

FORAGE & BIOMASS PLANTING SPECIFICATION SHEET

Client		Date	
Farm/Tract		Field(s)	
Location		Acres	
Planner		County/SWCD	

1. Management Objectives:

Plant grasses and/or forbs on appropriate sites for increased production of forages and roughages, improved livestock nutrition and/or health, and/or improved soil and water quality. Seed areas disturbed by project application, implementation, and equipment egress and ingress to prevent soil loss and invasion of alien species and noxious weeds.

Additional Narrative:

2. Seedbed Preparation:

Prepare a firm, weed free seedbed. Seeding depth should not exceed 3/8 inch for grasses and 3/4 inch for forbs. Moist soil contact with seeds is required for germination.

Additional Narrative:

3. Seeding/Planting Method (check all that apply):

Drill Broadcast Other (describe) _____

Legume seed will be inoculated with the proper, viable rhizobia strain before planting.

Legumes and Their Associated *Rhizobium* Bacteria Inoculants

Legume	<i>Rhizobium</i> bacteria
Alfalfa	<i>Rhizobium meliloti</i>
Sweet clover (yellow or white)	<i>Rhizobium meliloti</i>
Alsike clover	<i>Rhizobium trifolii</i>
Red clover	<i>Rhizobium trifolii</i>
Strawberry clover	<i>Rhizobium trifolii</i>
Subterranean clover ^a	<i>Rhizobium trifolii</i>
White clover	<i>Rhizobium trifolii</i>
Field peas (Austrian, dry, green)	<i>Rhizobium leguminosarum</i>
Birdsfoot trefoil	<i>Rhizobium loti</i>
Cicer milkvetch	<i>Astragalus</i> -specific <i>Rhizobium</i>
Sainfoin	<i>Rhizobium</i> spp.

^a Selected strains of *Rhizobium trifolii* specific for this legume species are most effective

Source: Pasture and Grazing Management in the Northwest (PNW 614), 2010

Additional Narrative:

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4. Seeding Operations

Inspect and calibrate equipment prior to use. Continually monitor during planting to insure proper rate, distribution, and depth of planting material is maintained.

Approximate Date Planned	Drill Spacing	Carrier	Seeding Depth	Broadcast (rake, harrow, mulch, etc.)

5. Species and Pure Live Seed (PLS) Seeding Rates

Use varieties and/or species that are locally adapted.

Variety	Species	Full PLS Rate	% Mix Desired	Rate/Acre	Acres	Total Lbs. PLS
Totals						

6. Fertilizer (Kind/Rates):

Fertilizer amendments may be added at time of seeding or planting and/or as top dressing during establishment. Apply all plant nutrients and/or soil amendments for establishment purposes according to a current soil test. Application rates, methods and dates are obtained from the plant materials program, land grant and research institutions, extension agencies, or agency field trials.

<p>Additional Narrative:</p>

See Nutrient Management 590 specifications for more information.

7. Weed and Pest Control:

Control weeds as necessary to facilitate establishment of the seeding. Monitor for weed and pest problems regularly during establishment.

<p>Additional Narrative:</p>

Continued on page 3.

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Chemicals Used, Carriers, Surfactants, Mixing: _____

CONSULT WITH COUNTY EXTENSION AGENT OR OTHER CERTIFIED PROFESSIONAL FOR APPLICATION RATES.

CHEMICALS USED IN PERFORMING THIS PRACTICE MUST BE FEDERALLY, STATE, AND LOCALLY REGISTERED. THEY WILL BE APPLIED STRICTLY IN ACCORDANCE WITH AUTHORIZED REGISTERED USES, DIRECTIONS ON THE LABEL, AND OTHER FEDERAL, STATE, AND LOCAL REGULATIONS.

Timing or Season: _____

Application techniques: _____

Mitigation of Potential Hazards from Chemical Applications: _____

See attached WIN-PST hazard ratings for selected alternative – Loss Potential, Hazard Rating-Humans, and Hazard Rating-Fish.

8. Establishment Protection:

Narrative:

See Access Control 472 specifications for more information.

9. Monitoring:

Monitor new plantings for water stress. Depending on the severity of drought, water stress may require reducing weeds, early harvest of any companion crops, irrigating when possible, or replanting failed stands.

Additional Narrative:

10. Management Recommendations:

Manage seeding/planting in accordance with appropriate management practices.

Additional Narrative:

11. Additional Specifications:

Narrative:

512 OR-Specification

Natural Resources Conservation Service, Oregon

August 2010

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Design Approval:

Practice code No.	Practice	Lead Discipline	Controlling factor	Units	Job class				
					I	II	III	IV	V
512	Pasture and Hay Planting	BCSD Graz Land Spec	Area – Irrigated	Acres	All	All	All	All	All
			Lower Precip. Limit, non-irrigated	Inches/Year	20	16	12	9	All
This practice is classified as Job Class (check one):									

Design Approved by: /s/ _____ Date: _____

Job title: _____

Refer to the Following Conservation Practice Specifications [✓]	
Prescribed Grazing 528	Critical Area Seeding 342
Forage & Biomass Harvest 511	Watering Facility 614
Irrigation Water Management 449	Spring Development 574
Fence 382	Pipeline 516
Access Control 472	Other:

Client’s Acknowledgement Statement:

The Client acknowledges that:

- a. They have received a copy of the specification and understand the contents and requirements.
- b. Documentation showing rate, form, and application method of herbicides, carriers, surfactants, etc. applied must be provided to NRCS by the client before this practice can be certified as applied.
- c. 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.

Accepted by: /s/ _____ Date: _____

Certification:

I have completed a review of the information provided by the client (or checked in the field) and certify this practice has been applied.

Certification by: /s/ _____ Date: _____

Job title: _____

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