



CONSERVATION ENHANCEMENT ACTIVITY

E386E

CONSERVATION STEWARDSHIP PROGRAM

Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field

Conservation Practice 386: Field Border

APPLICABLE LAND USE: Crop (Annual & Mixed); Crop (Perennial); Associated Ag Land

RESOURCE CONCERN: Animals

ENHANCEMENT LIFE SPAN: 10 years

Enhancement Description:

Enhance existing field borders to a width of at least 40 feet and establish a mixture of species that provide wildlife food and habitat along the edge(s) of the field. The extended field border will also provide enhanced wildlife habitat continuity.

Criteria:

- Field borders shall be established along selected field edges at a width of at least 40 feet.
- The field border must connect an existing field border to another field border or to an existing or planned wildlife area (e.g. wood lot, CRP, pond, rangeland, etc.).
- Locate borders to eliminate sloping end rows, headlands, and other areas where concentrated water flows will enter or exit the field.
- Field borders shall be established to a mixture adapted species of permanent grass, forbs and/or shrubs that accomplish the design objective.

E386E - Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field	July 2019	Page 1
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CONSERVATION STEWARDSHIP PROGRAM

- Plants selected for field borders will have the physical characteristics necessary to produce wildlife food and cover for the targeted species.
- No plant listed by the state as a noxious or invasive species shall be established in the field border.
- Seedbed preparation, seeding rates, dates, depths, fertility requirements, and planting methods will be consistent with approved local criteria and site conditions.
- Ephemeral gullies and rills present in the planned border area will be eliminated as part of seedbed preparation. If present, ephemeral gullies and rills located immediately upslope from the planned border area need to be treated to ensure more of a sheet flow into the planned border area.
- Operation and maintenance requirements:
 - Repair storm damage.
 - Remove sediment from above, within and along the leading edge of the field border when accumulated sediment either alters the function of the field border or threatens the degradation of the planted species.
 - Shut off sprayers and raise tillage equipment to avoid damage to field borders.
 - Shape and reseed border areas damaged by animals, chemicals, tillage, or equipment traffic.
 - Do not use the field border as a hay yard or machinery parking lot for any extended period of time, especially if doing so will damage or impair the function of the field border.
 - Schedule mowing, harvest, weed control, and other management activities within the field border to accommodate reproduction and other life cycle requirements of target wildlife species. Vehicle traffic should be avoided in the field border area.



CONSERVATION STEWARDSHIP PROGRAM

- Maintain desired vegetative communities and plant vigor by liming, fertilizing, mowing, disking, or burning and controlling noxious and invasive weeds to sustain effectiveness of the border.
- Repair and reseed ephemeral gullies and rills that develop in the border.
- When managing for wildlife, maintenance activities that result in disturbance of vegetation should not be conducted during the primary nesting, fawning and calving seasons. Activities should be timed to allow for regrowth before the growing season ends whenever possible.
- Periodic removal of some products such as medicinal herbs, nuts, and fruits is permitted provided the conservation purpose is not compromised by the loss of vegetation or harvesting disturbance.
- Avoid vehicle traffic when soil moisture conditions are saturated.
- Maintain records of the field border maintenance as needed by the land user.



CONSERVATION STEWARDSHIP PROGRAM

Documentation and Implementation Requirements:

Participant will:

- Prior to implementation, prepare the planned acres for vegetation establishment. Refer to NRCS Conservation Practice Standard Field Border (Code 386). (NRCS will provide technical assistance, as needed.) Total planned amount of field border extension = _____ feet
- Prior to implementation, plan the field border extension to an existing field border which connects to another field border or to an existing or planned wildlife area (e.g. wood lot, CRP, pond, rangeland, etc.). Total planned acres connected = _____
- Prior to implementation, select adapted species of permanent grass, forbs and/or shrubs that accomplish the design objective and are best suited to site conditions. (NRCS will provide technical assistance, as needed.)

Species	Seeding Rate (lb/ac pure live seed)	Note specific species characteristic(s)

- Prior to implementation, determine liming and fertilizer requirements, select planting technique and timing appropriate for the site and soil conditions. (NRCS will provide technical assistance, as needed.)

