



AIR08 Montana Supplement

Nitrification Inhibitors or urease inhibitors – (Air Quality Enhancement Activity)

Montana Clarification

Producer must have a current soil test (no more than 12 months old). All nitrogen fertilizer applied within thirty days of planting except for starter fertilizer must be a nitrification inhibitor or urease inhibitor product.

Nitrogen Fertilizer Stabilizers and Inhibitors ⁽¹⁾ (This may not be a complete list as new products and formulations are being developed. **Landowners will check with the field office before substitutions are made).**

Approved Chemicals

2-chloro-6(trichloromethyl) pyridine (Nitrapyrin)
Dicyandiamide (DCD)
Ammonium thiosulfate
N-butyl-thiophosphoric triamide (NBPT)
NBPT + DCD

Affected Process

Nitrification
Nitrification
Nitrification, Volatilization
Volatilization
Nitrification, Volatilization

⁽¹⁾ “Enhanced Efficiency Fertilizers” – “Stabilizers and inhibitors” section of Appendix table on page 12 of, Montana State University Extension Publication EB0188 reprinted June 2011.

Montana Specifications

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

Incompatible Enhancements

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

Eligible Land

Cropland

Applicable Amount

Acres of annually cropped land or pastureland.

Documentation Requirements

1. A map showing where the activities are applied,
2. Date(s) of application and application rates of fertilizer with inhibitor for each treatment area,
3. Acres of land treated,

4. Soil test results, **current soil test no more than 12 months old**
5. Manure analysis results (where applicable),
6. Crops grown and yields (both yield goals and measured yield), and
7. Calibration of application equipment.
8. Nitrification or urease inhibitor product.

Montana References

- (1) **“Fertilizer Guidelines for Montana Crops” Montana State University Extension Service Publication # EB 161⁽¹⁾** 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** reprinted June 2011, Kathrin Olson-Rutz, Clain Jones and Courtney Pariera Dinkins. Web site: <http://www.msuxextension.org/store/Departments/Agriculture-Topic-Categories/Fertilizers.aspx>

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

Contract participant

Date