

COVER CROP

(Acre)
Code 340

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

LEGUMES ^{1/, 3/}																				
Name	Variety	Seeding rates are pounds pure live seed (PLS) per acre ^{2/, 4/}	Native (N) or Introduced (I)	Season of growth	Adaptation by Major Land Resource Areas								Seeding Guidance Maximum Seeding Dates ^{5/, 6/}	Adapted Plants by Soil Groups ^{7/}				Comments		
					78C	78D	80A	80B	84B	84C	85	86A		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. Moderately deep to deep, loamy, well drained soils with a pH of 6.5 or greater.
Clover: rose	Overton R18	10.0	I	C					X	X	X	X			8/15 - 11/1	X	X	X	X	Adapted to most soils with a pH of 5.5 to 7.0. Good cold tolerance.
Cowpeas	Clay, Iron	40.0	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. Adapted to well drained soils with a pH of 5.5 to 7.0. Drought tolerant.
Guar		15.0	I	W	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. Adapted to well drained soils with a pH of 5.5 to 7.0. Drought tolerant.
Prairieclover: purple		3.0	N	W	X	X	X	X	X	X	X	X			12/15 - 5/15		X	X	X	Grows on soils ranging from clay loams to sands. Has moderate drought tolerance.
Prairieclover: white		2.0	N	W	X	X	X	X	X	X	X	X			12/15 - 5/15		X	X	X	Grows well on high pH soils. May cause bloat.
Sesame		5.3	I	W	X	X	X	X	X	X	X	X			3/15 - 8/15			X	X	
Singleary pea		35.0	I	C	X	X	X	X	X	X	X	X			8/15 - 11/1			X	X	Adapted to loamy to clayey soils with a pH of 5.5 to 8.0. Fair cold tolerance. Will tolerate soils with poor drainage.
Sweetclover: biennial		10.0	I	C	X	X	X	X	X	X	X	X			8/15 - 11/1		X	X	X	Adapted to well drained clay to clay loam soils. Optimum pH is 6.5 to 7.5.
Vetch: hairy		20.0	I	C	X	X	X	X	X	X	X	X			8/15 - 11/1		X	X	X	Adapted to well drained clay to clay loam soils. Optimum pH is 5.0 to 8.0. Has late maturity, low bloat potential and good cold tolerance.
Winterpeas: austrian		35.0	I	C	X	X	X	X	X	X	X	X			8/15 - 11/1		X	X	X	Adapted from loam to sandy loam soils with a pH of 6.0 to 8.0. Best used with small grain for silage. Does not tolerate grazing well.

COVER CROP

(Acre)
Code 340

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

ANNUAL GRASSES <small>1/, 3/</small>																				
Name	Variety	Seeding rates are pounds commercial seed per acre ^{4/}	Native (N) or Introduced (I)	Season of growth	Adaptation by Major Land Resource Areas								Seeding Guidance	Adapted Plants by Soil Groups ^{7/}				Comments		
					78C	78D	80A	80B	84B	84C	85	86A		Maximum Seeding Dates ^{5/, 6/}	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	X	Cover depth is 1/2 to 1.0 inches. Is sensitive to poorly drained soils. Moderate drought tolerance.
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	X	Cover depth is 1/2 to 1.0 inches. Nitrate or prussic acid can occur in some circumstances.
Forage Sorghum: others		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15	X	X	X	X	X	Same as above.
Grain Sorghum		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15	X	X	X	X	X	Same as above.
Hegari		15.0	I	W	X	X	X	X	X	X	X	X	X	3/15 - 8/15			X	X	X	Same as above.
	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. Adapted to a wide range of soils, but does not do well on calcareous soils. Acceptable hay for horses.
	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. Adapted to a wide range of soils, but performs best on loamy sites. Can cause kidney and joint problems in horses.
	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. Used primarily for wildlife and is adapted to wet soils.
	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. Good for hay or silage, but not as drought tolerant as forage sorghums.
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. Used primarily for wildlife food plots. Matures in about sixty days after emergence.
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. Provides early fall grazing, but is not drought tolerant.
Rye		40.0	I	C	X	X	X	X	X	X	X	X	X	8/15 - 11/1	X	X	X	X	X	Cover depth is 1/2 to 1.0 inches. Provides early fall grazing, and prefers sandy to loamy soils.
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. Cross between wheat and rye. Optimum pH range is 5.0 to 7.5.
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. Good cold and drought tolerance. Optimum pH range is 5.5 to 8.0.

COVER CROP

(Acre)

Code 340

Appendix 1 - Planting rates for drill or broadcast seeding in Texas, Zone 5**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/ 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. |
| 3/ 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. |
| 4/ Drill planting is defined as rows spaced less than 20 inches apart. Row planting rates will be 1/3 of drill rates. |
| 5/ The optimum planting date for warm season legumes is 1/15 - 4/15 and 9/1 - 10/15 for cool season legumes. The optimum planting date for warm season annuals is 4/1 - 6/1 and 9/1 -10/15 for cool season annuals. |
| 6/ The optimum planting depth for all species is 1/8 to 1/4 inch unless it is otherwise noted for the individual specie. |
| 7/ 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. For site specific guidance on all plantings, refer to the appropriate ecological site description, pastureland suitability group, other technical guidance if needed, and the appropriate Zone or Field specialist. |