

Course Name: Pasture and Hayland Planting - Module	
Course Coordinator: State Grazing Specialist	Course Number: MI0027

Overview: This course emphasizes the full process involved in choosing the Pasture and Hayland Planting practice as an alternative by a producer to solve a resource concern(s). Planning and application details will be covered so participants fully understand the conservation practice standard Pasture and Hayland Planting (512). An understanding of a conservation sheet on a Pasture and Hayland Planting plan as part of a conservation plan will also be covered. A second part of this module will be an electronic spreadsheet that completes calculations for different mixes of species as well as estimated costs for a pasture or hay planting. This can be given along with the Forage Harvest Management Module and conservation sheet for a full day of training.

Purpose: The purpose of this course is to prepare the participant to be able to independently apply the Pasture and Hayland Planting standard and write a pasture or hay planting plan for customers who choose this alternative.

Prerequisites: The following courses or the equivalent in experience as judged by employee's supervisors

- Crops 101
- Forage ID and/or Plant ID - Grasses and Forbs

Duration: 2 hours of classroom instruction and 3 hours estimated OJT with first pasture and hayland planting plan review with: supervisor, watershed agronomy or grazing specialist, experienced conservation planner in pasture and hayland systems, or state agronomist or grassland/forage specialist.

Target Audience: NRCS and conservation partnership employees providing conservation planning and pasture and hayland planting planning assistance to customers.

Expected Outcomes: The participant at the end of the course and reviewing their first pasture and hayland planting plan with the appropriate experienced NRCS employee will be at the proficiency level 4 - Apply Independently - can perform planning a pasture or hayland planting independently unless special problems are encountered.

Resources needed: Classroom with table and chairs for a maximum of 20 participants. Overhead projector, flip chart or dry erase board with appropriate markers, laptop computer with CD drive and computer projector.

Outline for: **Pasture and Hayland Planting - Module**

Purpose, Conditions and Criteria

A. Cool Season Grasses and Legumes

B. Warm Season Grasses

How to Calculate Seeding Rates - Table 2 and 7

Seeding Periods - Table 1

Fertilizer and Lime Requirements

Using Companion or Nurse Crops

SEEDBED PREPARATION

A. New Seeding

1. Conventional

2. No-Till

3. Frost

B. Existing Stand

1. Light Tillage

2. No-Till

3. Frost - Table 6

Inoculation

Seed Quality

First Year Weed Control

**Additional Criteria for Improving or Maintaining Livestock Nutrition and/or Health
- Tables 3, 4, 8, 9 and 10**

**Additional Criteria for Extending a Grazing Season
- Tables 3, 4, 8 and 9**

**Additional Criteria for Balancing the Forage Demand During Low Forage Production
Periods - Tables 3, 4, 8, 9 and 10**

Additional Criteria for Reducing Erosion by Wind and/or Water - Tables 3, 4 and 9

Additional Criteria When Planting for Mechanical Harvest - Tables 3, 4, 7, 9 and 10

Additional Criteria for Wildlife Food and Cover - Tables 5, 3, 4 and 7

Considerations

Plans and Specifications

Operation and Maintenance

References

CONSERVATION SHEET AND PLAN REVIEW

**PART 2 IN A ADDITIONAL 1 HOUR SESSION - PASTURE AND HAY PLANTING
ELECTRONIC EXCEL SPREADSHEET**