



# North Carolina CREP Conservation Planning Matrix



## CP3 – Tree Planting

### Fundamentals

Cropland only. Minimum enrollment width: N/A Maximum enrollment width: 300 feet

Planting for CREP CP3 is restricted to Shortleaf Pine (*Pinus echinata*). Substitution of other trees is not allowed. Planners are expected to review FOTG's Tree/Shrub Establishment (612) criteria and soils data regarding site's productivity and management limitations for Shortleaf pine to determine if the practice is needed and feasible before referring to a forester for a tree planting plan.

Whole field enrollment, not to exceed 300 ft., is acceptable on sites where Shortleaf pine is adapted and that meet other CREP eligibility requirements.

### Establishment

Conservation Cover (327), non-cost shared for the duration of contract

Firebreak (394) leave unplanted firebreak where needed to protect planting, establishment is not-cost shared.

Tree/Shrub Site Preparation (490), as recommended in NCDFR plan

Tree/Shrub Establishment (612), as recommended in NCDFR plan

Forest Stand Improvement (666), as recommended in NCDFR plan

### Required Management

10-year Contract: Disk to refresh firebreaks 2 times before 8<sup>th</sup> year of contract.

15-year Contract: Disk to refresh firebreaks 4 times before 12<sup>th</sup> year of contract.

## CP3A – Hardwood Tree Planting

### Fundamentals

Cropland only. Minimum enrollment width: N/A Maximum enrollment width: 300 feet

Planners are expected to review FOTG's Tree/Shrub Establishment (612) criteria and soils data regarding site's productivity and management limitations for hardwood, Longleaf pine, or Atlantic white cedar trees to determine if the practice is needed and feasible before referring to a forester for a tree planting plan.

Whole field enrollment, not to exceed 300 ft., is acceptable on sites where hardwood trees are adapted and that meet other CREP eligibility requirements.

In addition to the conventional broadleaf deciduous hardwoods, establishment of Bald cypress, Longleaf pine, and Atlantic white cedar is permissible on suitable sites meeting eligibility for this practice.

### Option 1: Hardwoods, including Bald Cypress

#### Establishment

Conservation Cover (327), non-cost shared for the duration of contract

Tree/Shrub Site Preparation (490), as recommended in NCDFR plan

Tree/Shrub Establishment (612), as recommended in NCDFR plan

Forest Stand Improvement (666), as recommended in NCDFR plan

#### Required Management

None.

CP3A continues on next page...

## Option 2: Longleaf Pine

### Establishment

Conservation Cover (327), non-cost shared for the duration of contract

Firebreak (394) leave unplanted firebreak where needed to protect planting, establishment is not-cost shared.

Tree/Shrub Site Preparation (490), as recommended in NCDFR plan

Tree/Shrub Establishment (612), as recommended in NCDFR plan

Forest Stand Improvement (666), as recommended in NCDFR plan

### Required Management

10-year Contract:

1<sup>st</sup> – 3<sup>rd</sup> year: refresh Firebreak (394) AND Prescribed Burn (338)

4<sup>th</sup> – 8<sup>th</sup> year: refresh Firebreak (394) AND Prescribed Burn (338)

15-year Contract:

1<sup>st</sup> – 3<sup>rd</sup> year: refresh Firebreak (394) AND Prescribed Burn (338)

4<sup>th</sup> – 8<sup>th</sup> year: refresh Firebreak (394) AND Prescribed Burn (338)

10<sup>th</sup> – 12<sup>th</sup> year: refresh Firebreak (394) AND Prescribed Burn (338)

*LIMITED EXCEPTION:* Applicable when NRCS and NCDFR determines that burning is prohibited by local ordinance, or is not possible due to extreme hazard to safety, health or property. Specify the following management when the exception is used:

Leave rows unplanted, or widen seedling spacing to accommodate a light disking rotation within the stand. Schedule light disking (647) in the unplanted rows during September 1<sup>st</sup> - April 15<sup>th</sup> twice during first 8 yrs. of a 10-yr. contract, or four times during first 13 years of a 15 yr. contract.

## Option 3: Atlantic White Cedar

### Establishment

Conservation Cover (327), non-cost shared for the duration of contract

Firebreak (394) leave unplanted firebreak where needed to protect planting, establishment is not-cost shared.

Tree/Shrub Site Preparation (490), as recommended in NCDFR plan

Tree/Shrub Establishment (612), as recommended in NCDFR plan

Forest Stand Improvement (666), as recommended in NCDFR plan

### Required Management

10-year Contract: Disk to refresh firebreaks 2 times before 8<sup>th</sup> year of contract.

