

ANM07 - Extending existing field borders for water quality protection and wildlife habitat

Conditions Where Enhancement Applies

Existing borders must meet the following minimum requirements:

1. Borders occur around the entire perimeter of the field, or as a minimum, borders are placed to eliminate sloping end rows, headlands and other areas where concentrated water flows may enter or exit the field,
2. Borders must be a minimum of 20 feet wide.

Note: Field borders can include circle peripheries and corners.

Criteria

- Table 1 provides a state list of plants for ANM07 purposes.
 - Select at least five (5) species best suited to the site conditions.
 - All seeds must include a forb/legume component of 25% of the mixture. Include species that provide for pollinator habitat and will increase water quality values where possible.
- Site Preparation and Plant Establishment shall follow the following NRCS conservation practice standard and specifications:

386 – Field Borders 327 – Conservation Cover 422 – Hedgerow Planting

- Any use of the field border must not compromise its intended purpose, and the following limitations apply:
 - Borders shall not be disturbed during the Primary Wildlife Nesting Period of April 15th to July 15th, additionally:
 - Grazing is permitted up to one time per three year period (following establishment) and it does not exceed a 30 day period during the growing season OR a 60 day period during the dormant season.
 - Haying (including for bio-energy) is permitted up to one time per three year period (following establishment), provided a cut height of at least 5 inches above ground.



If planning a field border for beneficial insects or as a trap crop, use the plant list provided in PLT08 – Habitat Development for Beneficial Insects; selecting perennial species.

Table 1 – List of Forbs/Legumes/Grasses for ANM07			
Plant Common Name	Scientific Name	Notes	Functional Group
Alfalfa	<i>Medicago sativa</i>	I, A/P	Legume
Alkali sacaton	<i>Sporobolus airoides</i>	N, P	Warm season grass
Alpine timothy	<i>Phleum alpinum</i>	N, P	Cool season grass
Alsike clover	<i>Trifolium hybridum</i>	I, P	Legume
Altai wildrye	<i>Leymus angustus</i>	I, P	Cool season grass
American vetch	<i>Vicia americana</i>	N, P	Forb
Arizona fescue	<i>Festuca arizonica</i>	N, P	Cool season grass
Basin wildrye	<i>Leymus cinereus</i>	N, P	Cool season grass
Beardless wheatgrass	<i>Pseudoroegneria spicata</i>	N, P	Cool season grass
Berseem clover	<i>Trifolium alexandrinum</i>	I, A	Legume
Big bluestem	<i>Andropogon gerardii</i>	N, P	Warm season grass
Big Sacaton	<i>Sporobolus wrightii</i>	N, P	Warm season grass
Bird's-foot trefoil	<i>Lotus corniculatus</i>	I, P	Legume
Blanketflower	<i>Gaillardia spp.</i>	N, P	Forb
Blue Grama	<i>Bouteloua gracilis</i>	N, P	Warm season grass
Blue Panicum	<i>Panicum antidotale</i>	I, P	Warm season grass
Bottlebrush squirreltail	<i>Elymus elymoides</i>	N, P	Cool season grass
Buffalograss	<i>Bouteloua dactyloides</i>	N, P	Warm season grass
Canada wildrye	<i>Elymus canadensis</i>	N, P	Cool season grass
Cicer milkvetch	<i>Astragalus cicer</i>	I, P	Legume
Cinquefoil	<i>Potentilla spp.</i>	N, A/P	Forb
Coneflower	<i>Rudbeckia spp.</i>	N, A/P	Forb
Cowpea	<i>Vigna unguiculata</i>	I, A	Legume
Creeping wildrye	<i>Leymus triticoides</i>	N, P	Cool season grass
Daisy/Fleabane	<i>Erigeron spp.</i>	N, A/P	Forb
Field sagewort	<i>Artemisia campestris</i>	N, P	Forb
Galleta grass	<i>Pleuraphis spp.</i>	N, P	Warm season grass
Green needlegrass	<i>Nassella viridula</i>	N, P	Cool season grass
Hairy Vetch	<i>Vicia villosa</i>	I, A	Legume
Hawksbeard	<i>Crepis spp.</i>	N, P	Forb
Idaho fescue	<i>Festuca idahoensis</i>	N, P	Cool season grass
Indian ricegrass	<i>Achnatherum hymenoides</i>	N, P	Cool season grass
Indiangrass	<i>Sorghastrum nutans</i>	N, P	Warm season grass
Inland Saltgrass	<i>Distichlis spicata</i>	N, P	Warm season grass
Intermediate/Pubescent Wheatgrass (no more than 10% of the mix)	<i>Thinopyrum intermedium</i>	N, P	Cool season grass
Little bluestem	<i>Schizachyrium scoparium</i>	N, P	Warm season grass
Lupine	<i>Lupinus spp.</i>	N, P	Legume
Meadow brome/bromegrass (no more than 5% of the mix)	<i>Bromus biebersteinii</i>	I, P	Cool season grass
Meadow foxtail	<i>Alopecurus pratensis</i>	I, P	Cool season grass
Milkvetch	<i>Astragalus spp.</i>	I/N, A/P	Legume
Milkweed	<i>Asclepias spp.</i>	N, P	Forb
Mint	<i>Mentha spp.</i>	N, P	Forb
Mountain Brome	<i>Bromus marginatus</i>	N, P	Cool season grass
Muttongrass	<i>Poa fendleriana</i>	N, P	Cool season grass
Needleandthread	<i>Hesperostipa comata</i>	N, P	Cool season grass
Orchardgrass	<i>Dactylis glomerata</i>	I, P	Cool season grass
Penstemon	<i>Penstemon spp.</i>	N, P	Forb
Phlox	<i>Phlox spp.</i>	N, P	Forb
Prairie cordgrass	<i>Spartina pectinata</i>	N, P	Warm season grass



