

Animal Enhancement Activity - ANM07- Extending existing field borders for water quality protection and wildlife habitat



Enhancement Description

Where existing field borders are utilized, extend them to gain more efficiency in intercepting overland flow and reducing the transport of nutrients, pesticides and agro-chemicals.

Land Use Applicability

Cropland and pastureland.

Benefits

Widening existing field borders that currently meet NRCS conservation practice standard criteria can provide food and cover for native and game species as well as enhancing wildlife habitat. Extended field borders offer more surface area to filter out sediments and agro-chemicals. Field borders can also offer buffers to mitigate pesticide drift during pesticide applications and pollen drift where the mixing of plant varieties is not desired.

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Wildlife species utilize transition zones between agricultural fields because they provide a unique combination of cover and often provide important travel corridors. Often times field borders are adjacent to riparian areas and are important for contributing clean water, and habitat areas nearby. Extending existing field borders not only enhances wildlife habitat but it increases the effectiveness of water quality protection if the border is next to a stream.

Criteria for Extending Existing Field Borders

Existing field borders must meet minimum state requirements for width. Extend the existing field border for a total of 60 feet or more to enhance habitat and water quality functions.

The extended field borders must be composed of at least 5 species of non-noxious, wildlife friendly grasses, perennial forbs and /or shrubs best suited to site conditions. Include species that provide pollinator food and habitat where possible.

1. All site preparation and plant establishment shall be accomplished according to the appropriate NRCS conservation practice standard criteria and specifications.
2. Any use of the field border must not compromise its intended purpose. Vegetation from field borders can be harvested for bio-energy as long as the harvesting is done in accordance with a plan that does not compromise the water quality and wildlife benefits of the extended filter strip.
3. To the extent possible the field border areas and extended field border areas will be vegetated to increase overland flow interception and increase water quality values if they also border a stream or water body.



4. The extension of field borders can incorporate other buffer types (filter strips, riparian herbaceous and riparian forest) where applicable to meet specific operator management goals.

Operation and Maintenance

1. Once established, field borders must not be mowed, disked, grazed, or otherwise disturbed, until after the primary wildlife ground nesting period has ended.
2. Field border will be regularly maintained for its intended purpose through the life of the contract. This includes any removal of vegetation, including grazing.
3. Grazing is allowed if a grazing management plan is used that protects the integrity, diversity and function of the riparian area.
4. Field borders will have a wildlife management plan to maintain established plant communities through the life of the contract. The wildlife plan will maintain the plant community and its structural diversity and provide habitat for intended species.

Documentation Requirements

1. A map showing the location and size of enhanced field borders.
2. Documentation of the type and rates of vegetation planted in the new field borders.

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The average width of the existing field border must be a minimum of 20 feet and up to a maximum of 140 feet in order to be eligible to apply this enhancement.

The average total width of the field border following installation of the enhancement must be a minimum of 60 feet up to a maximum of 150 feet.

Note: If the existing field border is an average width between 20 to 50 feet, the participant must extend the field border area so that the total width of the field border following installation of the enhancement will be a minimum average of 60 feet. If the existing filter border is an average width between 50 to 140 feet, the participant must at extend the field border area by a minimum width of 10 feet.

Wisconsin supplement information is continued on next page...

Wisconsin Supplement 1/11/2011 Continued (ANM07: 2011 Ranking Period 1)

Follow Wisconsin Conservation Practice Standard 386 (Field Border) and Wisconsin Agronomy Technical Note 5 and/or 6:

<http://efotg.sc.egov.usda.gov/references/public/WI/386.pdf>

<ftp://ftp-fc.sc.egov.usda.gov/WI/technotes/agronomy-tn5.pdf>

<ftp://ftp-fc.sc.egov.usda.gov/WI/technotes/agronomy-tn6.pdf>

Primary ground wildlife nesting season is from May 15 through August 1st.

Written documentation shall include a summary of the moisture regime of the site, the method of establishment and the plant species established. Provide an annual summary of site management and weed control activities implemented.