



United States Department of Agriculture

CRP Grassed Waterways Re-Enrollments

Indiana Natural Resources Conservation Service – March 2016 (ver. 1.4)

CRP Grassed Waterways Re-Enrollment Program Job Sheet

Landowner:			County:	
Farm:	Tract:	Field(s):	Acres:	Date:
Applicable Practice:				

NO ACTION REQUIRED

No Actions Required: current condition of the CRP grassed waterway meets the purpose of grassed waterway standards and CRP requirements. As long as the existing land use and crop management remain the same, and the identified maintenance activities are carried out, the grassed waterway is expected to remain functional for the life of the contract. If land use or crop management change, the participant will be required to perform additional maintenance to ensure the grassed waterway functions properly.

REQUIRED ACTIONS – minor repairs

ITEMS TO CHECK	OBSERVATIONS & REASONS for ISSUES	REQUIRED ACTIONS by the participant	Normal Wear & Tear?
<u>Tile Condition</u> Capacity Tile Condition Outlet			NO
Grassed Waterway Capacity			
Grassed Waterway Outlet			
Grade Stabilization Structures			
<u>Vegetative Cover</u> Planned Width Grass Condition Herbaceous Weed Issues Woody Vegetation Issues			NO
<u>Erosion within the waterway</u> Gullies? Excessive Wetness?			
<u>Erosion outside the waterway</u> Does Runoff Enter the WW?			
Culverts			
Other			

OPERATION AND MAINTENANCE*

Maintenance activities are required, but only allowed only on a spot basis and only if necessary to maintain stand health, maintain stand diversity, or control pests that will damage the CRP cover or adjacent lands.

- ✓ **Inspect** the grassed waterway on a seasonal basis and following major storm and runoff events. Any damages or sediment accumulation that would adversely impair the function of the waterway must be corrected.
 - ✓ **Channels** or **rills** must be immediately repaired.
 - ✓ **Sediment** within the grassed waterway will be removed before it accumulates to a height higher than 6 inches. Level and re-establish sheet flow. Re-seed if necessary.
 - ✓ **Tile** that ceases to function must be repaired or replaced immediately.

Replace dead or damaged grass as needed to insure that the grassed waterway functions as intended.

✓ **Control Unapproved Vegetation** to ensure the grassed waterway functions as intended.

Potential Unapproved Vegetation likely to encroach on your site includes:
Recommended Control Method(s):

Mowing*: only allowed when needed for operation and maintenance of the grass.

Mowing for Generic Weed Control or Cosmetic Purposes is prohibited.

Non-Native Grass = 4" MINIMUM Mowing Height*

Herbicide (per label): to control volunteer trees, brush, weeds and/or invasive species

Other:

* **NOTE: Weed control and other maintenance activities will not be conducted from April 1 to August 1. All activities will be on a "spot" basis only, unless prior approval is granted by the FSA County Committee.**

MID-CONTRACT MANAGEMENT - STARTING IN YEAR:

see the attached Mid Contract Management for Grassed Waterways Job Sheet for details

For CRP Mid-contract Management specifications see:

<http://www.nrcs.usda.gov/wps/portal/nrcs/detail/in/programs/?cid=stelprdb1119594>

ADDITIONAL INFORMATION

GRASSED WATERWAY OBSERVATIONS AND REASONS for ISSUES

The grassed waterway will be inspected to determine the existing condition and to document the most-likely reasons for any issues that are observed such as normal wear and tear, storm damage, lack of required maintenance, etc.

REQUIRED ACTIONS

See the attached specifications sheet and design, if applicable, for any required actions. Any actions must be completed at the times specified. Note, new designs may be different from the original, existing grassed waterway to meet current NRCS standards and new site conditions.

Actions that are the result of normal wear and tear or other factors beyond the participant's control may be eligible for payment for the repairs. Items that may fall into this category include loss of depth within planned amounts, inadequate spoil spreading from the original construction, etc.

Actions that are the result of a lack of maintenance on the participants' part are not eligible for payment, but must be completed within the allowable time frames. Items that may fall into this category include cropland encroachment on designed width, woody vegetation, weeds, failed tile, plugged outlets, excessive sediment accumulations due to land use changes in management, etc.

