Chesapeake Bay Riparian Forest Buffer Initiative

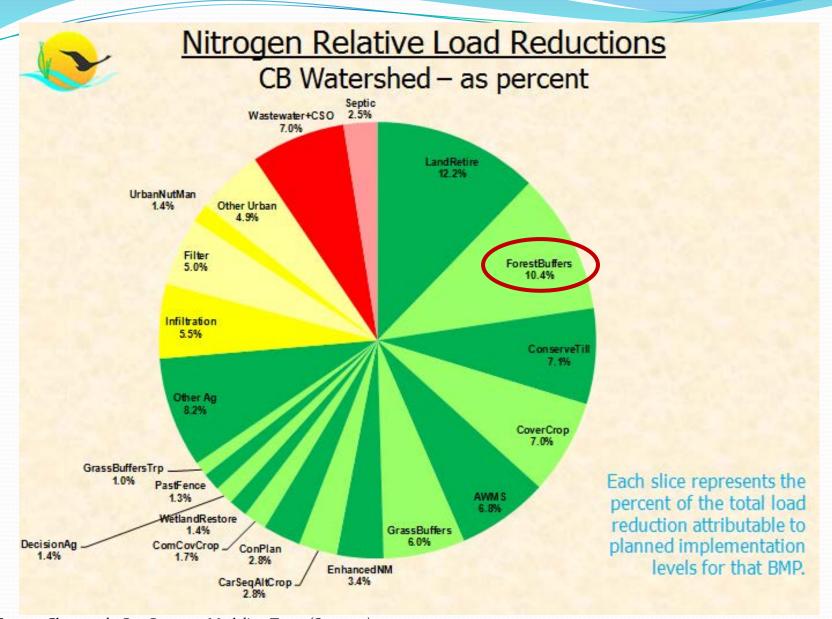
USDA Efforts to Accelerate Implementation



Chesapeake Bay – Riparian Forest Buffer Initiative

- **2**014
 - Leadership summit USDA pledges \$5M
 - Virginia State Task Force (STF) 20+ partners
- **2015**
 - VA STF outcomes and funding request submitted
 - Updates to state policy & technical guidance
- 2016
 - Chesapeake Bay CREP Agreement amended





Data Source: Chesapeake Bay Program Modeling Team (Sweeney)



USDA Farm Bill Programs

 FSA – Conservation Reserve Enhancement Program (CREP)



- Offshoot of CRP
- Partnership program
- Financial & technical assistance



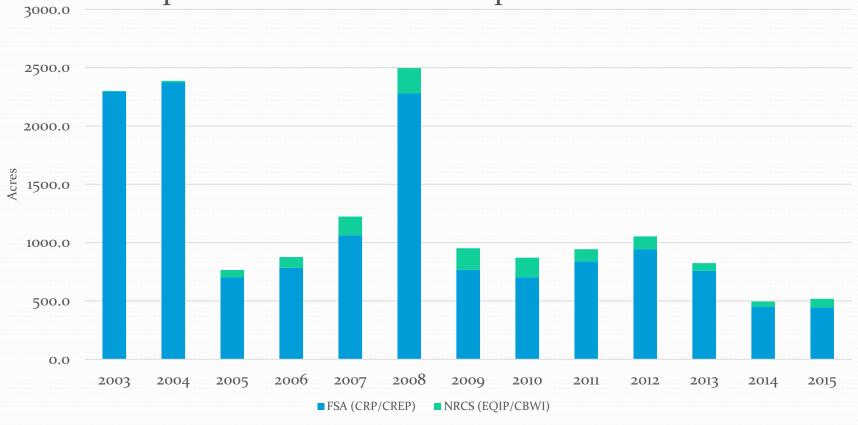


 NRCS – Environmental Quality Incentive Program (EQIP)



USDA Farm Bill Programs

Riparian Forest Buffers Implemented in VA





Key Considerations

- Program Leadership
- 2) Guidance Policies
- 3) Incentives (federal/state/private)
- 4) Technical Assistance Delivery
- 5) Outreach and Maintenance
- 6) Compliance and Re-enrollment



Program Policies and Incentives

- Boost financial assistance
 - Increased cost-share caps ~10%
 - Updated cropland SRR 2015
 - VA DCR increased c/s for CP-22 from 25% to 50% 7/1/2015
- Require NRCS/DOF certification for cost-share
- PIP distributed after establishment verified
- Crack down on noncompliance
 - Use GIS imagery for compliance spotchecks
 - Bi-annual review of contracts



Program Policies and Incentives

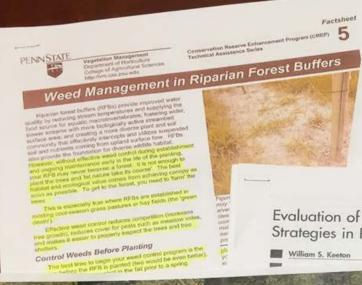
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Technical Recommendations

