

Section III – Nutrient, Pest and IWM Planning

Nutrient Management Planning and Reporting Requirements

Basic Nutrient Management Planning for 590 FOTG practice must meet FOTG standard requirements - Includes nutrient budgets, timing, formulation, and planning for basic water quality concerns (Nitrogen leaching and Phosphorus runoff evaluations). FOTG 590 standard provides additional guidance and information. These minimum requirements are the same for cost share and non-cost share assistance, program and non-program assistance.

Minimum Nutrient Management Plan Contents

- 1) Statement of Purpose / Goals / Objectives of Implementing Nutrient Management
- 2) Conservation Plan Map
 - a) Tract Number,
 - b) Field Number,
 - c) Land Use,
 - d) Acres,
 - e) Legal Description,
 - f) Location of Sensitive Areas (sandy soils, streams, wetlands, etc.);
- 3) Soils Information
 - a) Soils Map,
 - b) NASIS Soil Description or equivalent,
 - c) Leaching Index;
- 4) Nutrient Budget & Record Keeping Information (description of requirements)
 - a) NE-CPA-38 Annual Nutrient Budget / Management Plan Job Sheet and instructions or equivalent information (Refer to Nutrient Management 590 Standard). Required information includes:
 - Crop Information (crop rotation , realistic yield goal and actual yield),
 - Crop Nutrient Recommendations,
 - Soil Test Results,
 - Nutrient Credits (previous manure applications, legumes, irrigation water, and organic matter),
 - Planned Nutrient Application (source, timing, method, and rate per acre), and
 - Actual Nutrient Application (rate applied per acre for each nutrient source);
 - b) Information on Soil Sampling - Guidelines for numbers of samples, method of sampling, etc. can be determined using Neb-Guide G91-1000A “Guidelines for Soil Sampling”;
- 5) On plans that include manure application, a Phosphorus Index Risk Assessment will be completed to determine whether application rate is based on Nitrogen or other basis (refer to Nutrient Management 590 Standard). Required Information includes:
 - a) Soil Loss Documentation (RUSLE2 or equivalent)
 - i) Crop Rotation,
 - ii) Tillage Information;
 - b) Phosphorus Application Information,
 - c) Irrigation Information;
- 6) All requirements required by state and local laws (i.e. NRD groundwater protection areas).

The Nebraska Conservation Planning Sheet No. 11 Nutrient Management, the NE-CPA-38 (or equivalent information), and the Neb-Guide G91-1000A “Guidelines for Soil Sampling” together meet the requirements in items 1, 3c, 4a through 4b if a map is attached /sketched that identifies the area for each nutrient management activity.

Optional Information

The following is an example of optional information, which may be included in Nutrient Management Plans depending on the situation. Other information not listed may also be needed to achieve objectives.

- 7) Additional Nutrient Budget Record Keeping Information:
 - a) Grid or zone soil test results,
 - b) Plant tissue test results,
 - c) Corn stalk nitrate test results,
 - d) Documented records for previous crop yields,
 - e) Detailed GPS/GIS data for soil test levels, yields, crop response, nutrients applied, etc.,
 - f) Scouting notes,
 - g) Manure, sludge or compost test results,
 - h) NE-CPA-42 Slurry or sludge application field record;
 - i) Detailed ICM plan for long term nutrient management goals/objectives,
 - j) Other pertinent nutrient budget information,
 - k) Other appropriate record keeping tools and/or information;

- 8) References:
 - a) Neb-Guide G97-1335-A “Determining Crop Available Nutrients from Manure”,
 - b) Neb-Guide G02-1450-A “Sampling Manures for Nutrient Analysis”,
 - c) Neb-Facts NF02-507 “Manure Testing: What to Request?”,
 - d) Neb-Facts NF01-491 – The Corn Stalk Nitrate Test”,
 - e) Various other Neb-Guides or other references or publications as appropriate (refer to 590 Standard);

- 9) Additional Soils Information:
 - a) Detailed soil chemical and physical data,
 - b) Soil moisture levels at time of application (too wet or dry for application),
 - c) Erosion computation and practices utilized to limit erosion loss (potential for nutrient loss),
 - d) Saline/sodic sites and effects,
 - e) Heavy metal levels and limits, or
 - f) Other pertinent soils information.

Case File Documentation Required for Applied Nutrient Management

Cooperator records shall be adequate to ensure that the nutrient management practice is applied. Adequate follow-up with the producer is necessary to ensure the producer has implemented the practice. Appropriate conservation assistance notes and producer records to verify that the nutrient management practice has been applied according to the 590 Standard shall be included in the case file.

NRCS will provide the cooperator with a NE-CPA-38 Nutrient Budget / Management Plan Job Sheet and instructions or the equivalent, and provide assistance on nutrient management record keeping according to the 590 Standard.