

# UNITED STATES DEPARTMENT OF AGRICULTURE



## Tennessee Specification Sheet Wildlife Habitat Incentive Program (WHIP) Cooperative Conservation Partnership Incentive

### COOPERATIVE CONSERVATION PARTNERSHIP INITIATIVE (CCPI) PLANNING/SPECIFICATION WORKSHEET -BOBWHITE QUAIL-POLLINATOR HABITAT - FISCAL YEARS 2009-2010

#### Eligible Counties

West Tennessee: **Carroll, Crockett, Dyer, Fayette, Gibson, Haywood, Henry, Lauderdale, Madison, Obion, Tipton, Weakley**

Northern Middle Tennessee: **Montgomery, Robertson, Sumner**

Southern Middle Tennessee: **Coffee, Franklin, Giles, Lincoln, Maury**

Cumberland Plateau: **Cumberland, Loudon, Meigs, McMinn, Monroe, Rhea**

Upper East Tennessee: **Greene, Hawkins**



#### Contract Requirements

- Practices must be started within 12 months of contract approval.
- Contract length 2-10 years. At least 1 year of operation/maintenance required after the last practice installed. Participant must maintain the established cover for the contract period.
- Eligible practices/treatments are:
  1. Minimum 5 acres of native grass/forb establishment in an approved pollinator mixture, with 2.5% to 30% shrub establishment in either thickets (blocks) or hedgerows. Thickets must be a minimum 50x50 feet square, not to exceed ¼ acre. Hedgerows must be a minimum 30 up to 50 feet wide.
  2. Minimum of 1 acre of field border establishment within a cropland or introduced grass field targeted for treatment, in an approved native grass/forb pollinator mixture. For larger core fields, a minimum of 1 acre of field border pollinator habitat per approximately 25 acres of cropland or tame grass fields (i.e. 4%) in an approved pollinator mixture. Shrub establishment of between 2.5% and 30% of the field border acreage, in either thickets (blocks) or hedgerows. Thickets must be a minimum 50x50 feet square, not to exceed ¼ acre. Hedgerows must be from 30 to 50 feet wide.
- Plant species substitutions in approved mixtures are permissible by approval of an NRCS biologist.

#### Eligible Payments

- WHIP provides 75% of the state average cost for the installation of eligible practices for most participants; 90% of the state average cost for eligible "limited resource", "beginning", or "socially disadvantaged farmers".
- NRCS payments based on WHIP "Payment Schedule" in place at contract approval.
- The Tennessee Wildlife Resources Agency (TWRA) provides a one time incentive payment of \$75 - \$100 per acre for the **establishment** of approved native grass pollinator mixtures, subject to participant application and approval. There is no incentive payment for shrub establishment.
- TWRA incentive payments limited to a maximum of \$5,000 per contract. To receive TWRA incentive payments, eligible practices must be implemented, and incentive payment forms properly completed and submitted by June 1, 2011. TWRA incentive funds are limited, and will be dispensed on a first come first serve basis.

**USDA cost share program participants must comply with contract requirements.** This job sheet may not meet contract requirements. Other job sheets are available from the Natural Resources Conservation Service. For additional information, contact your local USDA Service Center, Natural Resources Conservation Service office or your local County Soil Conservation District office. "The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer."