- ☐ Greater flexibility
 - Species selection/stocking rate
- □ Review planting 'prescriptions'
 - Bareroot seedling vs. 2 yo whip
- Address mowing/weed control
- □Increase capacity for trained **technical assistance**
- □ Focus on permanent land use change to **retain** buffers
 - Closed canopy forest within 15 years





Handling THE GRAPH ABOVE SHOWS ANALL TOO FAMILIAN

Evaluation of Tree Seedling Mortality and Protective Strategies in Riparian Forest Restoration

William S, Keeton

A channe density on herbivory

Asiem and are inter orm of tall fencise

Hardwood Plantation Establishment in Old Fescue-Filled Pastures

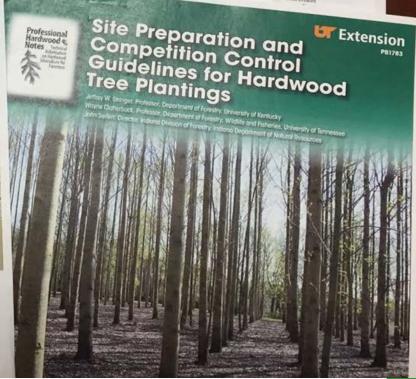
by Vernon "Tad" Norris

Kentucky's landowners have planted many acres of hardwood trees in recent years, but statewide results have been disappointing. To ensure success, certain issues must be addressed well before any roots are covered. Hardwood planting often occurs in fescue fields, and planting in these abandoned pastures creates several challenges. The following recommendation provides one proven approach to deal with planting in these old fields.

Oftentimes when hardwoods are planted into fescue, the fescue winds up out competing the tree seedlings. The denser the fescue is, the worse it is. If you have fescue, try inside of the plant, neither will the herbicide. We are thus limited to a cool-season spraying.

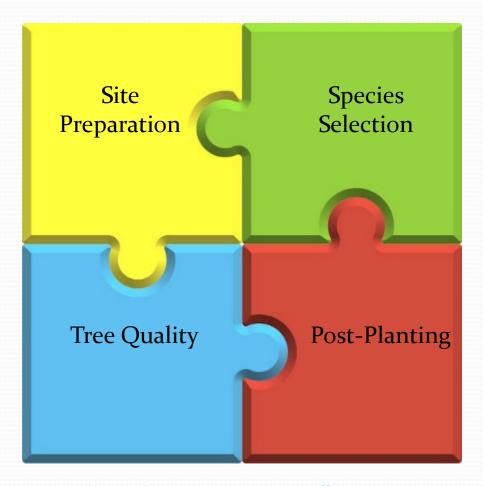
Go ahead and acquire your herbicide in January (this will give you almost enough time-if you're like me -to understand the label). You might also contact your forester, county Extension agent, or local progressive farmer to get any remaining questions answered. Simpler is better, and using more chemical than is recommended doesn't mean you will get better

Start checking the area by mid-March. Look for





Technical Recommendations







Technical Guide Section IV 391-VA-1

NATURAL RESOURCES CONSERVATION SERVICE CONSERVATION PRACTICE STANDARD

RIPARIAN FOREST BUFFER

CODE 391

An area predominantly trees and/or shrubs located adjacent to and up-gradient from watercourses or water bodies.

Dominant vegetation will consist of existing, naturally regenerated, or seeded/planted trees and shrubs suited to the soil and hydrology of the site and the intended of









Virginia CREP Technical Program Guidance

The Conservation Reserve Enhancement Program (CREP) is a voluntary program that provides technical and financial assistance to eligible farmers and landowners to protect environmentally sensitive land, decrease erosion, restore wildlife habitat, and safeguard ground and surface water.

In Virginia, the CREP program is offered on a continuous basis for the Chesapeake Bay and Southern Rivers watersheds. Four different CREP practices are eligible for financial assistance to farmers and landowners to address a variety of purposes including soil, water, wildlife and related natural resource CP21 Filter Strips – Strips of grass used to trap sediment, fertilizers, pesticides, and other

- concerns on their lands.
- pollutants before they reach streams and lakes. Only eligible on cropland. CP22 Riparian Forest Buffer — Plantings of trees and shrubs that catch pollutants in both surface and ground water before those pollutants reach a water body. In addition, riparian forest buffers improve fish and wildlife habitat as a secondary consideration. Eligible on cropland and
 - CP23 Wetland Restoration Restoring natural hydrologic and vegetative conditions that remove sediment, filter runoff, provide groundwater recharge and storm water control as well as provide food, water and cover for a wide variety of wildlife. Only eligible on cropland. CP29 Wildlife Habitat Buffer – Plant native grass and shrub communities to enhance wildlife
 - habitat, remove sediment, and filter nutrients, pesticides, and other pollutants from surface and subsurface flow. Eligible on marginal pastureland.

