



CONSERVATION ENHANCEMENT ACTIVITY

E512J

CONSERVATION STEWARDSHIP PROGRAM

Establish wildlife corridors to provide habitat continuity or access to water

CONSERVATION PRACTICE: 512 - Pasture and Hay Planting

APPLICABLE LAND USE: Pasture; Associated Ag Land; Farmstead

RESOURCE CONCERN: Animals

ENHANCEMENT LIFE SPAN: 5 years

Enhancement Description

Establishing adapted and compatible species, varieties, or cultivars of perennial, herbaceous species that can provide cover needed for wildlife species of concern to move from food/cover/water sources to other food/cover/water sources as needed for their life cycles, and/or to enhance the utility of underused wildlife habitat areas.

Criteria

- Select native, perennial, grass/forb/legume plant species and their cultivars based on climatic conditions, soil condition, landscape position and resistance to disease and insects, that meet the cover demand for movement by the wildlife species of concern.
- Select species that are compatible with existing stands or terminate corridor area with herbicide or tillage. Consult wildlife resources for corridor widths.
- Recommendations for planting rates, methods, depths, and dates from land grant universities (LGU), plant materials program, extension agencies, or agency field trials will be followed.
- Seeding medium that does not restrict plant emergence will be provided, and planting will take place when soil moisture is adequate for germination and establishment.
- Federal, state, or local noxious species will not be planted.
- Plant nutrients and/or soil amendments for establishment purposes will be applied according to a current soil test. Legume seed will be pre- inoculated or inoculated with the proper viable strain of Rhizobia immediately before planting.



CONSERVATION STEWARDSHIP PROGRAM

- Plant selection will be made and maintained based on the state's approved NRCS habitat evaluation procedure.
- Protection from grazing or other plant defoliation/biomass loss will be provided as needed to assure adequate corridor cover during the primary wildlife movement time frames.
- Grazing or other plant defoliation/biomass operations will be timed as needed to assure adequate corridor cover during the primary wildlife movement time frames.
- Wildlife species of concern for corridor utilization will be specified on the state's approved NRCS Wildlife Habitat Evaluation Guide (WHEG).

Documentation and Implementation Requirements

Participant will:

- ☐ Prior to implementation, select a perennial forage species or grassland mixture for establishment. If livestock are included in the system, forage species selected will meet the desired level of nutrition for the kind and class of the livestock to be fed. (NRCS will provide technical assistance, as needed.)

Species	Species type (grass, legume, forb)

- ☐ Prior to implementation, select planting technique, seeding rates and timing appropriate for the site and climatic conditions. (NRCS will provide technical assistance, as needed.)

Planting Date	
Planting method	
Seeding rate	



CONSERVATION STEWARDSHIP PROGRAM

- ☐ If livestock are included in the system, prior to implementation a grazing plan must be developed to keep grazing periods sufficiently short to allow for forages to recover before re-grazing occurs.
- ☐ If livestock are included in the grazing system, in areas where animals congregate, establish persistent species that can tolerate close grazing and trampling.
- ☐ During implementation, keep the following documentation:
 - Records and photographs of planting preparation and any materials purchased or materials on hand used for the implementation of the enhancement.
 - Documentation of seed (Pure Live Seed) and any fertilizer or soil amendments used for the implementation of the enhancement.
 - If livestock are included in the grazing system, documentation, and photographs of turn in/turn out grazing records for each field.
- ☐ During implementation, ensure that the forage/biomass is protected from grazing or other plant defoliation/biomass loss.
- ☐ After implementation, make the forage planting and grazing records available for review by NRCS to verify implementation of the enhancement.

NRCS will:

As needed, provide technical assistance to meet the criteria of the enhancement.

Prior to implementation, provide and explain NRCS Conservation Practice Standard Pasture and Hay Planting (Code 512) as it relates to implementing this enhancement.

Prior to implementation, complete the state's approved NRCS Wildlife Habitat Evaluation Guide (WHEG).

Species of concern: _____

WHEG score before implementation: _____

WHEG score after implementation: _____

As needed, prior to implementation, NRCS will provide technical assistance:

- Planning site preparation and establishment specifications meeting NRCS Conservation Practice Standard Pasture and Hay Planting (512).
- Prepare specifications for applying this enhancement for each site using approved specification sheets, job sheets, technical notes, and narrative statements in the conservation plan, or other acceptable documentation.



CONSERVATION STEWARDSHIP PROGRAM

- ☐ *If livestock are included in the system*, develop a grazing plan to keep grazing periods sufficiently short to allow for forages to recover before re-grazing occurs.
- ☐ During implementation, evaluate any planned changes to verify they meet the enhancement criteria.
- ☐ After implementation, verify the planned perennial grassland mixture was established to specifications developed for the site.

NRCS Documentation Review:

I have reviewed all required participant documentation and have determined the participant has implemented the enhancement and met all criteria and requirements.

