



HERBACEOUS WEED CONTROL (315)

HERBACEOUS WEED CONTROL

The removal or control of herbaceous weeds including invasive, noxious, and prohibited plants.

PURPOSE

This practice may be applied as part of a conservation management system to support one or more of the following purposes.

- » Enhance accessibility, quantity, and quality of forage and/or browse.
- » Restore or release native or create desired plant communities and wildlife habitats consistent with the ecological site.
- » Protect soils and control erosion.
- » Reduce fine-fuels fire hazard and improve air quality.

Controlling these plants will minimize the economic, ecological and human health impacts caused by these plants, and help to increase, restore or protect native plant communities.

CONDITIONS WHERE PRACTICE APPLIES

The management activities selected will encourage the control of herbaceous plants including those that are invasive and noxious in non-cropland areas, including grazing lands, pastures and on waterbodies.

This practice does not apply to removal of herbaceous vegetation by prescribed burning or land clearing to facilitate a land use change and herbaceous weed control on cropland is not applicable to this practice.



Garlic Mustard (photo USDA Archives)

PLANS AND SPECIFICATIONS

Plans and specifications for applying this practice shall be prepared for each field or group of fields and the following design criteria shall be recorded:

- » Goals and objectives statement.
- » Plan map and soil map for the site.
- » Pre-treatment cover location, density of the target plant(s), planned post-treatment cover density and desired outcome described in the narrative statement.
- » Maps, drawings, and/or narratives detailing or identifying areas to be treated, pattern of treatment (if applicable), and areas that will not be disturbed.
- » Treatment method (s) selected.
- » A monitoring plan that identifies what shall be measured (including timing and frequency) and the changes in the plant

community (compare with objectives) that will be achieved.

Additional plans and specifications documentation applicable to the method of application:

Mechanical Treatment Methods

- » Type of equipment to use for management including pre and post treatment protocols for cleaning of equipment.
- » Dates of treatment for effective management.
- » Equipment operating instructions provided by the manufacturer (if applicable).
- » Treatment techniques and procedures to be followed.

Chemical Treatment Methods

- » A copy of the acceptable chemical treatment references for containment and management of target species.
- » Planned application dates, rates, formulation, and application methods and or technique used.
- » Evaluation and interpretation of herbicide risks associated with the selected treatment(s) using the Windows Pesticide Screening Tool (WIN-PST), product label information, mitigation practices and techniques implemented.
- » Any special mitigation, timing considerations or other factors (such as soil texture and organic matter content) that must be considered to ensure the safest, most effective application of the herbicide.
- » Reference to product label instructions and restrictions.

Biological Treatment Methods

- » A copy of the acceptable biological treatment references for the selected

biological agent used to contain and manage the target species.

- » Release date, kind, source, and number of agents.
- » Timing, frequency, duration and intensity of grazing, browsing, or treatments with biocides/pests.
- » Desired degree of grazing or browsing used for effective management of target species.
- » Maximum allowable degree of use on desirable non-target species.
- » Special mitigation, precautions, or requirements associated with the selected treatment(s).

OPERATION AND MAINTENANCE

All methods of pest management activities must comply with federal and state regulations. Maintain pesticide application records of plant management activities for at least two years.

Follow label requirements for mixing/loading setbacks from wells, intermittent streams and rivers, natural or impounded ponds and lakes, and reservoirs.

Read and follow label directions and maintain appropriate Material Safety Data Sheets (MSDS).

Calibrate application equipment according to recommendations before each seasonal use and with each major chemical and site change.

Evaluate re-growth or re-occurrence of target species after sufficient time has passed to monitor herbaceous weed species. Spot treatment of individual plants or areas needing re-treatment shall be completed to address the initial resource concern and plan objective.

Length of evaluation periods will depend on herbaceous weeds being monitored, proximity of plant materials and roots to the site, the transport of weed seeds along with control methods and materials used.

