



CSP JOB SHEET

EPM-Pest Management
Cover Crop Roller

ENHANCEMENT: Herbicide Use Reduction With Cover Crop Roller

BENEFITS

MAJOR BENEFITS:

- Reduced rates of “burn-down” herbicide application in a no-till system.
- Reduced need for post-emergence herbicides.
- Increased rainfall infiltration and available soil moisture.
- Increased control of erosion by water and wind.
- Increased soil quality by added organic matter content.
- Reduced airborne soil particles and reduced sediment in surface water.
- Protects against high soil temperatures.
- Allows use of heavier rates of ground cover while minimizing planting difficulties.
- Increased levels of enzyme activity associated with weed and disease suppression in the crop root zone.

CRITERIA

To be eligible for this enhancement payment, fields must meet the following criteria.

- Small grain cover crops must be planted no later than November 1.
- Legume cover crops or grain/legume cover crop mixtures must be planted no later than October 1.
- Apply 30 lbs. N/ac at planting of grain crops, 15 lbs. N/ac for mixtures.
- Legume seed must be inoculated.
- Prevent harboring of potential pest problems, such as Hessian Fly in wheat by choosing:
Resistant species or variety, or
Control with pesticide.
- Small grain must be in flower by time of rolling. Herbicide for “burn-down” may be applied at one-half rate.
- If “burn-down” herbicide is to be eliminated, small grain must be at the milk stage when roller is use.

RECORDKEEPING

In order to verify performance with these criteria, you must complete the following records.

Field	Year/Crop/Cover Crop	Date cover crop planted	Date cover crop rolled	Growth stage of cover crop	Fertilizer applied	Date Checked
Ex: 1-5	2006/cotton/rye	10/5/05	4/20/06	Full flower	20 lbs. N at planting	5/20/06

