**alliance practice worksheet**

NORTH DAKOTA

TREE/SHRUB ESTABLISHMENT (612)

*The conditions and specifications below are adapted from the Natural Resources Conservation Service. Producers who are installing these practices under the Alliance will use the conditions and implementation guides below but are exempt from NRCS verification and certification. Completing the Purposes and Practice Specifications on this document is sufficient to self-verify practice installation and completion.*

# Farm Info

|  |  |
| --- | --- |
| Name | Click or tap here to enter text. |
| County | Click or tap here to enter text. |
| Alliance Contract Number | Click or tap here to enter text. |
| Field Number(s) | Click or tap here to enter text. |
| Tract Number(s) | Click or tap here to enter text. |
| Practice Area | Click or tap here to enter text. |

# PRACTICE: TREE/SHRUB ESTABLISHMENT (612)

**DEFINITION**: Establishing woody plants by planting, direct seeding, or through natural regeneration.

**MINIMUM REQUIREMENTS FOR TREE/SHRUB ESTABLISHMENT (612):**

<https://efotg.sc.egov.usda.gov/api/CPSFile/23784/612_ND_CPS_Tree-Shrub_Establishment_2016> and <https://efotg.sc.egov.usda.gov/api/CPSFile/23786/612_ND_PS_Tree_Shrub_Establishment_2010>

**AT A MINIMUM, PRODUCERS WILL PROVIDE A RECORD OF THE FOLLOWING:**

* Maps indicating planting
	+ Soil type(s) in planting area
	+ Identify row length, width, and in-row spacing
* Planting information
	+ Date planted
	+ Planting method
	+ Density and spacing
	+ Species planted

# GENERAL CRITERIA APPLICABLE TO ALL PURPOSES

* Species will be selected for their rate of growth, lifespan, historic range, mature size, suitability for retention as wildlife or legacy species, and/or suitability for use in long-lived sustainable wood products as well as their adaptability to current and future site conditions, including soil type.
* Selection of species should also be chosen according to the site's natural disturbance regime. Species should be selected based on traits, successional status, structure, and composition.
* Build forest resilience by favoring existing species that are better adapted to projected future climate conditions, and by enhancing relative compositional and structural diversity.
* Do not plant species on the Federal or State invasive species or noxious weed lists.
* Only viable, high-quality, and site-adapted planting stock or seed will be used.
* Implementation and timing of planting will be appropriate for the site and ensure successful establishment.
* Planting must be protected from unacceptable adverse impacts from insects, disease, wildlife, and/or fire. Apply supporting practices and treatments to protect establishing trees and shrubs, as necessary.

# Additional Criteria for Sequestering and Storing Carbon

* For shorter term, rapid carbon sequestration, select species that have high-growth rates, recognizing that they are typically short-lived.
* For longer term storage of carbon, select plants with a long-life span, the ability to reach a large size, high-wood density, and potential for use in long-lived products. Establish and maintain a fully stocked stand.

# Practice Certification Documentation

*The practice can be certified complete following the planting of the adapted tree and shrub species.*

**TREE/SHRUB ESTABLISHMENT**

|  |  |
| --- | --- |
| Planting Date | Click or tap here to enter text. |
| Planting Method | Click or tap here to enter text. |
| Tree/Shrub Spacing | Click or tap here to enter text. |

**ESTABLISHMENT CONSIDERATIONS, CONTINUED**

|  |  |  |  |
| --- | --- | --- | --- |
| Species | Vegetative or Rootstock | Size | Protection (tubes, mats, nets) |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |

|  |
| --- |
| **Notes:**Click or tap here to enter text. |

# PRODUCER SELF-CERTIFICATION

By signing below, I certify that I have reviewed all required documentation and have implemented the practice and met all criteria and requirements as defined in the Natural Resources Conservation Service **TREE/SHRUB ESTABLISHMENT (612)** standard and specifications for the identified acres or animal units.

Further, I agree that:

[ ]  I have not received a payment for this conservation practice on these fields and acres from another USDA Conservation Program or another USDA Partnership for Climate-Smart Commodities grant partner.

[ ]  I will retain all practice documentation to support this certification for up to 12 months following practice adoption and will provide this documentation to the Alliance if selected for a spot check. *(Up to 10% of enrolled Alliance participants will be randomly selected for spot checks).*

|  |  |
| --- | --- |
| **Producer Name:** | Click or tap here to enter text. |
| **Date:** | Click or tap to enter a date. |