HERBACEOUS WEED CONTROL

Landowner: _____

Tract: _____

HERBICIDE APPLICATION - REQUIRED MANAGEMENT PLAN

Field Number	Acres Treated	Targeted Species	Time-frame of Planned Spray	Spot Treatment or Entire Field

Notes:

315 HERBACEOUS WEED CONTROL PRE-TREATMENT DOCUMENTATION WORKSHEET

Name: _____ Tract: _____

Field #:		Acres:			Land Use:	
Predominant Soil Map Units (SMU)					Describe any site limitations (equipment access, pesticide leaching, erosion etc.):	
Soil Limitations	Y N	Y N	Y N	Y N		
Slope						
Shallow to Bedrock/ Rapidly Permeable Soils						
Flooding/ Ponding/ High Water Table						
Sensitive Areas Present? (streams, wetlands, abandoned wells, etc.) Y N		If yes, locate on site map, describe here:				
Desirable species present? Y N		If yes, locate on site map, describe here:				
Undesirable Vegetation Composition (group species and similar treatment actions)						
Undesirable Species:						
Percentage of species per group:						
Area treated per species:						
If stand to be treated is not uniform, identify specific-treatment units on the site map.						
Comments:						
Results of treatment methods used:						

315 HERBACEOUS WEED CONTROL TREATMENT DOCUMENTATION WORKSHEET

Target plant(s) to control:		
Mechanical Treatment Methods and Plans		
Type(s) of equipment to be used:		
Planned treatment dates(s)/period:	Actual treatment dates(s)/period:	
Instructions and precautions:		
Treatment techniques or procedures to be followed:		
Chemical Treatment Methods and Plans – Apply product(s) per label instructions and rates		
<small>NOTE: NRCS does not make specific herbicide recommendations. Cite the source of the herbicide application recommendation below</small>		
Herbicide (s) planned:	Herbicide (s) applied:	
Herbicide recommendation source:	Attach a copy of the herbicide recommendation to this worksheet for reference.	
WIN-PST Hazard Ratings (NRCS Agronomy Technical Note 2) I = Intermediate H = High VH = Very High	Groundwater:	Surface Water:
Mitigation practices, techniques and activities must be planned for WIN-PST ratings of I, H, VH.		
Application method/technique and reference to applicable label instructions:		
Application rate or spray volumes and mixing instructions (if applicable):		
Date(s) of application:		
Document any special application techniques, timing considerations, or other factors that must be utilized for safe and effective applications		
Biological Treatment Methods and Plans		
Biological agent or grazing animal to be used:		
Timing, duration, and intensity of grazing or browsing:		
Post grazing height or degree of grazing/browsing use required for effective control:		
Maximum allowable degree of use on desirable non-target species:		
Treatment precautions or requirements when insect or other organisms are used as control agents:		
Prescribed Burning*		
Recommended Timing of Prescribed Burn		
Additional Treatment(s) and Recommended Sequence of Treatment(s)		

*All prescribed burning shall be implemented according to a burn plan that meets the requirements outlined in Wisconsin NRCS eFOTG Practice Standard 338, Prescribed Burning. Reference the burn plan for detailed implementation requirements.

*Refer to UW Extension or Professional Agronomists for specific chemical recommendations.

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COST SHARE DOCUMENTATION FOR CASE FILE

Before payment is made, the following information is required to be in the case file:

- Plan or location map, and photograph of the field and documentation of practice layout according to plans and specifications is present in the client case file and include the following:
- Field verification is documented and a certified planner verified “as installed” this practice meets NRCS standards and specifications.

Practice Certification (NRCS USE ONLY)

I certify that the practice as installed is complete and meets the applicable Wisconsin NRCS Conservation Practice Standard and all applicable practice specifications. Any changes to the original practice design have been approved and are documented on the original practice design “as installed.”

Certified Planner (print)

Certified Planner (sign)

Date