NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE DOCUMENTATION REQUIREMENTS

NUTRIENT MANAGEMENT

(ac.)
CODE 590

CONSERVATION PRACTICE PLAN DOCUMENTATION

SD form SD-CPA-63, “Nutrient Management Tool”

REFERENCE DOCUMENTS

SD form SD-CPA-8, “Annual Nutrient Management Planning Worksheet”
SDSU-EC 750, “Fertilizer Recommendations Guide”
SDSU-Extra 8009, “Quantities of Nutrients Contained in Crops”
SD-NRCS-FS-36, “Sampling Manure for Nutrient Management”
SD-NRCS-FS-38, "Using Manure Analysis Results"
SD-NRCS-FS-43, “Calibrating Manure Spreader Application Rates"
USGS/SDGS, Geology, Water Resources or Aquifer
Reports

PLANNING REQUIREMENTS

South Dakota Phosphorus Loss Risk Assessment (P-index)
South Dakota Leaching Tool (N-index)
“RUSLE2 Profile Erosion Calculation Record.”

A plan map labeled “Water Quality Risk Assessment Map” is required for documenting surface and ground water limitations. The Water Quality Risk Assessment Map will have:

1. fields clearly outlined with a thick bold line boundary.
2. identified at a minimum with a field number or name, acres, and land use (i.e., crop, pasture, etc.,).
3. be clearly marked with the legal description.

For Livestock Operations:

4. setback and/or exclusion areas will be identified by cross-hatched and identified on the map legend
    - These fields are considered to have High runoff potential and will be indicated by an “R” on the map and in the map legend.
5. areas with high risk of leaching will be identified with Blue or Red color on the map and will be identified in the map legend.
    - These fields will be identified by an “L” on the map and in the legend.
6. fields used for manure application will be labeled and clearly identified in the map legend.

For Commercial Fertilizer only:

7. sensitive areas for surface water quality will be identified on the map and identified in the legend.
8. areas with a high risk of leaching will be identified with Blue or Red color on the map and will be identified in the map legend.

Soil testing is required for practice application. Each soil test report will be clearly identified by field.

Soil testing is required for each field identified on the plan map.
* The use of one soil test to represent a group of fields, does not meet Land Grant University guidance for sampling and testing soils.

IMPLEMENTATION DOCUMENTATION

Application records will be required for all fields.

Commercial Fertilizer: Include application maps (if VRT), product formulation and rates applied, application description by product i.e. broadcast, injected, starter, etc., soil test reports or spreadsheet containing soil test analysis, and yield goals (by zone if VRT).

Manure Application: Include a producer summary from SD-CPA-63, soil and manure test reports, and equipment calibration records.

Complete “Certification for Nutrient Management (590) Implementation” on all fields.

A five percent (by field) review of documentation will be completed annually to verify SDSU recommendations have been used.