



## WQL24 - Montana Supplement

### Apply enhanced efficiency fertilizer products - (Water Quality Enhancement Activity)

#### Montana Clarification

**For Montana only enhanced efficiency nitrogen fertilizers will qualify for this enhancement, Enhanced efficiency phosphorus fertilizers will not qualify for this enhancement.** For fall planted crops such as winter wheat 50% of the actual nitrogen applied must be an enhanced efficiency or controlled release fertilizer. For spring planted cool season crops such as spring wheat a minimum of 25% of the actual nitrogen must be a controlled release fertilizer. For spring planted warm season crops such as corn or sugar beets a minimum of 50% of the actual nitrogen must be a controlled release fertilizer. Split applications of nitrogen fertilizers are allowed as long as the minimum percents of controlled release fertilizer applied are met and a minimum of 25 lbs/acre of actual nitrogen as a controlled release fertilizer is applied. Because this enhancement is for pre-emergent and early post emergent nitrogen fertilizer, application of liquid nitrogen products applied later in the growing season do not apply to this enhancement.

#### Montana Specifications

All fertilizer guidelines and special conditions in “Fertilizer Guidelines for Montana Crops” Montana State University Extension Service Publication # EB 161<sup>(1)</sup> should be followed.

#### Controlled Release and Slow Fertilizers for Montana <sup>(2) (3)</sup>

<u>Chemical Name</u>	<u>Affected Process</u>
Polymer-coated (PCU)	Release
Sulfur-coated	Release
Polymer + Sulfur-coated	Release
Urea formaldehyde	Release
Methylene Urea	Release
Methylene Urea + Triazone	Release
Triazone	Release

- (1) “Fertilizer Guidelines for Montana Crop” Montana State University Extension Service Publication # EB 161<sup>(1)</sup> March 2005, Jeff Jacobsen, Grant Jackson and Clain Jones. Website: <http://www.msuxextension.org/store/Departments/Agriculture-Topic-Categories/Fertilizers.aspx?sortorder=1&page=8>
- (2) “Enhanced Efficiency Fertilizers” Montana State University Extension Publication EB0188 June 2011, Kathrin Olson-Rutz, Clain Jones and Courtney Pariera Dinkins. Web site: <http://www.msuxextension.org/store/Departments/Agriculture-Topic-Categories/Fertilizers.aspx>

- (3) This may not be a complete list as new products or formulations are being developed. **For approval of other products, contact the NRCS Field Office, who will then consult with the State Agronomist. Written approval of new products will be obtained prior to use (email is acceptable) and should be attached to this supplement.**

### **Incompatible Enhancements**

Some enhancements are not compatible with other enhancements. If you have a question, contact your local NRCS office.

### **Eligible Land**

Cropland or pasture

### **Applicable Amount**

Applies to all crop or pasture land use types

### **Documentation Requirements (for each year of this enhancement)**

1. A map showing where the activities are applied.
2. Enhanced efficiency product used, including name and formulation of product,
3. Treatment acres,
4. Soil test results, **current soil test no more than 12 months old**
5. Crops grown and yields (both yield goals and measured yield),
6. Calibration of fertilizer application equipment, and
7. Nutrient application rates / amounts, **methods** and application dates for each treatment area.

**Note: In lieu of documenting each individual item listed in the Documentation Requirements, a Certified Crop Advisor plan that contains each of the items may be substituted.**

I acknowledge that I have read and understand all that is required for the implementation of this CSP Enhancement Activity.

\_\_\_\_\_  
Contract participant

\_\_\_\_\_  
Date