

HERBACEOUS WEED TREATMENT – MECHANICAL- SPECIFICATION SHEET

Client	Michael Galassi	Date	March 26, 2020
Farm/Tract	Farm 1342/Tract 1937	Field(s)	RIDF, WETL
Location	T6N R5W Sec. 14	Acres	23.8
Planner	C. Reidy	County/SWCD	Columbia County

1. Management Objectives (check one or more):

- *Enhance accessibility, quantity, and/or quality of forage and/or browse
- *Restore or release native or create desired plant communities and wildlife habitats consistent with the site potential.
- *Protect soils and control erosion
- *Reduce fine fuel loads and wildfire hazard
- *Pervasive plant species are controlled to a desired level of treatment that will ultimately contribute to creation or maintenance of an ecological site description "steady state," addressing the need for forage, wildlife habitat, and/or water quality
- *Improve rangeland health – (must complete a Rangeland Health Assessment)

Resource Concern(s), Management Objective(s) & Conservation Implementation Strategy

Applicable Resource Concerns:

1. Plant structure and composition
2. Plant pest pressure.
3. Terrestrial habitat for wildlife and invertebrates.
4. Aquatic habitat for fish and other organisms.

Management Objectives: To restore wetlands and associated uplands to historic conditions to the extent practicable.

2. Pre- and Post- Treatment Cover of Target Species:

Treatment Unit	Acres	Target Weed Species	Ecological Site Name or Number or Desired Plant Community Composition, Structure, and Function	% Cover (Before)	% Cover (After)
RIDF	17.2	bentgrass and other introduced pasture grasses/forbs	Bigleaf maple-Red alder Riparian Forest	90%	10%
WETL	4.7	Reed canarygrass	Oregon crabapple-(Dune willow)-Slough sedge Shrub Swamp	100%	20%

3. Monitoring Plan

Monitoring is done to assess degree of herbaceous weed control and to identify areas needing further treatment.

Monitoring will be performed by NRCS and/or landowner at least annually at the end of the growing season following treatment.

Percent cover or density of the target species (see item 2 above) will be measured and compared to desired percent cover or density (% cover after (item 2 above)). If the measured amount is less than or equal to the desired amount, this practice is to be considered complete. If the measured amount is greater than the desired amount, additional treatments will be scheduled and noted in item 7 of this specification.

HERBACEOUS WEED TREATMENT – MECHANICAL- SPECIFICATION SHEET

Additional Narrative:

Mechanical herbaceous weed treatments will be used combined with chemical herbaceous weed treatments to prepare the treatment areas for planting with native plant species typical of the ecological sites as well as maintain them over time. Percent cover estimates provided are only for the treatment areas. There will be significant areas of reed canarygrass that will not be treated. It is anticipated that through hydrologic restoration and natural regeneration of woody vegetation, reed canarygrass cover will be further reduced over time.

4. Maps included with this specification:

- Plan map showing area to be treated, areas not being disturbed, and any sensitive areas
- Soil map

5. Selected Treatment Method(s) (check one or more):

<input checked="" type="checkbox"/>	Conventional Tillage	<input type="checkbox"/>	Clipping
<input type="checkbox"/>	Hand Treatment	<input checked="" type="checkbox"/>	Other (Describe): Haying/Mowing

6. Kind of Equipment

Additional Narrative:

Standing biomass of treatment areas will be reduced through haying/mowing using a tractor drawn rotary or sickle mower or equivalent to prepare the sites for chemical treatment. Ideally, the cut biomass will be removed to facilitate maximum herbicide contact with living tissue of the target species. After the initial herbicide treatment has been applied and given time to work, the seeding areas will be disked twice in opposite directions to break up the root mass and facilitate decomposition over winter. After the second fall herbicide treatment and microtopographic restoration, the seeding areas will be harrowed to smooth the seed bed and facilitate the release of the seed bank in preparation for the second spring herbicide treatment. After planting of desirable herbaceous seed mixes, a flush of annual weeds may be expected. During the growing season, the entire seeding area should be mowed to a height of 4-6-inches when weeds reach a height of 12-18-inches. Where woody vegetation has been planted, mowing will occur between rows and in a 2-foot diameter circle surrounding each woody seedling to reduce competition. Mowing around trees/shrubs can be accomplished with a weed whacker or similar implement provided extreme caution is taken to avoid damage to the planted trees/shrubs. See also Herbaceous Weed Treatment (315) Chemical and Conservation Cover (327) job sheets.

7. Treatment Schedule

Include all treatments needed to achieve effective control of the target plant species. This includes any additional treatments needed to achieve effective control of pervasive plant species.