Planting Date	
Planting Technique	
Lime and Fertilizer Requirements	

- During implementation, install and maintain erosion control measures as needed for the site. (NRCS will provide technical assistance, as needed.)
- During implementation, notify NRCS of any planned changes to verify changes meet NRCS enhancement criteria.
- During implementation, protect the planting from plant and animal pests and fire.



CONSERVATION STEWARDSHIP PROGRAM

- After implementation, maintain and protect the planting from plant and animal pests and fire.
- After implementation, verify the total amount of field border implemented and areas connected. Total implemented amount of field border extension = _____ feet
Total areas connected = _____ Total acres connected = _____

NRCS will:

- Prior to implementation, verify the enhancement is planned within the field(s) or farm boundary.
- Prior to implementation, provide and explain NRCS Conservation Practice Field Border (Code 386) as it relates to implementing this enhancement.
- Prior to implementation, verify the enhancement is planned for acres that have been appropriately prepared for vegetation establishment. Total planned amount of field border extension = _____ feet
- Prior to implementation, verify the field border extension connects to another field border or to an existing or planned wildlife area (e.g. wood lot, CRP, Pond, Rangeland, etc.). Total planned areas connected = _____
Total planned acres connected = _____
- Prior to implementation, verify no plants on the Federal or state noxious weeds list are included.
- As needed, prior to implementation, NRCS will provide technical assistance:
 - Planning site preparation meeting NRCS Conservation Practice Standard Field Border (Code 386).
 - Selecting the adapted species of permanent grass, forbs and/or shrubs that accomplish the design objective and are best suited to site conditions.
 - Selecting planting techniques and timing appropriate for the site and soil conditions.

E386E - Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field	July 2019	Page 5
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CONSERVATION STEWARDSHIP PROGRAM

- Planning the use of additional erosion control, as needed for the site.
- Preparing specifications for applying this enhancement for each site using approved state implementation requirements, national technical notes, appropriate state technical notes, and narrative statements in the conservation plan, or other acceptable documentation.
- During implementation, evaluate any planned changes to verify they meet the enhancement criteria.
- After implementation, verify the vegetation was established to specifications developed for the site.
- After implementation, verify the planting is protected from pests and fire.
- After implementation, verify all erosion control needed for the site is functioning and is maintained to specifications developed for the site.
- After implementation, verify the total amount of field border implemented and areas connected. Total implemented amount of field border extension = _____ feet
Total areas connected = _____ Total acres connected = _____

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

Sign and Certify in Oregon Supplement below

E386E - Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field	July 2019	Page 6
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**OREGON SUPPLEMENT TO
CONSERVATION ENHANCEMENT**

**CONSERVATION
STEWARDSHIP
PROGRAM**

ACTIVITY E386E

Additional Documentation Requirements and Information for Oregon

- If the base practice (386) is being contracted and paid for along with the enhancement, complete an Oregon 386 IR for the project, indicating species and quantities to be seeded/planted. If the base practice has been completed or the site has been inventoried and found to meet or lack specifications, the planner should document this information (such as an IR from a previous contract, WHEG, or some other form of documentation/inventory).
 - Use an Oregon Wildlife Habitat Evaluation Guide and the Oregon Wildlife Habitat Slicer to determine general habitat needed and condition for Wildlife species of concern at: <https://efotg.sc.egov.usda.gov/#/state/OR/documents/section=3&folder=60599> : Oregon: Section 3: Oregon Conservation Planning Documents: Wildlife Habitat Inventory Documents.
 - Enhancement parameters should target addition/augmentation with plant species that address a period of inadequate bloom (nectar and/or pollen) or other resources (i.e. nesting habitat) as identified by the WHEG. Post installation score should be at least 0.5.
 - Document (IR, WHEG and/or narrative) how this enhancement will maintain or enhance the habitat for the identified wildlife species.
 - Direct any additional questions to your Basin or State Wildlife Biologist.

Plant Guidance

Plant selection can include grasses, grass/legumes or forbs, particularly with upright, stiff structure to trap water/wind- borne soil particles. Plants seeded or planted at the site should be suitable to the MLRA (ecoregion) and habitat location. Origin of native plants or seeds used for this enhancement should originate from the same MLRA (or similar climate) as the enhancement location.