OPERATION and MAINTENANCE

- Vegetation will be maintained according to your CRP conservation plan.
- Maintenance activities are required but allowed only if necessary to maintain stand health or diversity, or to control pests that may damage the CRP cover or adjacent lands.
- Volunteer brush and trees should be controlled by use of prescribed burning (with an approved burn plan) or spot spraying.
- Noxious weeds (such as Canada Thistle and Johnsongrass), and unapproved species (such as Autumn Olive, Bush Honeysuckle, Multiflora Rose, Reed Canarygrass, etc.) must be controlled. Additional resources include:
 1. *Weed Control Guide for Ohio and Indiana* (Purdue and The Ohio State University)
 2. Noxious and Invasive Weeds and The Weed Laws in Indiana

- Maintenance activities will be conducted on a "spot" basis only.
- Maintenance activities are not allowed from **April 1 - August 1** to protect ground-nesting wildlife. If maintenance activities are needed within these dates, the FSA County Committee **must** approve the maintenance activity **prior to** the activity occurring.
- **Mowing is only allowed when used as a preparation method for Mid-contract Management practices inter-seeding, or as needed for operation and maintenance of grass practices.**
- **Mowing for generic weed control or for cosmetic purposes is strictly prohibited.**
- All acres will be excluded from haying and grazing year round, unless authorized.
- The contract area may not be used for field roads or other uses that will damage or destroy the cover.
- **Inspect** the grassed waterway on a seasonal basis and following major storm and runoff events. Any damages or sediment accumulation that would adversely impair the function of the grassed waterway must be corrected.
- **Replace** damaged grass as needed to insure that the waterway functions as intended.
- Protect the drainage area above the grassed waterway against erosion to the extent that expected sedimentation will not shorten the planned effective life of the grassed waterway. Consider such practices as Residue Management (No-Till, Mulch Till, etc.), Conservation Crop Rotation, Contour Farming, Cover Crops, etc.

MID-CONTRACT MANAGEMENT

All CRP contracts must include scheduled mid-term contract management activities that are site specific and will ensure plant diversity, wildlife habitat, and protection of soil and water resources. For grassed waterways, only inter-seeding, preceded by close mowing or prescribed burning (according to an approved burn plan), if needed, applies. All management activities must be performed according to NRCS Standards and CRP policy.

If using herbicide for any purpose, work with a local consultant or Purdue Extension Specialist to determine the best herbicide combination and timing. Follow the manufacturer's label rates and guidelines when applying herbicides.

Noxious and unapproved Species – Additional Information

NOTE: control of the species identified in your plan must be initiated within the first year of CRP Re-Enrollment contract approval. Since these species have a tendency to re-appear from seed and other methods, annual monitoring and follow-up control efforts are required to ensure the species are controlled to and maintained at the acceptable levels described in your plan. Follow-up efforts are not be eligible for cost-share.

General References

Invasive.org: Source for information and images of invasive & exotic species (includes information on bio-control agents) <http://www.invasive.org/>

Amaranth, Palmer: Purdue Extension (WS-51)
https://mdc.itap.purdue.edu/item.asp?Item_Number=WS-51

Buckthorn, Glossy: IPSAWG Fact Sheet
http://www.in.gov/dnr/files/glossy_buckthorn_factsheet.pdf

Bur Cucumber, Johnsongrass, Marestalk, Quackgrass, Shattercane, Sorghum Alnum, and Water Hemp: 2014 Weed Control Guide for Ohio and Indiana (Bulletin 789/Pub# WS16)
Includes section on weed control in *Permanent Grass Pastures/CRP/Grass Hay* (page 143)
<http://www.btny.purdue.edu/Pubs/WS/WS-16/>
Indiana Select-A-Herb for Non-Crops
<http://btny.agriculture.purdue.edu/herbssel/indexNC.cfm>

Canarygrass, Reed: IPSAWG Fact Sheet
http://www.in.gov/dnr/files/Reed_Canarygrass.pdf

Hemlock, Poison: Purdue Extension (FNR-437-W)
https://mdc.itap.purdue.edu/item.asp?Item_Number=FNR-437-W

Honeysuckle, Asian Bush: IPSAWG Fact Sheet
http://www.in.gov/dnr/files/Bush_Honeysuckle.pdf

Honeysuckle, Japanese: IPSAWG Fact Sheet
http://www.in.gov/dnr/files/Japanese_Honeysuckle.pdf

Knotweed, Japanese: IPSAWG Fact Sheet
http://www.in.gov/dnr/files/Japanese_Knotweed.pdf

Kudzu: Purdue Extension (WS-30-W)
<http://www.btny.purdue.edu/weedscience/2004/articles/Kudzu3-8-04.pdf>

Olive, Autumn: IPSAWG Fact Sheet
http://www.in.gov/dnr/files/Autumn_Olive.pdf

Rose, Multiflora: Invasive.org
<http://www.invasive.org/browse/subject.cfm?sub=3071>

Rose, Multiflora: USFS Weed of the Week
http://www.na.fs.fed.us/fhp/invasive_plants/weeds/multiflora-rose.pdf

Periwinkle, Common: USFS Weed of the Week
http://www.na.fs.fed.us/fhp/invasive_plants/weeds/common-periwinkle.pdf

Phragmites: Virginia Tech: Virginia Cooperative Extension
<http://pubs.ext.vt.edu/427/427-101/427-101.html>

Purple Loosestrife: IDNR
http://www.in.gov/dnr/files/purple_loosestrife.pdf

Thistle, Canada: Purdue Extension (FNR-436-W)
https://mdc.itap.purdue.edu/item.asp?Item_Number=FNR-436-W