- Producers have owned or operated the land for at least 12 months prior to application Cropland is considered eligible if it meets the following criteria: **General Program and Practice Requirements**

 - Cropping history according to 2-CRP par. 151: 4 of out 6 years between 2008-20013, or
 - Physically and legally capable of being planted in a normal manner O Marginal Pastureland is considered eligible if it is land that is not cropland or forestland
 - Buffers that exhibit the natural characteristics that are already in place are not eligible to be enrolled in CREP. For riparian forest buffers, "natural characteristics" means an area that already has approximately 30% canopy closure. to be responsible for determining whether or not:

- planting.



Riparian Forest Buffer Virginia Conservation Practice Job Sheet



immediately adjacent and up-gradient of the

Use the Virginia Technical Note Forestry #3. Use the Virginia Technical Note Foresty #3.
Tree and Shrub Establishment Guidelines and
the Virginia Gloot Establishment Guidelines and

Virginia Technical Note Forestry #3 "Tree and Shrub Establishment Guidelines"

United States Department of Agriculture Natural Resources Conservation Service

October 2015

TREE AND SHRUB ESTABLISHMENT GUIDELINES



trees and shrubs successfully takes careful planning and consideration. Not all trees trees and surus successionly taxes careful planning and consideration. For arrival to be planted using the same methods. Special attention is needed for woody plant The choice of what to plant depends on the purpose of the planting, the site and and the availability of the seed, seedlings, or cuttings. There are many factors to and the availability of the seed, seedings, or cuttings. There are many nectors to during and after tree and shrub planting which requires attention to several key ing proper species selection, seedling quality, proper planting technique, and as proper species selection, seeming quarity, proper pranting technique, and erm control of competing vegetation. A successful establishment depends on

RCS Plant Establishment Guide (PEG) at

usda.gov/treemenuFS.aspx for information about choosing and planting ps, plant characteristics, species selection, planting rates, dates for

in the Soil Survey Interpretations - Woodland Suitability, for Individual Soil

FForestry and the Virginia Department of Game and Ind

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Outreach and Marketing

Bay Watershed RFB Specialists













Partner Coordination

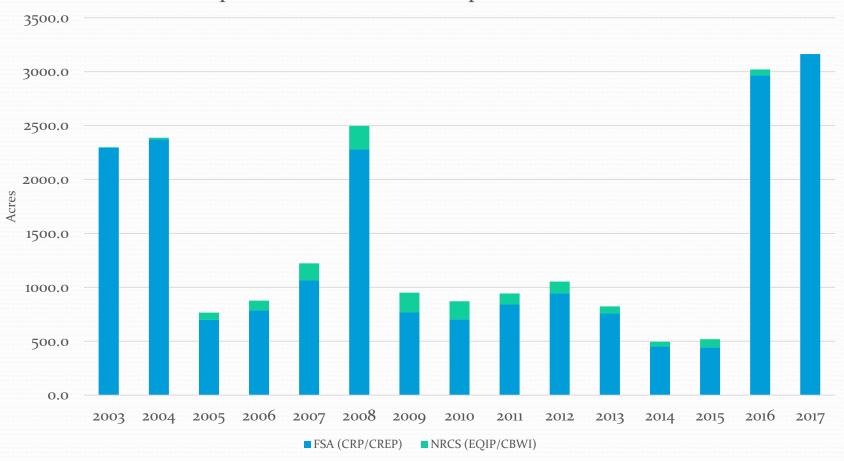
- Joint Training
- Local Working Groups
- QA/QC field reviews
- Signage
- Networking Forum
- Landowner Workshops
- Contractor Workshops





USDA Farm Bill Programs

Riparian Forest Buffers Implemented in VA





Chesapeake Bay Riparian Forest Buffer Initiative

CREP Chesapeake Bay Incentive Payment (CBIP)



Chesapeake Bay Incentive Payment

- \$1M awarded to Virginia
- Financial assistance to CREP participants
- Distributed as an incentive payment
- ONLY within the Chesapeake Bay watershed
- ONLY for RFB (CP-22)
- New and re-enrolled CP-22 acres
- Tiered structure encourages wider RFBs



Chesapeake Bay Incentive Payment

Average Width of RFB	CBIP
35 feet	\$100
36 feet - 50 feet	\$150/acre
51 feet – 100 feet	\$200/acre
101 feet – 300 feet	\$300/acre



Chesapeake Bay Incentive Payment

Questions?