Refer to the following documents to help select suitable plants to seed or plant. Many plants that are good for pollinators are also good for other wildlife. Other plants not contained in these documents may be appropriate for use. For further recommendations in plant selection for enhancements, please contact your Basin Wildlife Specialist or Oregon State Plant Materials Specialist

Statewide

- "Oregon & Washington Guide for Conservation Seedings and Plantings" at: <https://efotg.sc.egov.usda.gov/references/public/OR/OR-WA-seeding-guide.pdf>
- Oregon Plant Materials Technical Note Note 13 - Plants for Pollinators in Oregon. It can be downloaded at: https://efotg.sc.egov.usda.gov/references/public/OR/Plants_for_Pollinators_in_Western_Oregon.pdf
- The Oregon Flora website has a plant selection tool in their gardening portal where you can select your Ecoregion and purposes for a planting and it will provide recommended species: <https://oregonflora.org/garden/index.php>

Westside

- Native Plants for Willamette Valley Yards Booklet. 2018. Metro. <https://www.oregonmetro.gov/native-plants-willamette-valley-yards-booklet>
- Oregon Plant Materials Technical Note 42 - Enhancements for Native Bees in Western Oregon and Washington Cranberry Production, located at: <https://efotg.sc.egov.usda.gov/references/public/OR/PMC42.pdf>
- For MLRAs 1, 2, 4, and 5, refer to: 420 OR OTH Wildlife Habitat Planting files -found in Wildlife Habitat Planting (420) folder at Oregon FOTG in Section IV. <https://efotg.sc.egov.usda.gov/#/state/OR/documents/section=4&folder=-270>

E386E – Oregon State Supplement	January 2024	Page 2

Eastside

- Washington Plant Materials Technical Note No. 24 - "Plants for Pollinators in the Inland northwest" which can be downloaded at: https://efotg.sc.egov.usda.gov/references/public/OR/Inland_Northwest_Pollinator_Tech_Note_Bio24_030513.pdf
- For MLRAs 6, 7 and 8, refer to: 327 OR GD - found in Conservation Cover (327) folder at Oregon FOTG in Section IV: <https://efotg.sc.egov.usda.gov/#/state/OR/documents/section=4&folder=-42>
- Intermountain Seeding Guide: https://efotg.sc.egov.usda.gov/references/public/OR/Intermountain_Planting_Guide.pdf
- Pullman PMC Vegetative Solutions to Conservation Problems: https://efotg.sc.egov.usda.gov/references/public/OR/Pullman_PMC_Plant_List.pdf

Seed and Plant Vendors - places to find plants

- Oregon Plant Material Technical Note No. 9 – “Plant and Seed Vendors for Oregon, Washington, Idaho, and Northwest California”
<https://efotg.sc.egov.usda.gov/references/public/OR/PMC09.pdf>
- To be released Summer, 2023 - Oregon Flora Project Website – Gardening Portal – Nurseries that supply native plants: <https://oregonflora.org/garden/>

Design Approvals & Acknowledgements:

Design Approval	Date	Job Approval Authority
Designed by:		
Approved by:		

Client's Acknowledgement Statement:

The client acknowledges:

- I have received a copy of the specification and understand the contents and requirements.
- It is my responsibility to obtain all necessary permits and/or rights and to comply with all ordinances and laws pertaining to the application of this practice.
- I will not begin installation of this practice until I have received appropriate approval to do so. I understand NRCS also has Federal and state laws to comply with that may take some time to address (e.g. cultural resources).

Client's	Date
Signature	

Certification Documentation:

	Field Evaluation: Post-treatment inventory, measurements, notes, as-built, and supporting documentation (document completion in conservation plan), as required.
	Map(s): Including field numbers, fields treated, and units treated (may document on conservation plan map), as required.
	Photos or other supporting documentation (e.g., seed tags, soil tests, receipts, invoices, spray records, fertilizer records, etc.)
Brief Description of Work Accomplished (types of equipment used, date of application, extents and quantities installed, etc.)	

Certification Statement:

The employee certifies the implementation of this conservation practice:

- Meets the purpose, general criteria, and any required additional criteria as documented in the conservation practice standard and/or enhancement sheet.
- Meets the specifications contained herein and is complete.
- Conforms to my existing Job Approval Authority controlling factors and levels.

Name	Date	Job Approval Authority

Field Level Certification – For multiple applications of this design.				
Land Unit/ Contract Item Number	Date	Unit(s)	Amount Installed	Certifier