

**STATEMENT OF WORK**  
Nutrient Management Plan  
Ohio

**These deliverables apply to the Ohio Nutrient Management Plan and the conservation practice Nutrient Management (code 590) included within the Nutrient Management Plan. For other planned practice deliverables included in the nutrient management plan please refer to those specific Statements of Work.**

## **DESIGN**

---

### **Deliverables:**

NOTE: A Nutrient Management Plan (NMP) is to address all included land units on which fertilizer/manure will be applied. Nutrient application cannot exceed the recommendations contained in practice standard (590) Nutrient Management or the Tri-State Fertility Guide. If an animal feeding operation that collect and/or stores manure a Comprehensive Nutrient Management Plan (CNMP) should be developed rather than a NMP.

Items to be delivered to the NRCS District Conservationist include:

- 1) The Ohio NMP document individualized for the operation with signatures (see below detail description of individual components of the NMP)
- 2) An electronic copy of the Ohio NMP Document (with quality maps and aerial photos)
- 4) Any applicable electronic data files that are used to develop the plan

## **Section 1. Background and Site Information**

### **1.1 General Description of Operation**

- Describe the operation including crop rotations and realistic yields, type of tillage used in the operation with typical crop residues, the benchmark resource concerns, and the objectives of the producer

### **1.2 Sampling, Calibration and Other Statements**

This section should address...

- Soil testing method/frequency
- Manure testing method/frequency (if manure applications are included in the plan)
- Equipment calibration method and frequency

### **1.3 Resource related concerns – List and briefly describe:**

- The resource concerns identified and describe about 4 R's, soil (erosion, soil quality, nutrient balance), and water quality.

**STATEMENT OF WORK**  
Nutrient Management Plan  
Ohio

**Section 2: Land Treatment****2.1 Map(s) of Fields and Conservation Practices**

- Conservation plan maps or aerial photos of all fields, management zones and/or grids that will receive fertilizer (as applicable). Maps should indicate roads, streams, marked setbacks (as applicable), buffers, waterways, and environmentally sensitive areas, such as sinkholes, wells, gullies, tile inlets, ruptured tile/blow-holes etc. Each field should be identified using field, management zone and/or grid names/numbers (if applicable), land use designation, acres in size and spreadable acres (if applicable) in the field. Each map should include a legend, map scale, and tract numbers.

**2.2 Land Treatment Conservation Practices**

- Identify and list any existing and/or planned land treatment practices for all land receiving nutrients. Practices should address the resource concerns identified in Section 1.3 and be labeled using NRCS conservation practice code with brief narratives. List the quantities of each practice and develop a schedule of practice installation.
- At a minimum, this section will contain (590) Nutrient Management.

**NOTE:** If the NMP developer is not a Certified Conservation Planner, a conservation plan developed by a certified planner in Customer Service Toolkit must be inserted here or must be approved by a Certified Conservation Planner.

**Section 3: Soil and Risk Assessment Analysis****3.1 Soil Information**

- Include soils maps with legends, map unit descriptions, and a soils Inventory.

**3.2 Nitrogen and Phosphorus Risk Analysis**

- Calculate the risk assessments for potential nitrogen or phosphorus transport from fields on a field-by-field basis.

**3.3 Special Fertilizer Application Criteria**

- The 4-R's should be addressed in this section. The right nutrient source, the right rate, the right time, and the right placement should be identified.

**Section 4: Nutrient Management****4.1 Soil Test Data**

- List soil test values for all fields receiving fertilizer. Data should contain at a minimum, percent organic matter, soil test phosphorus, potassium, magnesium, and calcium as well as pH, and CEC. The values should clearly state whether they are in parts per million or pounds per acre. It should also be clearly stated

**STATEMENT OF WORK**  
Nutrient Management Plan  
Ohio

what test was used to develop the values (such as Bray-Kurts P1, or Mehlich 3 ICP) and what testing lab was used

#### 4.2 Fertilizer Recommendation Maps and/or Tables

- Nutrient recommendation must be developed in either in map and/or table format. They must meet Tri-State Fertility Guide Recommendations. For corn and soybean no field with a soil test phosphorus level of 40 ppm or 80 lbs/ac should have a phosphorus recommendation. If wheat or alfalfa is in the rotation, soil test values can be 50 ppm or 100 lbs/ac before no P2O5 recommendation.
- Nitrogen recommendations must be based on the Economic Threshold model developed by OSU and/or Purdue.

#### 4.3 Fertilizer Material Annual Summary

- Summarize the amount and type of fertilizer used to balance nutrients during the NMP implementation period.

### Section 5: Record Keeping

- Provide the producer forms to record application data

### INSTALLATION

---

#### Deliverables

1. Pre-implementation conference with client to review the plan
2. Location of and communication of setback requirements for wetlands, water bodies, streams, and other nutrient-sensitive areas.
3. Installation guidance as needed.
4. Facilitate and implement required design modifications with client and original designer.
5. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
6. Certification that the application process and materials meets design and permit requirements.

### CHECKOUT

---

#### Deliverables

1. Records of implementation.
  - a. Extent of practice units applied, acres.
2. Guidance for record keeping (implementation records maintained by the producer)
  - a. Records of crops produced, planting and harvest dates, yields, residue management.
  - b. Records of recurring soil tests, and other tests (e.g. manure, plant tissue, water) used to implement the plan.
  - c. Records of recommended nutrient application rates.
  - d. Records of nutrient applications including quantities, analyses, and sources of nutrients applied; dates and methods of application.
  - e. Records of recurring review of the plan including the dates or review, individual performing the review, and recommendations that resulted from the review.

**STATEMENT OF WORK**  
Nutrient Management Plan  
Ohio

3. Certification that the application meets NRCS standards and specifications
4. Progress reporting.

## REFERENCES

---

- NRCS National Planning Procedures Handbook (CNMP Technical Guidance)  
[http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/lpType,toc;H\\_180\\_600\\_E\\_5.htm#CURR](http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/lpType,toc;H_180_600_E_5.htm#CURR)
- NRCS Field Office Technical Guide  
[http://www.oh.nrcs.usda.gov/technical/ohio\\_eFOTG.html](http://www.oh.nrcs.usda.gov/technical/ohio_eFOTG.html)
- NRCS National Engineering Manual  
<http://www.oh.nrcs.usda.gov/intranet/directives.html#NEM>
- NRCS National Agronomy Manual  
[http://policy.nrcs.usda.gov/scripts/lpsiis.dll/M/M\\_190\\_NAM.htm](http://policy.nrcs.usda.gov/scripts/lpsiis.dll/M/M_190_NAM.htm)
- NRCS Environmental Compliance Handbook  
[http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/lpType,toc;H\\_190\\_610\\_Content.htm#CURR](http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/lpType,toc;H_190_610_Content.htm#CURR)
- NRCS Cultural Resources Handbook  
[http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/lpType,toc;H\\_190.htm#CURR](http://policy.nrcs.usda.gov/scripts/lpsiis.dll/H/lpType,toc;H_190.htm#CURR)
- Ohio NRCS Conservation Planning Policy 180- [Conservation Planning and Application](http://www.oh.nrcs.usda.gov/intranet/GenManual/180_gm_cons_plan_applic.html)  
[http://www.oh.nrcs.usda.gov/intranet/GenManual/180\\_gm\\_cons\\_plan\\_applic.html](http://www.oh.nrcs.usda.gov/intranet/GenManual/180_gm_cons_plan_applic.html)