

Plant Enhancement Activity – PLT06 – Renovation of a windbreak, shelterbelt or hedgerow for wildlife habitat



Enhancement Description

This enhancement is for the renovation of existing sites that are declining in vigor, need additional woody plants (trees or shrubs) or otherwise no longer provide wildlife habitat benefits. Existing rows of woody plants may be thinned, removed or replaced with new plantings. Existing woody plants may be pruned, either branches or roots or both, to improve windbreak function, health and vigor.

Land Use Applicability

Cropland, Pastureland, Rangeland

Benefits

Renovation restores the function of existing windbreaks, shelterbelts or hedgerows to provide wildlife habitat benefits as well as other benefits such as reduced wind erosion, pesticide drift, mitigation of odor and noise and controlled snow deposition. Species composition may be upgraded by adding trees or shrubs that produce wildlife food and shelter as well as wood products and visual quality, such as spring blossoms or fall colors. Woody species threatened by pests such as emerald ash borer can be replaced with more resilient species that provide wildlife habitat benefits.

Conditions Where Enhancement Applies

This enhancement applies only to the acres of existing windbreaks or shelterbelts in the crop or pasture land use.

Criteria

1. Identify wildlife species to be benefited by the renovation,
2. Develop a plan for new trees and/or shrubs that will provide the desired habitat and windbreak or shelter belt functions,
3. Remove dead or dying trees that do not provide the desired habitat unless habitat for cavity nesting wildlife is desired,
4. Remove other trees or invasives that do not provide the desired habitat,
5. Replace removed trees by planting new trees or shrubs that will provide the desired habitat while serving the required windbreak or shelter belt function, and
6. Prune or thin less desirable trees to encourage the growth of trees that will provide wildlife habitat and windbreak or shelter belt functions.



United States Department of Agriculture
Natural Resources Conservation Service

2012 Ranking Period 1

Adoption Requirements

This enhancement is considered adopted when all six criteria above have been implemented.

Documentation Requirements

1. Brief written description of the tasks completed with dates and any receipts for planting stock, herbicides, etc.,
2. Delineations on a map or aerial photo of renovated windbreak, and
3. Photos of before and after renovation.

PLANT ENHANCEMENT ACTIVITY

PLT06 – OR Renovation of a Windbreak or Shelterbelt for Wildlife Habitat

Criteria

- Targeted wildlife species typically include upland game birds (quail and pheasants), migratory songbirds, and deer.
- Select species from the list below to accomplish renovation:

Deciduous Trees

American Plum
Black Cottonwood
Black Locust
Imperial Carolina Poplar
Common Chokecherry
Golden Willow
Green Ash
Lombardy Poplar
Narrowleaf Cottonwood
Red Alder
Red Mulberry
Silver Maple
Tall Purple Willow
White Willow
Sitka Willow
Erect Willow
Pacific Willow
Hooker Willow

Shrubs

Amur Maple
Arnold hawthorn
Big Saltbush
Bitterbrush
Cotoneaster
Douglas Spirea
Fourwing Saltbush
Golden current
Nanking Cherry
Oceanspray
Osage Orange
Peking Cotoneaster
Redosier Dogwood
Sitka Alder
Pacific Serviceberry
Siberian Peashrub
Silver Buffaloberry
Skunkbush Sumac
Vine Maple
Woods rose

Coniferous trees

Austrian Pine
Blue Spruce
Douglas-fir
Incense Cedar
Lodgepole pine
Ponderosa Pine
Rocky Mtn. Douglas-fir
Rocky Mtn. Juniper
White Fir
Grand Fir
White Spruce