

FY 2017 EQIP Approved Planting Mixtures for Wildlife Habitat

A site- and species-specific wildlife habitat mixture is preferred for all EQIP applications. If no such plan has been approved by the NRCS area biologist or NRCS partner biologist, conservation planners must follow these seed mixtures to address limiting habitat factors identified in the TN NRCS Wildlife Habitat Appraisal Guide (WHAG).

NATIVE WARM SEASON GRASS MIXTURES			
	Seed or Plants	Seeding Rate (per acre)	Seeding Dates
Shortgrass	Little bluestem	3.0 lbs PLS	February 1-June 1
	Sideoats grama	1.0 lbs PLS	
	Switchgrass	0.5 lbs PLS	
	≥ 5 native forbs from list	2.0 lbs PLS	
NOTE: Blackwell variety of switchgrass is an excellent shorter variety but is not be adapted to wetter sites. Also partridge pea (10 oz), purple coneflower (12 oz), Illinois bundleflower (3 oz), Gray-headed coneflower (4 oz), and black-eyed Susan (3 oz) are very compatible forbs with these grasses.			

	Seed or Plants	Seeding Rate (per acre)	Seeding Dates
Tallgrass	Little bluestem	2.5 lbs PLS	February 1-June 1
	Virginia Wildrye	1.0 lbs PLS	
	Big bluestem	0.5 lbs PLS	
	Indiangrass	0.5 lbs PLS	
	≥ 5 native forbs from list	2.0 lbs PLS	
NOTE: Partridge pea (10 oz), purple coneflower (10 oz), Illinois bundleflower (4 oz), False sunflower (4 oz), and Black-eyed susan (4 oz) are very compatible forbs with these grasses.			

FORBS		
Black-eyed susan	Pale purple coneflower	Illinois bundleflower
Purple coneflower	Lance-leaved coreopsis	False sunflower
Partridge pea	Tick-trefoil (<i>Desmodium sp.</i>)	Maximillian sunflower
Gray-headed coneflower	Purple prairieclover	Pale purple coneflower
Blue wild indigo		

SHRUBS			
Crabapple, southern	Dogwood, silky	Sumac, smooth	Elderberry
Plum, American	Viburn, mapleleaf	Sumac, winged	Hazelnut
Plum, Chickasaw	Sumac, staghorn	American beautyberry	Allegheny chinkapin
Indigobush	Sumac, fragrant	Blue wild indigo ¹	

¹Blue wild indigo is a forb but provides shrubby structure and may be used as a shrub.

TREES		
WHITE OAK GROUP		
Bur	Shingle	Swamp chestnut
Swamp white	Chestnut	Post
Overcup	White	
RED OAK GROUP		
Black	Northern red	Willow
Pin	Southern red	Nuttall
Water	Laurel	Shumard
Cherrybark	Chinkapin	
OTHER HARDMAST		
Hickory, shagbark	Hickory, mockernut	Chestnut, American (hybrid)
Hickory, shellbark	Pecan, native sweet	American beech
SOFT MAST TREES		
Flowering dogwood	Black cherry	Washington hawthorn
Blackgum	Eastern Redbud	Persimmon
Mulberry, red	Pawpaw	
PINE		
Shortleaf (<i>Pinus echinata</i>)	White pine	

POLLINATOR MIX			
Species	Seeding Rate (per acre)	Bloom Period	Planting Date
Little bluestem	1.5 lbs. PLS		February 1- June 1
Sideoats grama	1.0 lb. PLS		
Lanceleaf coreopsis	3 oz.	spring, mid-summer	
Purple prairieclover	2 oz.	spring, mid-summer	
Illinois bundleflower	2 oz.	spring, mid-summer	
Purple coneflower	6 oz.	late spring, summer, fall	
False sunflower	3 oz.	late spring, summer, fall	
Gray-headed coneflower	3 oz.	late spring, summer, fall	
Black-eyed susan	6 oz.	late spring, summer, fall	
Partridge pea	5 oz.	summer, fall	
Rigid goldenrod	2 oz.	late summer, fall	

POLLINATOR SHRUBS			
<i>(select ≥ 3 species, only 1 sumac allowed)</i>			
Species	Bloom Period	Shade Tolerance	Site Condition Range*
Crabapple	spring	full sun	moist, well drained
Dogwood, silky	spring	shade tolerant	moist to poorly drained
Plum, Chickasaw	spring	shade tolerant	dry, well drained
Plum, American	spring	shade tolerant	moist, well drained
Chinkapin, Allegheny	late spring	partial shade	dry, well drained
Indigobush	late spring	full sun	moist to mod. well drained
Sumac, fragrant	late spring	partial shade	dry, well drained
Beautyberry, American	summer	partial shade	moist to mod. well drained
Elderberry	summer	partial shade	moist, poorly drained
Sumac, winged	summer	full sun	dry, well drained
Sumac, staghorn	summer	shade tolerant	dry, well drained
Sumac, smooth	summer	full sun	dry, well drained
Viburnum, mapleleaf	summer	shade tolerant	moist, well drained to dry
<i>*Moist = wetter than moderately well drained soils; good moisture holding capacity but generally not hydric.</i>			
<i>Dry = Drier than a well-drained soil; tending toward droughty.</i>			
<i>Poorly drained = generally a hydric soil due to persistent high water table.</i>			
<i>Somewhat poorly drained = Wetness limited soil (2w or 3w) but not hydric</i>			

PERENNIAL FOOD PLOT

	Species	Seeding Rate (per acre)	Seeding Dates
Dry Site Mixture	Red Clover	7.0 lbs	February 20 - April 1 or August 15 - October 1
	Chicory	2.0 lbs	
	Crimson Clover	5.0 lbs	
	Winter Wheat	25.0 lbs	
Moist Site Mixture	Ladino Clover	4.0 lbs	February 20 - April 1 or August 15 - October 1
	Alsike Clover	5.0 lbs	
	Berseem Clover	5.0 lbs	
	Winter Wheat	25.0 lbs	

PERENNIAL FIRE BREAK

Species	Seeding Rate (per acre)	Seeding Dates
Ladino Clover	4.0 lbs	February 20 - April 1 or August 15 - October 1
Red Clover	8.0 lbs	
Winter Wheat or Oats	35.0 lbs	

TEMPORARY COVER			
	Seed or Plants	Seeding Rate (per acre)	Seeding Dates
SUMMER			
Full	Millet, browntop	25-40 lbs	May 1-July 1
Mix	Millet, browntop	20 lbs	May 1-July 1
	Millet, proso	20 lbs	
Mix	Millet, browntop	20 lbs	May 1-July 1
	Buckwheat	20 lbs	
WINTER			
Full	Crimson clover	20 lbs	August 1-October 1
Full	Winter (forage) oats/wheat	1 1/2 - 2 bushels	September 1-October 20
Full	Austrian winter Peas	45-60 lbs	August 15-October 1
Mix	Winter wheat/oats	1 bushel	September 1-October 1
	Crimson clover	10 lbs	