## WHIP CCPI

### Eligible Native Grass/Forb and Shrub Pollinator Mixtures

<b>Mix 1</b>	<b>(per acre)</b>	<b>Mix 2</b>	<b>(per acre)</b>	<b>Mix 3</b>	<b>(per acre)</b>	<b>Mix 4</b>	<b>(per acre)</b>
Sideoats grama	1 lb	Sideoats grama	1 lb	Sideoats grama	1 lb	Virginia wildrye	1.5 lb
Virginia wildrye	1 lb	Virginia wildrye	8 oz	Virginia wildrye	8 oz	Little bluestem	1 lb
Little bluestem	1 lb	Little bluestem	1.5 lb	Little bluestem	1 lb	Indiangrass	8 oz
Partridge pea	3 oz	Butterfly milkweed	1 oz	Indiangrass	8 oz	Swamp milkweed	2 oz
Lanceleaf coreopsis	12 oz	Smooth aster	1 oz	Butterfly milkweed	1 oz	New England aster	1 oz
Purple prairie clover	4 oz	Partridge pea	8 oz	Smooth aster	1 oz	Showy tickseed	9 oz
Illinois bundleflower	3 oz	Lanceleaf coreopsis	8 oz	Partridge pea	8 oz	Partridge pea	8 oz
Pale purple coneflower	6 oz	Purple coneflower	14 oz	Lanceleaf coreopsis	4 oz	Purple coneflower	11 oz
Purple coneflower	6 oz	Canada milkvetch	3 oz	Purple prairie clover	2 oz	False sunflower	5 oz
False sunflower	4 oz	Gray-head coneflower	4 oz	Pale purple coneflower	6 oz	Spike blazing star	5 oz
Gray-head coneflower	5 oz	Blackeyed susan	5 oz	Purple coneflower	8 oz	Blackeyed susan	3 oz
Blackeyed susan	2 oz	Rigid goldenrod	2 oz	Rattlesnake master	3 oz	Rigid goldenrod	2 oz
Rigid goldenrod	3 oz	Compass plant	2 oz	Ashy sunflower	0.5 oz	Blue vervain	2 oz
				False sunflower	4 oz		
				Spike blazing star	3 oz		
				Blackeyed susan	5 oz		
				Rigid goldenrod	1 oz		
				Showy goldenrod	0.5 oz		
				Golden Alexander	1 oz		
Imazapic Resistant		Not Imazapic Resistant		Not Imazapic Resistant		Not Imazapic Resistant	
Moist to Dry Sites		Moist to Dry Sites		Moist to Dry Sites		Moist to Wet Sites	
				Longest blooming mix			

**Shrub Component** – An equal mixture of 3 species from the list below (only one sumac species). Consider mixtures that provide the longest bloom period possible through the growing season. All shrubs are planted on an 8x8 foot spacing between 12/1 and 4/1. Shade tolerant species do well in full sun and will produce more flowers with more light exposure.

<u>Species</u>	<u>Bloom period</u>	<u>Shade tolerance</u>	<u>Site Condition Range</u> **
Crabapple ( <i>Malus angustifolia</i> )	March-April	Full sun	Moist, well drained
Dogwood, silky ( <i>Cornus amomum</i> )	March-May	Shade tolerant	Moist to poorly drained
Plum, Chickasaw ( <i>P. angustifolia</i> )	March-May	Shade tolerant	Dry, well drained
Spicebush ( <i>Lindera benzoin</i> )	April	Prefers shade	Moist, somewhat poorly drained
Plum, American (wild) ( <i>P. Americana</i> )	April-May	Shade tolerant	Moist, well drained
Chinkapin ( <i>Castanea pumila</i> )	April-June	Partial shade	Dry, well drained
Indigobush ( <i>Amorpha fruticosa</i> )	April-June	Full sun	Moist, mod. well drained
Sumac, fragrant ( <i>Rhus aromatica</i> )	April-June	Partial shade	Dry, well drained
Beautyberry ( <i>Callicarpa americana</i> )	May-July	Partial shade	Moist, mod. well drained
Elderberry ( <i>Sambucus canadensis</i> )	May-July	Partial shade	Moist, somewhat poorly drained
Sumac, shining ( <i>Rhus capallinum</i> )	June-July	Full sun	Dry, well drained
Sumac, staghorn ( <i>Rhus hirta</i> )	June-July	Shade tolerant	Dry, well drained
Viburnum, Mapleleaf ( <i>V. acerifolium</i> )	May-August	Shade tolerant	Moist, well drained to Dry

\*\* Moist = wetter than moderately well drained soil; good moisture holding capacity; generally not hydric.  
 Dry = Drier than a well drained soil, tending toward droughty.  
 Poorly drained = generally a hydric soil due to persistent high water table.  
 Somewhat poorly drained = Wetness limited soil (2w or 3w) usually not hydric.



Photo courtesy Mark Gudlin - TWRA