

# Nutrient Management (590)

## Basic Nutrient Management – Inorganic Fertilizer Only

### 2016 Environmental Quality Incentive Program (EQIP)

**Purpose:** To encourage proper implementation of a certified Nutrient Management Plan developed based on University of Tennessee (UT) guidelines and recommendations and the proper management of the 4 R's (Right rate, Right source, Right application method, and Right application timing). By implementing a nutrient management plan, producers will be able to reduce nutrient input costs, maintain or increase yields, and minimize nutrient losses from fields, thus helping protect surface and ground water supplies.

**Eligible Land:** Cropland, Hayland and Pasture

#### Requirements on a per field basis are to:

1. Develop a Nutrient Management Plan (590 Implementation Requirement Sheet) that documents the proper rate, source, application method, and application timing of recommended N, P, and K fertilizer application on a per field or sub-field basis. Nutrients applied must be based on UT Lime and Fertilizer recommendations. Refer to:  
<https://ag.tennessee.edu/spp/Pages/soilfertilizerpubs.aspx>
2. Plan erosion to tolerance "T" levels and to a positive soil conditioning index for the crop rotation.
3. Soil sampling locations shall be on a 10 acre or less grid.
4. Collect soil test samples according to UT guidelines in publication PB1061:  
<https://utextension.tennessee.edu/publications/Documents/PB1061.pdf>
5. Current soil test analyses (less than one year for nutrient plan development) shall be from UT Soil Testing Lab or a certified soil testing lab approved by The North American Proficiency Testing Program (Soil Science Society of America) <http://www.naptprogram.org/about/participants> or Agriculture Laboratory Proficiency Program (ALP). Contact the State Agronomist for ALP labs.
  - a. Soil test results must be based on UT soil testing procedures. For soil tests from approved certified labs utilizing Mehlich 3 soil test extractant for Phosphorus (P) and Potassium (K), the results must be converted to UT guidelines and fertilizer recommendations. Refer to UT guide sheet W229 for proper conversion:  
<https://utextension.tennessee.edu/publications/Documents/W229.pdf>
6. Nutrient budgets shall be based on a realistic yield goal (average of 3 out of 5 years) for each crop in rotation.

#### Recordkeeping

See attached recordkeeping sheet for minimum information required to be submitted and certified by the local NRCS office for payment.

