United States Department of Agriculture
Natural Resources Conservation Service

TN 393 - Filter Strip Implementation Requirements

Producer: _____ **Project or Contract:** _____

Location: _____ **County:** _____

Farm Name: _____ **Tract Number:** _____

Practice Location Map

(showing detailed aerial view of where practice is to be installed on farm/site, showing all major components, stationing, relative location to any landmarks, and survey benchmarks)

Index

____ Cover Sheet

____ Specifications

____ Drawings

____ Cost Estimate and Project Bid Form

____ Operation & Maintenance

Utility Safety / One-Call System Information

Description of work:

_____

NRCS Review Only

Designed By: _____ **Date:** _____

Checked By: _____ **Date:** _____

Approved By: _____ **Date:** _____

TN 393 – Filter Strip
Implementation Requirements

The Practice Purpose(s):

____ Reduce suspended solids and associated contaminants in runoff.

____ Reduce dissolved contaminant loadings in runoff.

____ Reduce suspended solids and associated contaminants in irrigation tail water.

Field Number/Location: _____ **Acres Installed:**_____ **{ŜŜŘŜŘ**

Date: _____

Average Width:_____**Minimum Width:** _____ **Field Border Length:** _____

Site Preparation:_____

Planting Method:_____

Planting Description (*e.g.* shrubs established on outside edge of area, *etc.*):

SEEDING RATES AND SPECIES

Plant species	Lbs/acre of seed (PLS)	Total Lbs of seed for planned acreage
TOTALS =>	0.00	0.00

FERTILIZERS AND AMENDMENTS

Fertilizer Element	Fertilizer Form	Fertilizer Amount (lbs/acre)
N	*e.g. DAP*	as N
P	*e.g. DAP*	as P_2O_5
K	*e.g.* K_2SO_4	as K_2O
S	*e.g.* K_2SO_4	as S
Lime		
Gypsum		

Operation and Maintenance: (check all that apply)

_____ For the purposes of filtering contaminants, permanent filter strip vegetative plantings shall be harvested as appropriate to encourage dense growth, maintain an upright growth habit and remove nutrients and other contaminants that are contained in the plant tissue.

_____ Control undesired weed species, especially state-listed noxious weeds.

_____ If prescribed burning is used to manage and maintain the filter strip, an approved burn plan must be developed.

_____ Inspect the filter strip after storm events and repair any gullies that have formed, remove unevenly deposited sediment accumulation that will disrupt sheet flow, reseed disturbed areas and take other measures to prevent concentrated flow through the filter strip.

_____ Apply supplemental nutrients as needed to maintain the desired species composition and stand density of the filter strip. Follow UT soil testing guidelines and recommendations to apply needed fertilizer and lime. For additional information refer to:

https://ag.tennessee.edu/spp/Pages/soilfertilizerpubs.aspx

_____ Periodically re-grade and re-establish the filter strip area when sediment deposition at the filter strip-field interface jeopardizes its function. Reestablish the filter strip vegetation in these regraded areas, if needed.

_____ Filter strips are designed to have a minimum life span of ten (10) years. To maintain the filter strip, the rate of sediment accumulation should not exceed 0.6 inches per year. Once the accumulation reaches six (6) inches, the filter strip will need to be re-graded and re-established.

_____ If grazing is used to harvest vegetation from the filter strip, the grazing plan must insure that the integrity and function of the filter strip is not adversely affected.

_____ If grazing or haying a filter strip, maintain height of four (4) inches for introduced grasses and eight (8) inches for native warm season grasses.

_____ Organic producers may have to maintain records for five years, as part of their Organic System Plan.