; **Fine** - Sandy clay, silty clay and clay.