



United States Department of Agriculture
 Natural Resources Conservation Service

NE-SOE02 2011 Ranking Period 1

Soil Erosion Enhancement Activity – SOE02 – Protection of cultural resources

Before this Enhancement Activity is applied, Elisha Mackling, Nebraska State Cultural Resources Specialist must be contacted, at (402) 437-4128 or by e-mail at elisha.mackling@ne.usda.gov.

State Criteria (same as NATIONAL CRITERIA)

Additional Criteria for Nebraska

This enhancement is only applicable to sites which are not established to perennial vegetation or have significant erosion occurring which could damage the cultural resource.

This enhancement requires the use of the flowering plant species noted below. Substitute species may be approved by NRCS provided they are native and adapted to site conditions. New seedings must incorporate the required nine or more flowering species at a minimum of 75% of the seeding rate or more (based on seeds per square foot). Total seeding rates (forbs/legumes plus any allowed native grasses listed below) should be a minimum of 10 PLS/ft² and should not exceed 30 PLS/ft² unless required on small areas to control soil erosion resulting from concentrated flow.

Note: On sites with significant erosion potential, mixtures can be modified to include more sod-forming grasses and a lower composition of forbs/legumes in order to stabilize the site. Contact Ritch Nelson, State Wildlife Biologist (402) 437-4100 or by e-mail at ritch.nelson@ne.usda.gov for criteria on altering seed mixtures for this purpose.

All site preparation and plant establishment shall be accomplished according to the appropriate NRCS conservation practice standards and specifications.

Once established, management or maintenance activities such as mowing, haying, grazing must be conducted outside of the growing season or period of bloom.

| Acceptable Native Grasses for Use in Pollinator Habitat Seedings (up to 25% total by PLS/Ft ²): | Acceptable Introduced Legumes/Forbs for Use in Pollinator Habitat Seedings: | Acceptable Shrub Seedling Species for Use in Pollinator Habitat Seedings/Plantings: |
|--|---|--|
| Little bluestem | Red clover | |
| Sideoats grama | White clover (Dutch or ladino) | |
| Blue grama | Alsike clover | |
| Hairy grama | Bird'sfoot trefoil | |
| Prairie Junegrass | Cicer milkvetch | |
| Sand lovegrass | Alfalfa (Veg. Zones I & II only) | |
| Rough dropseed | Small burnet (Veg. Zone I only) | |
| Sand dropseed | | |
| Green needlegrass | | |
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| Note: Where permanent vegetation is already present, other species of native grasses may be allowed to persist in limited quantities following suppression provided that the total grass stand does not exceed 25% of the total canopy cover. | Note: Only one species from this list can be used and cannot exceed 10% of total mix by PLS/Ft ² . All species considered Spring Bloom. | Note: Shrubs are not suitable to be planted with this enhancement due to the potential for disturbance of cultural resources by tree planting equipment. |



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| Commonly Used Native Wildflower Species for Use in Pollinator Habitat Seedings Listed by Bloom Period | | |
|---|--|-----------------------------------|
| Spring/Early (April 15-June 15) | Summer/Middle (June 15-August 15) | Fall/Late (August 15-October15) |
| Alumroot | Anemone, Canada | Aster, aromatic |
| Blanketflower * | Blackeyed Susan * | Aster, azure (sky blue) |
| False indigo, white | Black Sampson (narrowleaf coneflower) | Aster, New England |
| False indigo, cream (plains) | Coneflower, grayhead * | Aster, smooth blue |
| Gaura, scarlet | Coneflower, pale purple | Aster, upland white (heath) * |
| Golden Alexander | Coneflower, purple * | Beggar-ticks |
| New Jersey tea | Coneflower, upright prairie * | Boneset |
| Penstemon, shell-leaf (large) | Coreopsis, plains * | Boneset, tall |
| Penstemon, narrowleaf | Coreopsis, prairie | Cardinal flower (lobelia) |
| Penstemon, tall white (beardtongue) | Culver's root | Compass plant |
| Rose, Arkansas | False sunflower (oxeye sunflower) * | Coneflower, cutleaf (golden glow) |
| Rose, Carolina (prairie wild) | Flax, blue (subspecies "lewisii" only) | Cup-plant |
| Rose, woods (Western wild) | Gentian, prairie | False boneset |
| Sandcherry | Golden-aster, hairy | Gayfeather, dotted |
| Scarlet globemallow | Goldenrod, Canada * | Gayfeather, plains |
| Spiderwort, Ohio | Illinois bundleflower * | Gayfeather, rough |
| Sumac, skunkbush | Larkspur, white | Gayfeather, thickspike |
| Vetch, American | Leadplant | Gentian, downy |
| Yarrow, Western * | Milkweed, butterfly | Goldenrod, showy-wand |
| | Milkweed, common * | Goldenrod, stiff * |
| | Milkweed, showy | Jerusalem artichoke |
| | Milkweed, smooth | Joe Pye weed, spotted |
| | Milkweed, swamp | Lespedeza, roundhead |
| | Milkweed, whorled | Lobelia, great blue |
| | Milkvetch, Canada * | Obedience plant |
| | Mountain mint, Virginia | Pitcher sage |
| | Onion, nodding | Rattlesnake-master |
| | Phlox, prairie | Sagewort, cudweed (white sage) * |
| | Primrose, common evening | Sagewort, fringed (fringed sage) |
| | Primrose, four-point evening | Seedbox, bushy |
| | Primrose, Missouri | Sneezeweed |
| | Prairie cinquefoil | Sunflower, ashy |
| | Prairieclover, purple | Sunflower, Maximilian * |
| | Prairieclover, silky | Sunflower, sawtooth |
| | Prairieclover, white | Sunflower, stiff |
| | Rocky Mountain bee plant * | Tickseed sunflower (bidens) |
| | Rosinweed, entire-leaved | |
| | Sensitive brier | |
| | Showy Partridge-pea * | |
| | Tick-clover, Canada (showy) | |
| | Vervain, blue | |
| | Verbena, hoary (wooly) * | |
| | Virginia Mountain mint | |
| | Western ironweed * | |
| | Wild bergamot * | |
| | Wild senna | |
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|--------|--------|--------|
| Other: | Other: | Other: |
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Note: Species noted with an * are more readily established and are recommended to each comprise a small (<10%) percentage of seeding mixtures in order that they do not suppress less aggressive species used within the mixture.

Participant Acknowledgement Statement:

I agree to apply this enhancement under the terms and conditions of my CSP contract and understand the requirements of the activity.

Documentation Requirements (SEE NATIONAL ENHANCEMENT ACTIVITY JOBSHEET)

Document the plant species used for vegetation in the table below:

| To be completed by NRCS | | | | To be completed by Producer during certification process | |
|-------------------------|-----------|-----------|-------------|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Tract | Field | Acres | Site Number | Description of previous plant vegetation | Description of plant species used for Revegetation |
| <i>Ex. 1</i> | <i>R1</i> | <i>40</i> | <i>1</i> | | |
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EX= EXAMPLE, COLUMNS 1-4 NRCS COMPLETES, COLUMNS 5-6 PRODUCER COMPLETES

I certify that the stabilization and protection of identified cultural resource and/or historic properties with vegetation, meets these specifications including the following documentation as applicable:

Complete, sign, and attach [Grass Seeding Jobsheet NE-CPA-8](#).

Certified by: _____ **Date:** _____