

Pasture and Hayland Planting

Conservation Practice Job Sheet

RI – JS 512



The purpose of this Job Sheet is to provide:

- Background information on practice
- Practice Installation guidelines
- Practice Specifications, and special requirements
- Practice design approval
- Practice certification by planner
- Conservation Practice Job Sheet - specification worksheet

PASTURE AND HAY PLANTING

Establish native or introduced forage species.

PRACTICE INFORMATION

This practice may be applied on cropland, hayland, pastureland, or other agriculture lands where forage production is planned.

This practice is used for on or more of the following purposes:

1. Provide forage for livestock and/or wildlife.
2. Improve or maintain livestock nutrition and/or health.
3. Provide additional forage to fill gaps in a year long forage management program.
4. Provide emergency forage.
5. Reduce soil erosion, improve aesthetics, provide wildlife food and cover, improve water quality, and other environmental benefits.

Plant species recommendations for this practice

are based on the following considerations:

1. Climatic conditions such as annual rainfall, growing season days, humidity, and temperature extremes.
2. Site conditions including soil series, soil condition, flooding hazards, drainage, salinity, inherent fertility, slope, toxic elements, and other attributes associated with the specific site.
3. Plant resistance to pests common to the site.
4. Period of growth (cool vs. warm season)
5. others

Recommended species, seeding dates, seeding rates, seedbed preparation requirements, planting methods, and other technical requirements are provided in the local NRCS Field Office Technical Guide.

Pasture and Hayland Planting

Conservation Practice Job Sheet - specification worksheet

RI - JS 512



SPECIFICATIONS

Site-specific requirements are listed on the following page(s) of this job sheet. Specifications are prepared in accordance with the Pasture and Hayland Planting practice standard and the Pasture and Hayland Planting Specification Guide Sheet found in the Rhode Island NRCS Field Office Technical Guide. Information contained in this document is considered part of the conservation plan. Use the **Pasture and Hayland Planting Specification Guide Sheet** when filling out the following worksheet.

Client Name:		Town:	
Farm:		Tract:	
Assisted By:		Date:	
Total Acres of Pasture and Hayland Planting Planned:			
Purpose: <i>Check all that apply</i>			
<input type="checkbox"/>	1- Establish adapted and compatible species, varieties, or cultivars for forage production.	<input type="checkbox"/>	4- Reduce soil erosion and improve water quality.
<input type="checkbox"/>	2- Improve or maintain livestock nutrition and/or health.	<input type="checkbox"/>	5- Increase carbon sequestration
<input type="checkbox"/>	3- Balance forage supply and demand during periods of low forage production.	<input type="checkbox"/>	6-Other (Specify):

If you have questions about this planned **Pasture and Hayland Planting** practice contact:

Name:		Telephone:	
Email:			

GENERAL CRITERIA:

Plant species and their cultivars shall be selected based upon:

- Climatic conditions, such as annual rainfall, seasonal rainfall patterns, growing season length, humidity levels, temperature extremes and the USDA Plant Hardiness Zones.
- Soil condition and position attributes such as pH, available water holding capacity, aspect, slope, drainage class, fertility level, salinity, depth, flooding and ponding, and levels of toxic elements that may be present.
- Resistance to disease and insects common to the site or location.

And:

- Specified seeding/plant material rates, methods of planting and date of planting shall be consistent with documented guidance cited by plant materials program, research institutions or agency demonstration trials for achieving satisfactory establishment, such as "Cornell Recommends." or a local college extension and Soils' web page (see references).
- Seeding rates will be calculated on a state approved method such as pure live seed (PLS) or percent germination.
- Plant to proper depth ensuring seed or planting material will contact soil moisture uniformly. Prepare site to provide a medium that does not restrict plant emergence.
- Planting dates shall be scheduled during periods when soil moisture is adequate for germination and establishment.
- All seed and planting materials shall meet state quality standards.
- Select plants that according to federal, state, or local regulations are not considered noxious species.
- Fertilizer and soil amendment recommendations shall be based on results from a current soil test. Application shall be appropriately placed and timed to be effective.
- If needed, legume seed shall be inoculated with the proper species of viable Rhizobia before planting.
- If using coated seed, recalibrate the planting equipment to deliver the same number of seed per area as would be achieved with non-coated seed.
- Livestock shall be excluded until the plants are well established.