Prairie Junegrass	<i>Koeleria macrantha</i>	N, P	Cool season grass
Primrose	<i>Oenothera spp.</i>	N, A/P	Forb
Purple coneflower	<i>Echinacea angustifolia</i>	N, P	Forb
Purple oniongrass	<i>Melica spectabilis</i>	N, P	Cool season grass
Purple prairieclover	<i>Dalea purpurea</i>	N, P	Legume
Red Clover	<i>Trifolium pratense</i>	I, P	Legume
Rushes	<i>Juncus spp.</i>	N, P	Graminoid
Russian wildrye	<i>Psathyrostachys juncea</i>	I, P	Cool season grass
Sainfoin	<i>Onobrychis viciifolia</i>	I, P	Legume
Sand bluestem	<i>Andropogon hallii</i>	N, P	Warm season grass
Sand lovegrass (no more than 10% of the mix)	<i>Eragrostis trichodes</i>	N, P	Warm season grass
Sandberg bluegrass	<i>Poa secunda</i>	N, P	Cool season grass
Scurfpea	<i>Psoralegium spp.</i>	N, P	Forb
Sideoats Grama	<i>Bouteloua curtipendula</i>	N, P	Warm season grass
Slender wheatgrass	<i>Elymus trachycaulus</i>	N, P	Cool season grass
Small burnett	<i>Sanguisorba minor</i>	I, P	Forb
Spike muhly	<i>Muhlenbergia wrightii</i>	N, P	Cool season grass
Strawberry clover	<i>Trifolium fragiferum</i>	I, P	Legume
Sunflower	<i>Helianthus spp.</i>	N/I, P/A	Forb
Switchgrass	<i>Panicum virgatum</i>	N, P	Warm season grass
Tall wheatgrass	<i>Thinopyrum ponticum</i>	I, P	Cool season grass
Thickspike/Streambank wheatgrass	<i>Elymus lanceolatus</i>	N, P	Cool season grass
Thurber's fescue	<i>Festuca thurberi</i>	N, P	Cool season grass
Ticklegrass	<i>Agrostis scabra</i>	N, P	Cool season grass
Timothy	<i>Phleum pratense</i>	I, P	Cool season grass
Tufted hairgrass	<i>Deschampsia cespitosa</i>	N, P	Cool season grass
Utah sweetvetch	<i>Hedysarum boreale</i>	N, P	Legume
Vine Mesquite/Panic grass	<i>Panicum obtusum</i>	N, P	Warm season grass
Western Wheatgrass (no more than 10% of the mix)	<i>Pascopyrum smithii</i>	N, P	Cool season grass
White Clover	<i>Trifolium repens</i>	I, P	Legume

I = introduced; N = native, NI = native and introduced. P = perennial; A = annual

Table 2 – List of Shrubs for ANM07

Plant Common Name	Scientific Name	Notes	Functional Group
desert false indigo	<i>Amorpha fruticosa</i>	N	shrub
silver sagebrush	<i>Artemisia cana</i>	N	shrub
fourwing saltbush	<i>Atriplex canescens</i>	N	shrub
seepwillow	<i>Baccharis salicifolia</i>	N	shrub
netleaf hackberry	<i>Celtis laevigata</i> var. <i>reticulata</i>	N	shrub
eastern redbud	<i>Cercis canadensis</i>	N	shrub
Mexican redbud	<i>Cercis canadensis</i> var. <i>mexicana</i>	N	shrub
desert willow	<i>Chilopsis linearis</i>	N	shrub
redosier dogwood	<i>Cornus sericea</i>	N	shrub
shrubby cinquefoil	<i>Dasiphora fruticosa</i> ssp. <i>floribunda</i>	N	shrub
New Mexico olive	<i>Forestiera pubescens</i>	N	shrub
honeylocust	<i>Gleditsia triacanthos</i>	N	shrub
Torrey wolfberry	<i>Lycium torreyi</i>	N	shrub
creeping barberry	<i>Mahonia repens</i>	N	shrub
skunkbush sumac	<i>Rhus trilobata</i> (6 varieties)	N	shrub
American black currant	<i>Ribes americanum</i>	N	shrub
golden currant	<i>Ribes aureum</i>	N	shrub
wax currant	<i>Ribes cereum</i>	N	shrub
Woods' rose	<i>Rosa woodsii</i>	N	shrub



NM black elderberry	<i>Sambucus mexicana</i>	N	shrub
American black elderberry	<i>Sambucus nigra ssp. canadensis</i>	N	shrub
red elderberry	<i>Sambucus racemosa</i> var. <i>racemosa</i>	N	shrub
Western soapberry	<i>Sapindus saponaria</i> var. <i>drummondii</i>	N	shrub
silver buffaloberry	<i>Shepherdia argentea</i>	N	shrub
russet buffaloberry	<i>Shepherdia canadensis</i>	N	shrub
common snowberry	<i>Symphoricarpos albus</i>	N	shrub
western snowberry	<i>Symphoricarpos occidentalis</i>	N	shrub
mountain snowberry	<i>Symphoricarpos oreophilus</i>	N	shrub

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