

Nutrient Management Enhancements



Natural Resources Conservation Service
United States Department of Agriculture

Minnesota, 2006

Improve the utilization of nutrients and water quality by collecting manure samples at least annually for nutrient content and apply manure with calibrated applicator.

Definition

This enhancement includes determining the nutrient content of manure and insuring that actual application rates match planned rates.

Purpose

The purpose of this enhancement is to accurately account for nutrients provided by manure to crops and to reduce potential for over or under utilization of these nutrients and consequently over or under additional applications of commercial fertilizer.

Where Used

This enhancement may be used on all operations land applying manure.

Operation and Maintenance

- Samples collected once per year if manure is applied once per year.
- Samples collected twice per year if manure is applied twice per year.
- Samples collected seasonally (four times) for daily scrape and haul operations.
- Samples collected according to NRCS or Univ. of Minnesota guidelines.
- Samples packaged and submitted to Minn. Department of Agriculture Certified manure testing laboratories according to those lab's recommended procedures.
- Application equipment calibrated for each planned manure application rate. NRCS or Univ. of Minnesota calibration procedures used.

Sampling and calibration procedures can be located at the following site:

<http://www.mn.nrcs.usda.gov/technical/ecs/nutrient/manure/manure.htm>

Payment Rate

The payment for this enhancement is an annual per acre payment on acres receiving manure at least once during the contract.

Documentation Required

Provide copies of manure analysis reports.

I certify that, to the best of my knowledge, the above information is correct and that, if requested, I will provide additional documentation to support the above information.

Signature _____ Date _____