



**Iowa Addendum: Energy Enhancement Activity – ENR12 – Use of legume cover crops as a nitrogen source.**

**Legumes must be selected and managed to supply a minimum of 40 lbs N/acre.** Legume cover crops are established early enough in the growing season to provide adequate fall and winter cover. Cover crops will be seeded no later than the months shown in Table 1 of the Cover Crop practice standard (340) and will be seeded according to the criteria and rates listed in the standard. At a minimum the cover crop must have 2.5 months (fall, spring or combination) of active growth before termination.

Legume cover crops are: Cowpeas, Crimson Clover, Hairy Vetch, Alsike Clover, Red Clover, Ladino (white) Clover, Sweetclover, and Hairy Vetch.

All legume seed must be inoculated for adequate nitrogen fixation. Follow the recommendations of the seed dealer on the proper inoculums to apply to the seed.

For additional cover crop species see *Managing Cover Crops Profitably* third edition.  
<http://www.mccc.msu.edu/documents/ManagingCCProfitably.pdf>

**DOCUMENTATION REQUIREMENTS**

Complete the Table below:

To be completed by NRCS and Producer at time of Planning						To be completed by Producer at Certification		
Tract	Field(s)	Planned Rotation	Yield Goals	Acres Planned	CC Projected Nitrogen	Acres Applied	Cover Crop Used	Additional Nitrogen Applied
Ex. T1234	1	C B cc1	180	60	45 #	60	cc1 Sweet Clover	100 #

**EX= EXAMPLE, COLUMNS 1-5 NRCS COMPLETES, COLUMNS 6-7 PRODUCER COMPLETES**  
**C=Corn; B=soybeans/edible beans; W=Wheat; M=Milo; A=Alfalfa; O=Oats; cc=cover crop;**  
**Others=\_\_\_\_\_**



United States Department of Agriculture  
Natural Resources Conservation Service

2013 Ranking Period 1

Certification of Enhancement Completion:

***I certify that the following information meets specifications and has been provided to NRCS:***

1. Planned rotation, cover crops used, and the number of acres where the enhancement was planned and applied (complete the above table).
2. A map with delineation of the area where the enhancement was applied.
3. Type of legume cover crop and date plated.
4. Calculations for estimating available nitrogen.
5. Type of fertilizer and application rates of additional nitrogen by field.
6. Realistic yield goals for field or specialty crop grown.

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Signature of Producer

Date

Fields

Acres or Number