

Environmental Quality Incentives Program

2013 EQIP Signup

Minnesota Supplement for:
Practice Standard 612 – Tree and Shrub Establishment

Supplemental Criteria - General

1. Payment rate includes cost of seedlings, planting, animal deterrent devices and establishment.
2. Consult General Provision 9 for site preparation information when using planted stock.
3. Consult General Provision 16 for establishment weed control information.
4. For site preparation, use Tree and Shrub Site Preparation (490) as a facilitating practice.

Wildlife Criteria

1. Financial assistance is only available for establishing and restoring **mixed native hardwood and conifer species in historically forested landscapes**. The exception being winter cover block plantings which are allowable statewide.
2. Solid wildlife plantings shall not be more than 550, or less than 300 stems per acre.

Scenarios

Individual tree, hand planting

Tree seedlings will be hand planted in the forested area where few or no forest trees are growing, the existing stand of trees needs underplanting, or the previously planted seedling tree stocking level is below desirable conditions. Wildlife habitat is degraded by loss of forest conditions. This resource concern addressed is degraded plant condition -- and inadequate structure and composition, and inadequate wildlife & fish habitat.

Individual tree, hand planting w/ browse protection

Tree seedlings will be hand planted in the forested area where few or no forest trees growing, the existing stand of trees needs underplanting, or the previously planted seedling tree stocking level is below desirable conditions. Seedlings are protected from wildlife browsing by installing animal deterrent devices, including, open tree tubes, bud caps or spray deterrents. Wildlife habitat is degraded by loss of forest conditions. This resource concern addressed is degraded plant condition -- and inadequate structure and composition, and inadequate wildlife & fish habitat.

Medium Density, hand plant, Hardwood, protect from wildlife

This practice involves planting of tree seedlings after the site has been prepared for seedling growth and establishment. The productivity of the site is good and will handle a medium density planting rate. Newly planted conifer seedlings are protected from browsing by installing animal deterrent devices, including, open tree tubes, bud caps or spray deterrents. Resource concerns

addressed are degraded plant condition -- undesirable plant productivity and health, and inadequate structure and composition and degraded wildlife habitat. Terrain is moderately to steeply sloping, too steep to be planted with a mechanical tree planter so the area is hand planted. Land was cropped in the typical corn, soy, wheat rotation and will be taken out of production and planted to trees.

Medium Density, hand plant Conifer

This practice involves planting of tree seedlings after the site has been prepared for seedling growth and establishment. The productivity of the site is good and will handle a medium density planting rate. Resource concerns addressed are degraded plant condition -- undesirable plant productivity and health, and inadequate structure and composition and degraded wildlife habitat. Terrain is moderately to steeply sloping, too steep to be planted with a mechanical tree planter so the area is hand planted. Land was cropped in the typical corn, soy, wheat rotation and will be taken out of production and planted to trees.

Medium Density, Conifer, Mechanical planter

This practice involves planting of tree seedlings after the site has been prepared for seedling growth and establishment. The productivity of the site is good and will handle a medium density planting rate. The resource concerns addressed is degraded plant condition -- undesirable plant productivity and health, and inadequate structure and composition and degraded wildlife habitat. Terrain is moderately sloping and will be planted with a mechanical tree planter. Smaller size seedlings (1-0) are planted. Land was cropped in the typical corn, soy, wheat rotation and will be taken out of production and planted to trees.

High Density planting, machine planted

This practice applies to cropland used to establish forestlands that are to be actively managed. Land was cropped in the typical corn, soy, wheat rotation and will be taken out of production and planted to trees. Tree seedlings are planted after the site has been prepared for seedling establishment and growth. Forest site productivity is high or very high and dense planting is planned. Larger containerized seedlings are planted. Resource concerns addressed are degraded plant condition -- undesirable plant productivity and health, and inadequate structure and composition and degraded wildlife habitat. Terrain conditions allow for mechanical tree planting.

Hardwood hand planting, supplemental underplanting, bare root-protected

Improving the hardwood forest setting by hand planting hardwood tree seedlings. Seedlings are protected from deer browsing. The number of trees to plant is lower than establishing a new forest. Resource concerns are degraded plant condition - undesirable productivity and health, and inadequate structure and composition; inadequate habitat for fish and wildlife - habitat degradation.

Hardwood Planting, no tree protectors, noncropland site (no foregone income)

Hardwood seedlings (bare root) to be planted to reestablish an upland hardwood forest. Planting will be by hand. The resource setting is an area that historically was an upland hardwood forest.

Resource concerns are degrade plant condition - undesirable productivity and health, and Inadequate structure and composition; inadequate habitat for fish and wildlife.

Hardwood Est., Direct Seeding

Native seed (acorns, nuts, etc.) from native tree species are directly planted in the soil. Site preparation is completed (disking to eliminate competing vegetation). The native seed are collected/purchased locally so as to get trees known to be adapted to local conditions. Resource concerns are degraded plant condition, inadequate habitat for fish and wildlife. Land was cropped in the typical corn, soy, wheat rotation and will be taken out of production and planted to trees.

Shrub Planting, Supplemental Underplanting

Shrubs are planted to provide a more diverse habitat. Plantings are in either uplands or bottomlands. The site lacks ground level habitat structure and diversity for wildlife. Resource concern is inadequate habitat for fish and wildlife - habitat fragmentation.