Pasture and Hayland Planting – Job Sheet - specification worksheet

Site Preparation - see Specification Guide Sheet for Pasture and Hayland Planting (512)

Prepare a firm seedbed. Ephemeral gullies and rills present in the planned seeding/planting area will be smoothed. Apply lime and fertilizer as indicated by soil testing.
 Additional requirements:

Planting Method - see Specification Guide Sheet for Pasture and Hayland Planting (512)

Plant grass and legume seed uniformly over the area using a _____ seeder or _____ drill. Establish vegetation according to the specified seeding rate. If necessary, mulch the newly seeded area with _____ tons per acre of mulch material. A small grain crop may be needed as a companion crop at the rate of _____ pounds per acre (clip or harvest before it heads out).
 Additional requirements:

OPERATION / MANAGEMENT AND MAINTENANCE PLAN:

The following O&M activities will be planned and applied as needed:

- The operator will inspect and calibrate equipment prior to use to insure proper rate, distribution and depth of planting material.
- Growth of seedlings or sprigs shall be monitored 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.
- Invasion by undesirable plants shall be controlled by cutting, using a selective herbicide, or by grazing management by manipulating livestock type, stocking rates, density, and duration of stay.
- Insects and diseases shall be controlled when an infestation threatens stand survival.
- Evaluate forage stands each season or as needed to determine management inputs needed to achieve the desired purpose(s).

ADDITIONAL CONSIDERATIONS REGARDING PASTURE AND HAYLAND PLANTING:

- In areas frequented by high density of animals, establish persistent species that can tolerate close grazing and trampling.
- Where wildlife management is an objective, use an approved habitat evaluation procedure to aid in selecting plant species and providing for other habitat requirements.
- Where air quality concerns exist, site preparation techniques should be utilized that will minimize airborne particulate matter generation and transport.

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication program information (Braille, large print, audiotape, etc.) should contact the USDA Office of Communications (202) 720-2791. To file a complaint of discrimination write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.

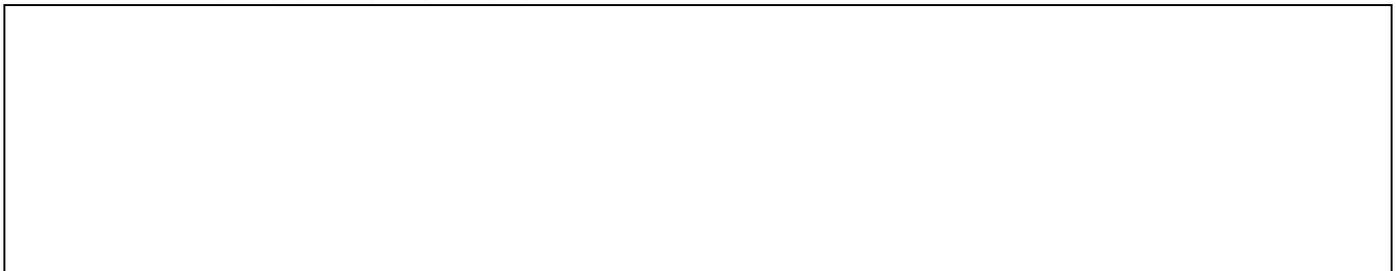
Pasture and Hayland Planting – Job Sheet - specification worksheet

If needed, an aerial view of the practice can be shown below. Other relevant information, complementary practices and measures, and additional specifications may be included.

↑N



ADDITIONAL NOTES OR INSTRUCTIONS:



For more specific forage plant information, go to the NRCS Plants database at <http://plants.usda.gov/>

Pasture and Hayland Planting – Job sheet

RI - JS 512

Practice Installation

It shall be the responsibility of the landowner to obtain all necessary permits and/or rights, and to comply with all ordinances and laws pertaining to this installation.

Practice designs and specifications shall be reviewed by NRCS planner with the landowner prior to start of work for practice installation.

Contact the NRCS planner _____ at 401- _____ prior to installation. Keep NRCS planner updated throughout the installation process. Emergency phone # - (401) 828-1300

Contact the NRCS planner _____ at 401- _____ upon completion of practice. Emergency phone # - (401) 828-1300

Practice specifications and special requirements

Installation shall be in accordance with the following specifications and special requirements.
NO CHANGES ARE TO BE MADE IN THE DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR APPROVAL OF THE NRCS.

- Use Practice Specifications: **Pasture and Hayland Planting specifications worksheet**
Specification Guide Sheet for Pasture and Hayland Planting (512)

The landowner/operator acknowledges that:

- A)** He/she has received a copy of the practice specifications, and Operation and Maintenance plan, and that he/she has an understanding of the contents and the requirements.
- B)** He/she has or will obtain all of the necessary permits prior to construction.
- C)** No changes will be made in the installation of the job without prior concurrence of the NRCS technician.
- D)** This practice has a lifespan of 10 years.
- E)** Adherence to the Operation and Maintenance plan of the installed work is necessary for proper performance during the practice lifespan.
- F)** NRCS planner shall be contacted prior to installation for a review of the practice installation and at completion for practice certification.

Accepted by landowner: _____

Date: _____

Address : _____

Practice design

Lead Discipline for this practice: **Biological Conservation Sciences Division**

Job Classification:

_____ No design changes were made. _____ Design changes were approved and are included

Design by: _____

Date: _____

Practice certification

I have made an on-site inspection and have determined that the practice has been installed according to practice standard and specifications.

Certified by: _____

Date: _____