

Comprehensive Nutrient Management Plan Inventory Sheet

Development of a Comprehensive Nutrient Management Plan (CNMP) requires an inventory of individual farm information related to:

- manure handling and storage
- land application of manure
- land management practices that influence nutrient runoff and leaching
- management of dead animals
- feed management
- soil and manure testing

This information is necessary in order to determine manure nutrient content, as well as to identify practices that may be needed to solve potential pollution problems. The following sheets provide a format for farmers and ranchers to gather and record inventory information on their farms. This information is necessary in order to develop a CNMP. If it is not clear what information is needed or how to gather the information, help is available from the Natural Resources Conservation Service (NRCS), County Extension Agent, Soil Conservation District, producer association, or a private consultant.

The **plot drawing** should show the general outline of the feedlot or facility where the animals are confined. It should also show buildings such as feed storage areas and housing areas, storage structures, and ditches or other waterways that run through or are adjacent to the facility. If necessary an additional sheet should be used. Lot size in square feet is calculated by multiplying the length of the lot in feet by the width of the lot in feet. Where more than one feedlot or facility exists on the individual farm or ranch, information should be provided for each one.

Soil and manure testing are two very important components of the inventory gathering process. Contact the County Extension Agent or NRCS for help in taking soil and manure tests. Initially, soil tests should be taken on every field. The soil test should be taken for soil phosphorus levels only, unless manure will be applied to an annual crop. When manure is to be applied to an annual crop, the soil test should include a test for soil nitrogen level as well as phosphorus. Manure tests should be taken separately for different manure types. This information should be attached to the inventory worksheets.

Feed management is an optional part of a CNMP. If feed management practices are not being used or will not be used, this information can be left blank. The information requested is not in regards to the type and amount of feed, rather if special supplements such as phytase are being fed to lower the nutrient content of the manure.

The information provided should be as specific and accurate as possible. The numbers provided have a large impact on the design of storage and handling systems and on the potential for nutrient runoff and leaching. If additional room is needed, record the information on a blank sheet and attach it to the inventory sheets. The information should reflect any plans to increase the number or type of animals, to purchase additional land, or to make other changes in the way manure is handled or stored, or in land management practices.

Additional information such as Farm A Syst worksheets, Best Management Practices for Dairies, or other brochures can be obtained through the County Extension Agent, NRCS or over the Internet. These informational materials can be used to identify potential pollution problems as well as provide possible solutions to the problems.

Bedding *(Loads, Tons, or Bales)				Barn Wash/Flush Water (Gallons)		
Type of Bedding	*Amount Used	How Often (D/W/or M)	Total Tons Used (Yr)	Amount of Water	How Often (D/M/orYr)	Total Used (Yr)

D=daily, W=weekly, M=monthly, Yr=yearly

Housing (Describe the type of housing such as open lot, free stall, stanchion; and number and type of animals housed):

Roof and/or Lot Runoff (Describe how runoff is collected and/or diverted and if so how):

Dead Animal Management (Describe how dead animals are disposed of):

Describe how solid & liquid manure is collected, transferred, treated, & stored (Include how often, method used, storage sizes, equipment used, manure test values, etc.) (Attach manure test information)

Solid:

Liquid:

Description of how solid and liquid manure is utilized (Include time manure is applied, amount applied, crop(s) and acres applied to, how and when incorporated, equipment used, etc., or other ways manure is utilized such as for composting, bedding, or feed):

Solid:

Liquid:

