



PLT15 Montana Supplement

Establish pollinator and/or beneficial insect habitat – (Plant Enhancement Activity)

Montana Clarification

No haying or grazing is allowed until after frost.

Montana Specifications

Follow the species requirements for early, mid and late flowering period from the following list. The mix must have at least one species from each bloom period for a minimum of three species in the mix. Use this list for both pollinators and beneficial insects:

<u>Common Name</u>	<u>Latin Name</u>	<u>Bloom Period^{1/}</u>	<u>Availability^{2/}</u>	<u>Relative Cost^{3/}</u>	<u>Full Seeding Rate 4/PLS</u>
Native Forbs					
Black-samson	<i>Echinacea angustifolia</i>	M	E	L	9.5
Common yarrow	<i>Achillea millefolium</i>	E-M-L	E	L	0.5
Blanket flower	<i>Gaillardia aristata</i>	M-L	E	L	7.0
Lewis flax	<i>Linum lewisii</i>	E-M	E	L	3.0
Maximilian sunflower	<i>Helianthus maximiliani</i>	M-L	E	L	1.0
Prairie coneflower	<i>Ratibida columnifera</i>	M-L	E	L	1.2
Purple prairie clover	<i>Dalea purpurea</i>	M-L	E	M	3.0
Firecracker penstemon	<i>Penstemon eatonii</i>	E	E-G	M	1.5
Fuzzytongue penstemon	<i>Penstemon eriantherus</i>	E	F	M	1.5
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	L	G	M-H	2.0
Showy milkweed	<i>Asclepias speciosa</i>	M	G	M	15.6
Smooth blue aster	<i>Symphotrichum laeve</i>	M-L	G	H	1.1
Sulphur-flower buckwheat	<i>Eriogonum umbellatum</i>	M	G	M	5.2
White prairie clover	<i>Dalea candida</i>	M	G	M	3.0
Beebalm	<i>Monarda fistulosa</i>	M-L	F-G	M-H	0.9
Silky lupine	<i>Lupinus sericeus</i>	E-M	F	M-H	44.4
Dotted gayfeather	<i>Liatris punctata</i>	L	F	M-H	6.4
Goldenrod	<i>Solidago species</i>	E-L	F	M-H	1.4
Sticky geranium	<i>Geranium viscosissimum</i>	E	F	H	19.8
Silverleaf phacelia	<i>Phacelia hastata</i>	E	L	H	7.0
Hairy goldenaster	<i>Heterotheca</i>	M-L	F	M	3.2

<u>Common Name</u>	<u>Latin Name</u>	<u>Bloom Period</u> ^{1/}	<u>Availability</u> ^{2/}	<u>Relative Cost</u> ^{3/}	<u>Full Seeding Rate</u> <u>4/PLS</u>
	<i>villosa</i>				
Northern sweetvetch	<i>Hedysarum boreale</i>	E-M	F-G	M	4.0
Introduced Forbs					
Alfalfa	<i>Medicago sativa</i>	E-M	E	L	5.0
Alsike clover	<i>Trifolium hybridum</i>	E	G	L	3.0
Strawberry clover	<i>Trifolium fragarium</i>	E	M	L-M	3.0
White clover	<i>Trifolium repens</i>	M	E	L	4.0
Sanfoin	<i>Onobrychis viciifolia</i>	E-M-L	E	L	34.0
Small burnet	<i>Sanguisorba minor</i>	M	E	L	20.0
Cicer milkvetch	<i>Astragalus cicer</i>	L	E	L	7.0
Birdsfoot trefoil	<i>Lotus corniculatus</i>	L	E	L	3.0
Red clover	<i>Trifolium pratense</i>	E	E	L	4.0
Native Shrubs					
American plum	<i>Prunus americana</i>	E	E	L	N/A
Chokecherry	<i>Prunus virginiana</i>	E	E	L	N/A
Serviceberry	<i>Amelanchier alnifolia</i>	E	E	L	N/A
Golden currant	<i>Ribes aureum</i>	E	E	L	N/:
Skunkbush sumac	<i>Rhus trilobata</i>	E	E	L-M	N/A
Black hawthorn	<i>Crataegus douglasii</i>	E	G	L	N/A
Antelope bitterbrush	<i>Purshia tridentata</i>	E	G	M	N/A
Willow	<i>Salix species</i>	E	E	L	N/A
Silver buffaloberry	<i>Shepherdia argentea</i>	E-M	E	L	N/A

1: E-early; M-mid; L-late. 2: F-fair; G-good; P-poor. 3: L-low; M-medium; H-high.
4: PLS = Pure Live Seed; % germination X % purity.

Pollinator and beneficial insect habitat plantings must remain undisturbed throughout the growing season (until after the first killing frost in the fall) so that flowers are available as a nectar source to adults and succulent herbage can be utilized by larvae. Maintenance treatments, such as grazing, burning, or haying may be required outside of the flowering period. Native and introduced species are generally not compatible in the same planting. Alfalfa, if used with native species, must be limited to no more than five percent of the seed mixture. Other introduced species, such as small burnet and sainfoin, must be used with caution. Plantings must be at least one-half acre in size.

Incompatible Enhancements

Some enhancements are not compatible with other enhancements. If you have a question, contact your local NRCS office.

Eligible Land

Crop, pasture, range and forestland

Applicable Amount

Applies to all crop, pasture, range or forest land use acres

Documentation Requirements

1) A map showing the location and dimension of the pollinator or beneficial insect habitat areas

- 2) A list of pollinator or beneficial insect species planted.
- 3) A list of maintenance activities carried out to manage pollinator or beneficial insect habitat areas.

I acknowledge that I have read and understand all that is required for the implementation of this CSP Enhancement Activity.

Contract participant

Date