

12 Step CNMP Inventory Sheet (Simplified Version)

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 **simplified** format for farmers and ranchers to gather and record a minimum amount of inventory information to develop their own 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. Additional inventory sheets used to gather all necessary information to develop a CNMP can also be obtained from the agencies listed.

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.

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, change the way manure is handled, stored, or applied to the land.

Additional information such as the full version of the Inventory Sheet, 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.

Name(s):

Address:

Operation Name:

City, State & Zip:

Phone Number:

Operation/Environmental Objectives (Check all that apply):

- To maximize productivity and profitability
- To correct unacceptable environmental conditions
- To improve efficiency of manure handling facilities
- To get the highest possible benefit from all available resources
- To stay in compliance with state and federal laws and regulations
- To prevent runoff and/or leaching of nutrients and pathogens into surface and groundwater
- Other _____

Lot Surface Type: Concrete Paved Dirt Combination concrete and dirt
 Other _____

Lot Size (sq. ft): width (ft) _____ X length (ft) _____ = _____ sq. ft.

Production Information:

Type of Animal(s)	Actual Animal #'s	Planned Animal #'s	Avg. Weight (lbs)	Number of Days Confined

Bedding (Enter the type and amount of bedding used – leave blank if none is used):

Type of bedding	*Amount Used	**How Often	Total Tons Used Yearly
_____	_____	_____	_____
_____	_____	_____	_____

*Loads, tons, or bales, **Daily, weekly, or monthly

Facility Wash, Parlor, and/or Flush Water (Enter the amount of water used):

*Type of Water	**Amount Used	***How Often	Total Gallons Used Yearly
_____	_____	_____	_____
_____	_____	_____	_____

*Barn, Parlor, Plate Cooler, etc., **Gallons, ***Daily, weekly, or monthly

Check if flush water or other water is recycled

Manure Storage (Check all that apply):

Solid: Open Lot (Manure Pack) Concrete Bunker Concrete Pit Roofed Storage
 Manure Staging Area Waste Storage Pond Other _____

Size: length (ft) _____, width (ft) _____, depth (ft) _____

Liquid: Waste Storage Pond Anaerobic Lagoon Aerobic Lagoon Evaporation
Pond Above Ground Tank Below Ground Tanks Pit Other _____

Size: length (ft) _____, width (ft) _____, depth (ft) _____

Crop(s) Manure is Applied To:

Solid: _____, _____, _____, _____, _____

Liquid: _____, _____, _____, _____, _____

Manure Incorporation (Check all that apply):

Solid: Within 1 day following application Within 1 week following application
 Within 1 month following application Not Incorporated Other _____

Liquid: With injection equipment With irrigation system Within 1 day following
application Within 1 week following application Within 1 month following application
 Not Incorporated Other _____

Equipment Used for Incorporation: Plow Disk Chisel Harrow Injection
Equipment Irrigation System Other _____

Manure Application Equipment (Solid and Liquid)					
Type of Spreader	Dimensions (l-w-h)(dia)	Capacity (ft ³ ,bu,gal)	Number and Kind of Spreader Setting(s)	Spread Width (ft)	Spread Distance (ft)

l=length, w=width, h=average height when full of manure, ft³=cubic feet, bu=bushels, gal=gallons, type of spreader=box, slurry, tank, etc., kind of spreader settings=PTO, apron, etc.

Soil/Manure Testing (Check all that apply):

How often are soil tests taken: Yearly Once every 2-3 years At least once every 5
years Never When are they taken: Spring Fall Other _____

How often are manure tests taken: Yearly Once every 2-3 years At least once every 5
years Never When are they taken: Spring Fall Other _____

(Attach copies of all soil and manure tests taken within the last 5 years)

Feed Management (Check all that apply):

Animal Type _____

- Phytase Feeding
 Milk Urea Testing
 Lower Nutrient Content Feeds
 Feeding of Composted Manure
 Intensive Grazing
 Other _____

Crop Rotation(s): _____

*Field # or Name	Crop	Acres	Yield	*STP	*Sensitive Areas	*Site Problems

*Enter only fields that have had or will have manure applied to them. STP = Soil Test Phosphorus (ppm), Sensitive Areas = areas next to water, wetlands, etc., Site Problems = problems such as rocky or sandy soils, watertable, shallow soil depths, steep slopes, etc.

Conservation Practices You Believe Are Needed (List and describe the practices such as changes needed in collection, storage, treatment, transfer, or utilization, changes in land management practices, animal numbers or type, feed management, etc.):