15-year Contract: Disk to refresh firebreaks 4 times before 12<sup>th</sup> year of contract.

## CP21 – Filter Strip

### Fundamentals

Cropland only. Minimum enrollment width: 20 feet

Maximum enrollment width: 120 feet

Sheet flow across filter strip is required.

The area of un-buffered crop, hay, pasture or other non-forest area that contributes sediment, nutrient, or chemical to runoff to receiving waters though the filter strip must equal or exceed the CP21's extent.

### Establishment

Conservation Cover (327), non-cost shared for the duration of contract

Filter Strip (393)

### Required Management

10-year Contract: If wildlife habitat criteria have been applied, lightly disk (647), or prescribed burn (338) 3-4 times before 8<sup>th</sup> year of contract.

15-year Contract: If wildlife habitat criteria have been applied, lightly disk (647), or prescribed burn (338) 5-6 times before 12<sup>th</sup> year of contract.

## CP22 – Riparian Buffer

### Fundamentals

Cropland and Marginal Pasture can be eligible.

Minimum enrollment width: 35 feet

Maximum enrollment width: 300 feet

Planners are expected to review FOTG's Tree/Shrub Establishment (612) criteria and soils data regarding site's productivity and management limitations for deciduous trees to determine if the practice is needed and feasible before referring to a forester for a tree planting plan.

The area of un-buffered crop, hay, pasture or other non-forest area that contributes sediment, nutrient, or chemical to runoff to receiving waters though the buffer must equal or exceed the CP22's practice extent.

Furnish separate specifications for establishment of trees in Zone 1 and Zone 2, if they are different. Map the zones. Map the Minimal Impact Zone too, when applicable.

### Establishment

Conservation Cover (327), non-cost shared for the duration of contract

Riparian Forest Buffer (391)

Tree/Shrub Site Preparation (490), as recommended in NCDNR plan

Tree/Shrub Establishment (612), as recommended in NCDNR plan

Forest Stand Improvement (666), as recommended in NCDNR plan

Filter Strip (393), if Zone 3 required

Drainage Water Management (554), if water table control is necessary. Cost-shared using components associated w/ Riparian Forest Buffer (391) or Structure for Water Control (587).

### Required Management

10-year Contract: If wildlife openings are planned, or native grass established on Zone 3, lightly disk (647), or prescribed burn (338) 3-4 times before 8<sup>th</sup> year of contract.

15-year Contract: If wildlife openings are planned, or native grass established on Zone 3, lightly disk (647), or prescribed burn (338) 5-6 times before 12<sup>th</sup> year of contract.

## CP23 – Wetland Restoration

### CP23A – Wetland Restoration, Non-Floodplain

#### Fundamentals

Cropland only.

Minimum enrollment width: N/A

Maximum enrollment width: 750 feet

Whole field enrollment, not to exceed 750 ft., is acceptable on former wetland sites that meet CREP eligibility requirements.

#### Establishment

Conservation Cover (327), non-cost shared for the duration of contract

Wetland Restoration (657), for the duration of contract

Tree/Shrub Site Preparation (490), as recommended in NCDNR plan

Tree/Shrub Establishment (612), as recommended in NCDNR plan

Forest Stand Improvement (666), as recommended in NCDNR plan

Structure for Water Control (587), if needed to address site conditions

Dike (356), if needed to address site conditions

#### Elective Management

When manipulation of moist-soil vegetation is specified in the plan, schedule Shallow Water Management for Wildlife

(646), on a 1-3 year rotation throughout the contract duration. Since this is an elective action, no cost share is provided.

## **CP31 – Bottomland Timber Establishment on Wetlands**

### **Fundamentals**

Cropland only. Minimum enrollment width: N/A Maximum enrollment width: 300 feet

Planners are expected to review FOTG's Tree/Shrub Establishment (612) criteria and soils data regarding site's productivity and management limitations for bottomland oaks to determine if the practice is needed and feasible before referring to a forester for a tree planting plan.

Whole field enrollment, not to exceed 300 ft., is acceptable on sites where bottomland hardwood trees are adapted and that meet other CREP eligibility requirements.

### **Establishment**

#### **Hardwood Trees**

Conservation Cover (327), non-cost shared for the duration of contract

Tree/Shrub Site Preparation (490), as recommended in NCDFR plan

Tree/Shrub Establishment (612), as recommended in NCDFR plan

Forest Stand Improvement (666), as recommended in NCDFR plan

#### **Required Management**

None.