



## FEED MANAGEMENT (592)

### FEED MANAGEMENT

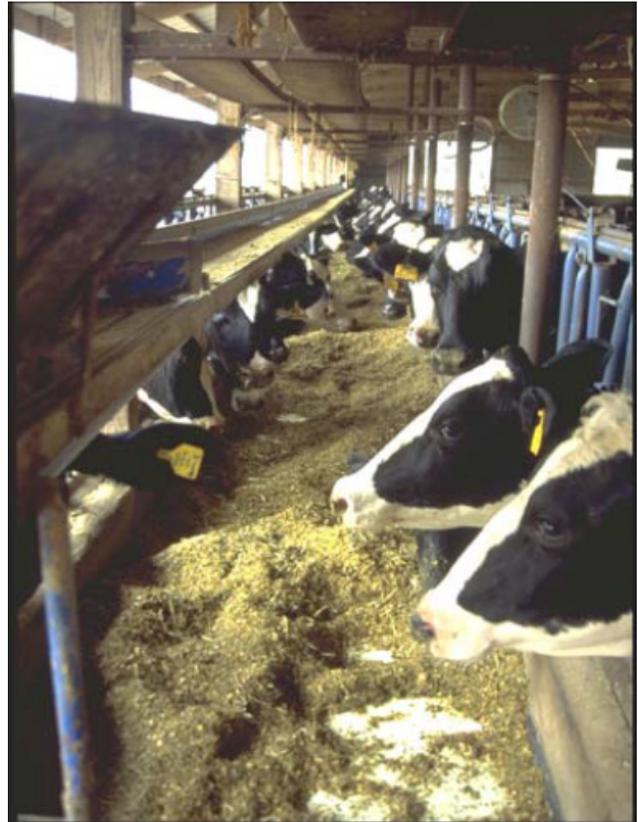
Feed management is the practice of managing the quantity and quality of available nutrients, feed stuffs, or additives fed to livestock and poultry.

### PURPOSE

- Improve feeding efficiency in a manner that facilitates and contributes to the conservation of natural resources.
- Reduce the quantity of nitrogen, phosphorus, sulfur, salts, and other nutrients excreted in the manure.
- Reduce the quantity and viability of pathogens in manure.
- Reduce odor, particulate matter, and greenhouse gas (GHG) emissions production from animal feeding operations.

### PLANNING REQUIREMENTS

- The diets for specific species of animals shall be developed in accordance to recommendations of one of the following of the following resources: 1) Standards outlined in the most current recommendations of the National Research Council (NRC), 2) Recommendations of the University of Wisconsin or other sources accepted by Wisconsin NRCS or 3) Standards developed by the professional nutritionists of livestock and poultry production companies, feed companies, and/or feed suppliers and accepted by NRCS.
- Feed management practices and/or diet manipulation technologies shall be used to reduce N, P, and other excreted nutrients,



pathogens, odors, and/or Greenhouse Gases, while maintaining the health, well-being and productivity of the animal.

- Diets and feed management strategies shall be developed by professional animal scientists, independent professional nutritionists, or other comparably qualified individuals.
- Laboratory analysis shall be done on the formulated diet, or on the feed ingredients used to formulate the diet, at adequate frequency to effectively determine its available nutrient content.
- Diets shall be formulated to provide the quantities and correct relative ratios of available nutrients required by the animal

species to meet the livestock production and resource protection goals the plan is based on.

## 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:

- The type of technology, or technologies, and/or feeding practices that will be used on the operation and their intended outcome.
- Feed analyses and ration formulation information prior to and after implementation of feed management on the operation.
- The estimated, or measured nutrient content of the manure prior to the implementation of feed management on the operation.
- Records of any manure analysis that was done after the feeding strategy was implemented to determine manure nutrient content.
- Protocols for sampling and preserving feed ingredients, manure, and water, as applicable, prior to sending for analysis.
- The estimated impact that feed management will have on manure nutrient content.
- The expected impact on pathogen content, odor, and GHG reduction of manure.
- The quantities and sources of nitrogen and phosphorus that will be fed.
- Identification of the qualified feed management specialist who developed the plan.
- Guidance for how often the feed management plan shall be reviewed and potentially revised.

