



CROPLAND ENHANCEMENT BUNDLE

B000CPL25

CONSERVATION STEWARDSHIP PROGRAM

Crop Bundle # 25- Climate Smart Advanced Soil Health

CONSERVATION PRACTICE: 328 - Conservation Crop Rotation, 329 - No Till, 340 - Cover Crop, 345 - Reduced Till, 590 - Nutrient Management, 595 - Pest Management Conservation System

APPLICABLE LAND USE: Crop (Annual & Mixed)

RESOURCE CONCERN: Soil, Water, Animals, Plants, Air

ENHANCEMENT LIFE SPAN: 1 years

Enhancement Description

Improve crop land soil health by increasing plant diversity and minimizing soil disturbance. By implementing a combination of Enhancements selected for site-specific conditions to reduce physical and chemical soil disturbance, curb runoff and erosion, optimize plant cover and living root, diversify the farm ecosystem, improve nutrient cycling, and manage pests, a synergy is achieved to build healthy living soils, sustain plant productivity and health, sequester carbon, protect water and other resources including biodiversity, and provide beneficial habitat.

Criteria

- All the component enhancements in the required group, along with three additional component enhancements, must be adopted as shown in the table below.
- If an applicant has already adopted one or more component enhancements within a bundle, the applicant may schedule the bundle as long as the applicant is newly adopting the majority (more than 50 percent) of the component enhancements within the bundle.
- Applicants may choose to adopt a bundle on any portion of the agricultural operation and will be required to install component enhancements on all applicable acres where the bundle is adopted.

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- The bundle is scheduled in the year in which all component enhancements in the bundle are applied but no later than the third fiscal year of the contract.
- This Bundle may be applied multiple times.

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Documentation and Implementation Requirements

Participant will:

- Follow the documentation and implementation requirements outlined in the respective enhancement job sheets to document the implementation of each component enhancement in the bundle.
- Prior to and after implementation, document the planned amount, fields, applied amount and the year each component enhancement in the bundle is applied on the following table.

Component Enhancement Code	Tract, Field Number or Name	Planned Amount (units)	Applied Amount (units)	Year(s)
Adopt the following component enhancement				
E595B -Reduce risk of pesticide in water and air by utilizing IPM PAMS techniques				
Adopt one component enhancement from this group				
E345D- Reduced tillage to increase soil health and soil organic matter				
E329D- No till system to increase soil health and soil organic Matter				
E590A- Improving nutrient uptake efficiency and reducing risk of nutrient losses				
Adopt one component enhancement from this group				
E328K- Multiple crop types to benefit wildlife				
E328J- Improved crop rotation to provide benefits to pollinators				
Adopt one component enhancement from this group				



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E340B- Intensive cover cropping to increase soil health and soil organic matter				
E340C- Use of multi-species cover crops to improve soil health and increase soil organic matter				
E340E- Use of soil health assessment to assist with development of cover crop mix to improve soil health				

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



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OREGON SUPPLEMENT TO CONSERVATION ENHANCEMENT ACTIVITY BUNDLE B000CPL25

Explanation of bundled enhancements:

Enhancement E329D should not be scheduled with a cover crop with the establishment method of drilling in between crops.

Per the 329-Residue Management, No-till standard:

The soil tillage intensity rating (STIR) value shall include all field operations that are performed during the crop interval between harvest and termination of the previous cash crop and harvest or termination of the current cash crop (includes fallow periods). The crop interval STIR value shall be no greater than 20.

If E329D is scheduled, cover crops should be broadcast applied as long as the STIR between cash crops is no greater than 20. Also consider the termination method of the cover crop and how that affects the STIR.

Alternatively, E345D may be applied with cover crops established with drilling.

The STIR value shall include all soil disturbance field operations that are performed during the crop interval (i.e., from the time immediately following harvest or termination of one cash crop through harvest or termination of the next cash crop in the rotation, including fallow periods). The crop interval STIR value rating shall be no greater than 80, and no primary inversion tillage implements (e.g., moldboard plow) shall be used.