Treatment location (field)	Planned Treatment Year	Planned Acres	Applied Treatment Year	Applied Acres
RIDF/WETL - Biomass removal	9/2020	17.1/6.7		
RIDF/WETL - Disk	10/2020	17.1/6.7		

HERBACEOUS WEED TREATMENT – MECHANICAL- SPECIFICATION SHEET

RIDF/WETL - Harrow	10/2021	17.1/6.7		
RIDF - Mow weeds in all upland meadow seedlings and between rows in tree/shrub planting areas.	4/2023	16.1		
	6/2023	16.1		
	9/2023	16.1		
	4/2024	16.1		
	6/2024	16.1		
	9/2024	16.1		
RIFL/WETL - Mow/weed whack around woody seedlings	5/2023	0.7/0.5		
	5/2024	0.7/0.5		
	5/2025	0.7/0.5		

8. Timing or Season

Additional Narrative:

Refer to Section 7 Treatment Schedule above.

9. Operating Instructions

Prior to arriving at the treatment site, all equipment/vehicles will be cleaned in order to reduce the introduction/spread of noxious weeds.

Additional Narrative:

See also Oregon-Washington Conservation (ORWAC) programmatic opinion conservation measures.

10. Wildlife Considerations

All work conducted will be performed at times that meet the needs of resident and transient wildlife.

Additional Narrative:

Biomass will be removed the fall prior to undertaking remaining herbaceous weed treatment activities, which should discourage nesting/fawning within the project area, thereby reducing the chance of mortality to wildlife during the nesting/fawning season.

11. Special Precautions or Requirements:

Additional Narrative:

All pertinent ORWAC conservation measures will be followed to minimize adverse impacts to listed fishes.

12. Operation and Maintenance

Perform the following items

- Monitor each year to evaluate desired plant community and any regrowth or recurrence of the target pest

315 OR-Specification

Natural Resources Conservation Service, Oregon

JANUARY 2019

HERBACEOUS WEED TREATMENT – MECHANICAL- SPECIFICATION SHEET

- species. Apply appropriate spot treatments as needed to maintain desired plant community.
- Review and update the plan annual to incorporate new IPM technology.
- Maintain mitigation techniques selected to ensure continued effectiveness.

13. Additional Specifications:

Additional Narrative:

See also Herbaceous Weed Treatment (315) Chemical, Conservation Cover (327), and Tree/Shrub Establishment (612) job sheets.

Design Approval:

Practice code No.	Practice	Lead Discipline	Controlling factor	Units	Job class				
					I	II	III	IV	V
315	Herbaceous Weed Control	BCSD Graz Land Spec	Treatment Type: 1= Mech, 2= Chem, 3= Bio	Treatment Type	Type 1	Type 2	All Types	All Types	All Types
This practice is classified as Job Class (check one):					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Design Approved By: /s/ _____

Date: 3/26/2020

Job title State Wetlands Planner

Refer to the Following Conservation Practice Specifications [✓]			
<input type="checkbox"/>	Prescribed Grazing 528	<input checked="" type="checkbox"/>	Access Control 472
<input type="checkbox"/>	Integrated Pest Management 595	<input type="checkbox"/>	Critical Area Planting 342
<input type="checkbox"/>	Brush Management 314	<input type="checkbox"/>	Rangeland Planting 550
<input type="checkbox"/>	Forage Harvest Management 511	<input type="checkbox"/>	Forage and Biomass Planting 512
<input checked="" type="checkbox"/>	Wetland Wildlife Habitat Mgt. 644	<input checked="" type="checkbox"/>	Upland Wildlife Habitat Mgt. 645
<input checked="" type="checkbox"/>	Other: Herbaceous Weed Treatment (315) Chemical, Conservation Cover (327), Tree/Shrub Establishment (612), Wetland Restoration (657)		

Client's Acknowledgement Statement:

The Client acknowledges that:

- They have received a copy of the specification and understand the contents and requirements.
- It shall be the responsibility of the client to obtain all necessary permits and/or rights, and to comply with all ordinances and laws pertaining to the application of this practice.
- Certification documentation (see below) must be provided to NRCS by the client before the practice can be certified as applied:

Accepted By: /s/ _____ Date: _____

HERBACEOUS WEED TREATMENT – MECHANICAL- SPECIFICATION SHEET

Certification:

Check one or more the following and place in case file:

- Applicators logs/ receipts from the applicator
- Client Documentation Worksheet
- Map(s) – including field numbers, fields treated, and acres treated
- Photo monitoring
- Other:

Brief Description:

I have completed a review of the information provided by the client and certify this practice with field verification has been applied according to this specification.

Multiple CIN Certification Table

CIN #	ACRES	SIGNATURE & DATE	CIN #	ACRES	SIGNATURE & DATE

I have completed a review of the information provided by the client and certify all planned instances of this practice have been applied.

Certified By: /s/ _____ Date: _____

Job title _____

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