



ENR10 - Montana Supplement

Using nitrogen provided by legumes, animal manure and compost to supply 90 to 100% of Nitrogen Needs – (Energy Enhancement Activity)

Montana Clarification

All crop, hay and forage produced on farm must follow and meet MSU fertilizer guidelines ⁽¹⁾.

Phosphorus application rates from manure must follow Montana NRCS and Department of Environmental Quality (DEQ) guidelines for application rates based on soil test results:

Olsen P soil Test (ppm)

Less than 25 ppm

25 – 100 ppm

100 – 150 ppm

Greater than 150 ppm

Application Basis

Nitrogen need

Phosphorus need

Phosphorus need up to crop removal

No application

Manure applications cannot be made on frozen or snow- covered ground. Manure applications must follow all Montana DEQ setbacks including; 100 foot setback or 35 foot vegetated buffer from down-gradient surface waters, sinkholes, wells or other conduits to surface waters.

No synthetic sources of nitrogen (only organic) can be used on the entire farm for this enhancement to be implemented.

Montana Specifications

No additional specifications other than those described in the national enhancement.

Incompatible Enhancements

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

Eligible Land

Crop and pasture land

Applicable Amount

Acres of cropland and pasture land

Documentation Requirements

Crop Production records that include:

1. Source of organic nitrogen, e.g. cover crop, manure
2. An estimate of available nitrogen and method used to estimate.
 - a. Lab analysis – current soil test no more than 12 months old
 - b. Bio mass calculation
3. Soil test results for each treatment area, current soil test no more than 12 months old
4. Amount of manure and/or compost applied per acre
5. Manure nutrient analysis (if applicable)

6. Listing of fields and acres
7. Estimate of legume biomass produced each year

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.msuextension.org/store/Departments/Agriculture-Topic-Categories/Fertilizers.aspx?sortorder=1&page=8>

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

Contract participant

Date