



WQL10 - Montana Supplement – REVISED 2/22/11

Plant a Cover Crop That Will Scavenge Residual Nitrogen – (Water Quality Enhancement Activity)

Montana Clarification

This enhancement is more applicable to area of the country that have more precipitation than Montana, therefore this enhancement WILL NOT be allowed as a standalone enhancement and will only apply if utilized as a part of BCR03. When utilized, this activity will require a current year soil test. A cover crop is grown to bring the nitrogen closer to the soil surface so that it is more readily available for the next crop.

Montana Specifications

Cover Crop Species for scavenging residual nitrogen in Montana ⁽¹⁾

Species	Drilled Seeding Dryland	Rate (lb/ac. PLS) Irrigated
Barley	15	20
Oats	20	30
Durum Wheat	20	30
Sorghum	10	20
Radish, Forage	8	10
Ryegrass (annual)	10	15
Spring Wheat	20	30
Sudangrass	10	15
Triticale	15	20
Turnip	8	10
Winter Wheat	20	30

⁽¹⁾ found in Montana Field Office Technical Guide (FOTG) Specification, Cover Crop (Code 340).

Cover crops should be terminated by chemical, mechanical or other methods prior to seed set to prevent species from becoming weeds in subsequent crops. Depth of soil moisture should be considered when terminating cover crops to conserve soil moisture for crops.

Haying is not allowed. Grazing is allowed not to exceed 50 percent of the current year's growth where a minimum of a 6-inch stubble height is maintained when cover crops are grown in lieu of chemical fallow.

Incompatible Enhancements

This enhancement may not be contracted with the following enhancements:

ANM01, ANM12, ANM21, ANM22, SOE02, SQL03, SQL06

Eligible Land

Cropland

Applicable Amount

Acres of annually cropped lands only.

Example (System)

The applicable acres are any cropland acreage. If a participant has 2500 acres of cropland and he/she was willing to incorporate a nitrogen scavenging cover crop into half of the cropland acres, the applicable acres would be 2500 acres and the applied acres would be 1250 (commencing in Year 1). The Toolkit plan would look like the following:

	Year 1	Year 2	Year 3	Year 4	Year 5
WQL10	1250 ac				

Documentation Requirements

Documentation for each treatment area (field) and year of this enhancement describing these items:

1. A map showing where the activities are applied
2. Cover crop species planted
3. Cover crop planting date
4. Cover crop seeding rate (bu/ac)
5. Annual crop planted
6. Nitrogen application rates/amounts for the annual crop
7. Treatment acres

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

Contract participant

Date