

### **CONSERVATION ENHANCEMENT ACTIVITY**

# CONSERVATION STEWARDSHIP PROGRAM

#### E386C

# Enhanced field borders to decrease particulate emissions along the edge(s) of a field

**Conservation Practice 386: Field Border** 

APPLICABLE LAND USE: Crop (Annual & Mixed); Crop (Perennial);
Associated Ag Land

**RESOURCE CONCERN: Air** 

**ENHANCEMENT LIFE SPAN: 10 years** 

#### **Enhancement Description:**

Enhance existing field borders to a width of at least 40 feet and establish a mixture of species that decrease the particulate emissions along the edge(s) of the field.

#### Criteria:

- Field borders shall be established along selected field edges at a width of at least 40 feet.
- Locate borders to eliminate sloping end rows, headlands, and other areas where concentrated water flows will enter or exit the field.
- Plants selected for field borders will have the physical characteristics to optimize the
  interception and adhesion of airborne particles (species with a mature height of at
  least 2 feet). No plant listed by the state as a noxious or invasive species shall be
  established in the field border.
- Seedbed preparation, seeding rates, dates, depths, fertility requirements, and planting methods will be consistent with approved local criteria and site conditions.

E386C - Enhanced field borders to decrease	July 2019	Page   1
particulate emissions along the edge(s) of a		
field		



 Ephemeral gullies and rills present in the planned border area will be eliminated as part of seedbed preparation. If present, ephemeral gullies and rills located immediately upslope from the planned border area need to be treated to ensure more of

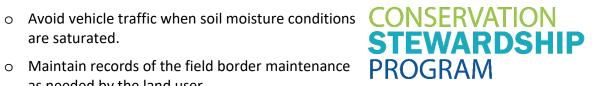


- border area need to be treated to ensure more of a sheet flow into the planned border area.
- Do not burn the field border.
- Operation and maintenance requirements.
  - o Repair storm damage.
  - Remove sediment from above, within and along the leading edge of the field border when accumulated sediment either alters the function of the field border or threatens the degradation of the planted species.
  - Shut off sprayers and raise tillage equipment to avoid damage to field borders.
  - Shape and reseed border areas damaged by animals, chemicals, tillage, or equipment traffic.
  - Do not use the field border as a hay yard or machinery parking lot for any extended period of time, especially if doing so will damage or impair the function of the border.
  - Schedule mowing, harvest, weed control, and other management activities within the field border to accommodate the plants ability to intercept particulate emissions.
     Vehicle traffic should be avoided in the field border area.
  - Maintain desired vegetative communities and plant vigor by liming, fertilizing, mowing, disking, or burning and controlling noxious and invasive weeds to sustain effectiveness of the border.
  - o Repair and reseed ephemeral gullies and rills that develop in the border.
  - When managing for wildlife, maintenance activities that result in disturbance of vegetation should not be conducted during the primary nesting, fawning and calving seasons. Activities should be timed to allow for regrowth before the growing season ends whenever possible.
  - Periodic removal of some products such as medicinal herbs, nuts, and fruits is permitted provided the conservation purpose is not compromised by the loss of vegetation or harvesting disturbance.

E386C - Enhanced field borders to decrease	July 2019	Page   2
particulate emissions along the edge(s) of a		
field		



- as needed by the land user.







# **Documentation and Implementation Requirements:**

D	ocumentation and	Implementation Requiremen			
D:	articipant will:		STEWA	RDSHIP	
г <b>(</b>		ntation, prepare the planned	PROGRA	M	
ш		tablishment. Refer to NRCS C	icics		
	-	5). (NRCS will provide technica			
	·	order extension =	feet	otal plannea	
	Prior to implemen	ntation, select adapted specie	s of permanent grass, for	bs and/or	
	shrubs that accon	nplish the design objective ar	d are best suited to site co	onditions. (NR <mark>CS</mark>	
_		nical assistance, as needed.)			
	Species	Seeding Rate	Note specific species c	haracteristic(s)	
F		(lb/ac pure live seed)			
F					
	technique and tin technical assistan	ntation, determine liming and ning appropriate for the site and the si			
	Planting Date				
	Planting Technique				
	Lime and Fertilizer Requirements				
		tation, install and maintain e		s needed for the	
	site. (NRCS will pr	rovide technical assistance, as	needed.)		
	During implementation, notify NRCS of any planned changes to verify changes meet NRCS enhancement criteria.				
	During implemen	tation, protect the planting f	om plant and an <mark>imal pest</mark>	s and fire.	
	After implementa and fire.	ation, maintain and protect th	e planting from plant and	animal pests	

E386C - Enhanced field borders to decrease	July 2019	Page   4
particulate emissions along the edge(s) of a		
field		



	borde	mplementation, verify the total amount of field implemented. Total implemented amount of order extension =feet CONSERVATION STEWARDSHIP PROGRAM	
NR	CS will:		
	Prior to bound	o implementation, verify the enhancement is planned within the field(s) or farm ary.	
		o implementation, provide and explain NRCS Conservation Practice Field Border 386) as it relates to implementing this enhancement.	
	Prior to implementation, verify the enhancement is planned for acres that have been appropriately prepared for vegetation establishment. Total planned amount of field border extension =feet		
	Prior to implementation, verify no plants on the Federal or state noxious weeds list are included.		
	As needed, prior to implementation, NRCS will provide technical assistance:		
	0	Planning site preparation meeting NRCS Conservation Practice Standard Field Border (Code 386).	
	0	Selecting the adapted species of permanent grass, forbs and/or shrubs that accomplish the design objective and are best suited to site conditions.	
	0	Selecting planting techniques and timing appropriate for the site and soil conditions.	
	0	Planning the use of additional erosion control, as needed for the site.	
	0	Preparing specifications for applying this enhancement for each site using approved state implementation requirements, national technical notes, appropriate state technical notes, and narrative statements in the conservation plan, or other acceptable documentation.	
	_	implementation, evaluate any planned changes to verify they meet the cement criteria.	

E386C - Enhanced field borders to decrease	July 2019	Page   5
particulate emissions along the edge(s) of a		
field		



	After implementation, verify the vegetation was established to specifications developed for the s		CONSERVATION STEWARDSHIP			
	After implementation, verify the planting is prot from pests and fire.	ected	PROGRAM			
	<ul> <li>After implementation, verify all erosion control needed for the site is functioning and is maintained to specifications developed for the site.</li> </ul>					
	☐ After implementation, verify the total amount of field border implemented. Total implemented amount of field border extension =feet					
NRCS	NRCS Documentation Review:					
I have reviewed all required participant documentation and have determined the participant has implemented the enhancement and met all criteria and requirements.						
Pa	rticipant Name	_ Co	ontract Number			
То	tal Amount Applied	Fi	iscal Year Completed			
NR	RCS Technical Adequacy Signature	Date				

E386C - Enhanced field borders to decrease	July 2019	Page   6
particulate emissions along the edge(s) of a		
field		