

USDA-NRCS Nutrient Mgt Funding

February 3 2012

USDA-NRCS Programs

- Environmental Quality Incentives Program
EQIP
- Chesapeake Bay Watershed Initiative CBWI
- Conservation Stewardship Program CSP

EQIP or CBWI

- Comprehensive Nutrient Management Plan - 102
- Nutrient Management Plan (without manure)- 104
Composting Facility 317
- Anaerobic Digester 366
- Nutrient Management (implementation) 590
- Feed Management 592
- Waste Treatment 629
- Solid/Liquid Waste Separation Facility 632

Basic Field Crops with manure

- PSU recommended application methods and rates.
- maintain and records of nutrient application.
- Organic sources tested annually
- equipment calibrated periodically.
- PSNT used on fields receiving organic sources of nutrients.

Advanced Field Crops , with manure

- Consultant to write plans and provide recommendations
- Maintain records of nutrient application.
- Organic sources tested annually
- equipment calibrated periodically.
- guided soil sampling, GPS field monitoring and mapping, yield monitor and yield maps, tissue testing, and split application of nitrogen according to a PSNT.
- Additional practices: GPS navigation, light bar, guided soil sampling, split application of Nitrogen, urease inhibitors, stalk N test, and urease inhibitors.

Advanced Variable Nitrogen Application

- follow PSU recommended application methods and rates.
- Maintain records of nutrient application.
- Precision soil testing and fertilizer application using green chlorophyll sensing technology or equivalent which may include light bar/GPS navigation system.
- Plant tissue tests determine the need for additional nitrogen applications.
- consultant will provide recommendations, guidance, and professional advice on nutrient applications throughout the year.

Conservation Stewardship Program CSP

- Nitrification or urease inhibitors
- 90% of N from legumes, manure and compost
- legume cover crops as an N source
- Plant tissue tests and analysis to improve N mgt
- Apply nutrients < 30 days prior to planting date
- Split N applications
 - 50% after crop emergence
- Apply P fertilizer below soil surface

Conservation Stewardship Program CSP

- Plant a cover crop that will scavenge residual N
- Precision application technology to apply nutrients
- Land application of treated manure
- On farm composting of farm organic waste
- Apply enhanced efficiency fertilizer products
- Split applications of N based on PSNT
- Reduce the concentration of nutrients imported on farm