## OPERATION AND MAINTENANCE

The producer/client is responsible for the operation and maintenance of the feed management plan and shall implement the following activities:

- Periodic plan review to determine if adjustments or modifications are needed.
- Routine feed analysis to document the rates at which nitrogen and phosphorus were actually fed. When actual rates fed differ from or exceed the planned rates, records will indicate the reasons for the differences.
- Records shall be maintained to document plan implementation. As applicable, records include:
  - » Feed analysis and ration formulation, including the record of ration formulation used prior to implementing the feeding strategy.
  - » Records estimating the impact the feeding strategy is having on reducing manure nutrient content.
  - » Manure analysis that was done after the feeding strategy was implemented to determine manure nutrient content.
  - » Dates of review and person performing the review, and any recommendations that resulted from the review.
- Records of plan implementation shall be maintained for five years, or for a period longer than five years if required by other Federal, tribal, state, or local ordinances, program, or contract requirements.

### 592 Feed Management Practice Documentation Worksheet

Producer/Owner:	Farm # / Tract #s:	Name of Group(s):
Producer/Owner Address, Phone:		Reviewed by:

*Use the checklist below to indicate that you have reviewed the required documentation concerning preparation of a Feed Management plan, and/or implementation of Feed Management (Wisconsin Conservation Practice Standard, Code 592). "Yes" indicates that you have reviewed the producer's documentation, and are certifying that it meets the requirements of the conservation practice standard. "No" indicates that the producer has not submitted the required documentation, and you cannot certify implementation of Feed Management. "Not Applicable" (N/A) indicates that this item is not required for the producer's operation.*

<b>Feed Management Plan</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>1.</b> Producer has provided a <i>copy</i> of the Feed Management Plan developed by a certified animal nutritionist ( <i>Name of Nutritional Consultant &amp; Qualifications</i> ) & is in accordance with the NRCS Feed Management Standard, Code 592. The plan contained:			
<b>a.</b> Diets and feed management strategies were developed for each group & species of livestock selected and are included in the plan based on a benchmark manure sample. ( <i>copy of benchmark manure sample</i> )			
<b>b.</b> Laboratory analysis was completed for the feedstuffs used to formulate the diet to determine nutrient content for the ration. ( <i>copies of analysis for each feed item</i> )			
<b>c.</b> Feed analysis are conducted by laboratories accepted by the University of Wisconsin Extension Service and NRCS. ( <i>Name of testing Laboratory</i> )			
<b>d.</b> Adjustments to nutritional levels are included in the plan to improve or sustain livestock productivity. ( <i>plan should list recommended changes</i> )			
<b>e.</b> <i>Diet adjustments were addressed in the plan</i> to reduce (or not exceed) N and P levels as excreted in the manure to the NRC recommended levels.			
<b>Feed Management Implementation</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
<b>1. On-Farm Feed Mixes.</b> Reviewed records of on-farm feed mixes, including the planned and actual amounts used for each ingredient. ( <i>supply copies of feeding records</i> )			
<b>2. Feed Analysis and Ration Formulation.</b> Review records of feed analysis and ration formulation as actually implemented. Feed analysis, and MUN analysis (if lactating dairy cows) must be taken at least 4 times per year to verify implementation/changes. ( <i>copies of each feed sample each season</i> )			
<b>3. Manure Analysis.</b> Review records of manure analysis taken before and after implementing each new feeding strategy. ( <i>copies of each manure analysis 4 minimum</i> )			
<b>4. Review by Feed Management Specialist.</b> Documentation that the Feed Management Plan was reviewed (at least quarterly) by a <i>professional feed management specialist</i> . <i>Records contained the dates and name(s) of the professional feed management specialist(s)</i> who provided technical assistance, and his/her recommendations.			
<b>Comments/Notes:</b>			

**CERTIFICATION.** I certify that the information I provided concerning implementation of the Wisconsin NRCS Conservation Practice Standard 592 Feed Management is true and accurate to the best of my knowledge.

**Data Furnished By:** \_\_\_\_\_  
*Signature of Producer/Operator* *Date*

**Checked By:** \_\_\_\_\_  
*Signature of Certified Planner* *Date*

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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 and documentation of feed management practice with plans and specifications present which include the feed management documentation worksheet.

Verification documenting a certified feed management specialist verified “as installed” this practice meets NRCS standards and specifications.

» Planned units: \_\_\_\_\_

» Applied units: \_\_\_\_\_

### 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

# FEED MANAGEMENT

**Client Name:** \_\_\_\_\_

**Planner Name:** \_\_\_\_\_

**Practice Purpose:** \_\_\_\_\_

## PLANNED PRACTICE LOCATION AND EXTENT

Contract Number	Contract Identification Number (CIN)	Tract Number	Field Number(s)	Systems/AUs Contracted	Systems/AUs Planned	Actual Systems/AUs Applied (NRCS USE ONLY)

*\*A completed copy of this page must be submitted for a financial assistance payment to be processed.*

**Notes:**