



BUNDLES

CROPS BUNDLE #6

CONSERVATION STEWARDSHIP PROGRAM

| B000CPL6 | Crop Bundle#6 - Soil Health Assessment, Reduced till | Addresses soil quality degradation, insufficient water, water quality degradation, and fish/wildlife inadequate habitat |
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| Code | Enhancement Name | Description |
| DO ALL ENHANCMENTS IN THIS GROUP | | |
| E328106Z2 | Modifications to improve soil health and increase soil organic matter | Use of soil health assessment to evaluate impact of current conservation crop rotation in addressing soil organic matter depletion (primary assessment made in Year 1). Modifications to the crop rotation and/or crop management will be made as a result of the assessment results (adding a new crop and/or cover crop to the rotation; making changes to planting and/or tillage system, harvest timing of crops, or termination timing of cover crops). During Year 3 a follow up assessment will be completed to allow time for the modifications to show increased soil organic matter. Modified system must produce a positive trend in the Organic Matter (OM) subfactor value over the life of the rotation, as determined by the Soil Conditioning Index (SCI). The current NRCS wind and water erosion prediction technologies must be used to document the rotation and SCI calculations. |
| E345115Z | Reduced tillage to increase plant-available moisture: moisture management | Establish a reduced till system to increase plant-available moisture. Each crop in the crop rotation shall have a Soil Tillage Intensity Rating (STIR) of no greater than 80. The current NRCS wind and water erosion prediction technologies must be used to document STIR calculations. Maintain a minimum 60 percent surface residue cover throughout the year to reduce evaporation from the soil surface. |
| E595116Z | Reduce risk of pesticides in surface water by utilizing IPM PAMS techniques | Utilize integrated pest management (IPM) prevent, avoidance, monitoring, and suppression (PAMS) techniques to reduce risk of pesticides in surface water and reducing the potential for delivery of chemicals into water bodies. |
| E590118Z | Improving nutrient uptake efficiency and reducing risk of nutrient losses to surface water | Nutrient management encompasses managing the amount, source, placement, and timing of the application of plant nutrients and soil amendments. Nutrients are currently being applied on the farm based on the 4R nutrient stewardship principles. Enhanced nutrient use efficiency strategies or technologies are utilized to improve nutrient use efficiency and reduce risk of nutrient losses. |
| E327136Z1 | Conservation cover to provide food habitat for pollinators and beneficial insects | Seed or plug nectar and pollen producing plants in non-cropped areas such as field borders, vegetative barriers, contour buffer strips, grassed waterways, shelterbelts, hedgerows, windbreaks, conservation cover, and riparian forest and herbaceous buffers. |