Participant Name _____

Contract Number _____

Total Amount Applied _____

Fiscal Year Completed _____

NRCS Technical Adequacy Signature

Date



WASHINGTON SUPPLEMENT TO CONSERVATION ENHANCEMENT ACTIVITY

CONSERVATION STEWARDSHIP PROGRAM

512 - Pasture and Hay Planting References:

Pasture and Hay Planting (512) Practice Standard and Implementation Requirements (IR's) are located in NRCS Field Office Technical Guide (FOTG) Section 4/Washington Conservation Practices/Pasture and Hay Planting (AC) (512) folder.

[FOTG Section 4](#)

Pasture and Hay (pasture) species, with seeding rates, for **Western Washington** can be found in the Extension Publication **EB1870, Pasture and Hayland Renovation** for Western Washington and Oregon. Also provides guidance on site preparation, seeding and when livestock grazing can resume.

<https://s3.wp.wsu.edu/uploads/sites/2079/2015/06/Pasture-and-Hayland-Renovation-for-Western-Washington-and-Oregon-WSU.pdf>

Ecological Site Descriptions and **Forage Suitability Groups** can be found in the **NRCS Field Office Technical Guide** [Washington | Field Office Technical Guide | NRCS - USDA](#) in Section 2. For planning unit ecological sites and forage suitability groups see next item.

Soil information, including productivity, **Ecological Sites and Forage Suitability Groups** for planning unit soils can be found by using the **Web Soil Survey**

<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

Seedbed Preparation and Seed to Soil Contact, Plant Materials Technical Note 6, can be found in the NRCS Field Office Technical Guide (FOTG) in Section1/References Lists/Technical Notes by Discipline/Plant Materials.

[Washington | Field Office Technical Guide | NRCS - USDA](#)



CONSERVATION STEWARDSHIP PROGRAM

Appropriate plant species, and seeding rates for **Eastern Washington** dryland plantings can be found in the **Plant Materials Technical Note 1 Seeding Guide** in the NRCS Field Office Technical Guide in Section 1/Reference Lists/Technical Notes by Discipline/Plant Materials

[Washington | Field Office Technical Guide | NRCS - USDA](#)

In depth information on **pasture** species for the **Intermountain West** can be found in **Plant Materials Technical Note 19**, November 2009, Pasture – Species Selection and Grazing Management Guidelines. This document is found in the NRCS Field Office Technical Guide (FOTG) in Section 1/References Lists/Technical Notes by Discipline/Plant Materials.

[Washington | Field Office Technical Guide | NRCS - USDA](#)

In depth information on suitable **range and pasture species** can be found in **Plant Materials Technical Note 2**, March 2011, Grass, Grass-Like, Forb, Legume, and Woody Species for the **Intermountain West**. This document is found in the NRCS Field Office Technical Guide (FOTG) in Section 1/References Lists/Technical Notes by Discipline/Plant Materials. [Washington | Field Office Technical Guide | NRCS - USDA](#)

Pasture Condition Scoring documents in NRCS Field Office Technical Guide (FOTG) in Section 1/Reference Lists/Technical Notes by Discipline/Pasture folder

[Washington | Field Office Technical Guide | NRCS - USDA](#)

Wildlife References and WHEG:

Washington State's Wildlife Habitat Evaluation Guide (WHEG) is **Biology Technical Note 14 Wildlife Habitat Evaluation Guide (WHEG)**. It can be found in the NRCS Field Office Technical Guide (FOTG) in Section 1/References Lists/Technical Notes by Discipline/Biology folder. [Washington | Field Office Technical Guide | NRCS - USDA](#)

Use the Washington Department of Fish & Wildlife (WDFW) **Priority Habitats and Species (PHS) database** to identify priority wildlife and habitat in your area.

<http://wdfw.wa.gov/mapping/phs/>

Consult Biology Technical Note 24, **Plants for Pollinators in the Inland Northwest, Revised 2016** for appropriate plant species east of the Cascade Mts. and for guidance on establishing pollinator habitat. FOTG Section 1/References Lists/Technical Notes by Discipline/Biology [Washington | Field Office Technical Guide | NRCS - USDA](#)



CONSERVATION STEWARDSHIP PROGRAM

For west side environments consult **Plant Materials
Technical Note 13, Plants for Pollinators in Oregon**

[Plants for Pollinators in Oregon](#)

Prescribed Grazing:

Available for use – **Prescribed Grazing (528) Design Worksheet/s**. This document has several useful worksheets for developing grazing plans. It can be found in the NRCS Field Office Technical Guide (FOTG) Section 4/Washington Conservation Practices/Prescribed Grazing 528) folder. [Washington - Field Office Technical Guide](#)

Pasture Technical Note No. 105. **The Western Oregon and Washington Pasture Calendar**, A Pacific Northwest Extension Publication PNW 699. Oregon State University, University of Idaho, Washington State University.

<https://catalog.extension.oregonstate.edu/sites/catalog/files/project/pdf/pnw699.pdf>