

Pest Management Enhancements



Natural Resources Conservation Service
United States Department of Agriculture

Minnesota, 2006

Choose and Complete:	Enhancement Bundles
	One (1) Component or;
	Two (2) Components or;
	Three (3) Components or;
	Four (4) Components or;
	Five (5) Components

The components for the enhancement bundles are as follows:

- ✓ Band, split, spot, or variable rate pesticide applications
- ✓ Non-chemical weed control
- ✓ Organic farming pest management
- ✓ Small grain and hay rotations
- ✓ Field scouting

Review and sign the following job sheets that describe enhancement components you choose to implement and/or maintain.

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Pesticides are band applied, split applied, spot applied or applied with variable rate technology and equipment

Definition

This enhancement component includes:

- Banding: Applying in a narrow band in close proximity to the plant (for herbicides applied in a narrow strip centered over the crop row).
- Split application: Two or more applications instead of one full rate application
- Spot application: Applying only in areas of the field where needed.

Purpose

The purpose of this component is to:

- Reduce the amount of product needed to control pests
- Decrease potential for applied product to move in runoff

Where Used

This component may be used on:

- All fields requiring pest management.
- All products that can be banded or split applied (see label instructions)

Note: This enhancement only applies if you are scouting fields for pests and matching your management approach to the pest problem.

Operation and Maintenance

Follow all label instructions

Payment Rate

The payment rate is an annual payment as part of the enhancement bundle on all contract acres where this enhancement is applied at least once during the contract life. Criteria must be met each time a product is applied.

Documentation Required

NRCS-Minnesota Form MN-CPA-046 dtd. 1/ 04 (Practices Certification/Recordkeeping Form-use the pesticide section) or a similar form.

I certify that, to the best of my knowledge, the above information is correct and that, if requested, I will provide additional documentation to support the above information.

Signature _____ Date _____

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Weeds are managed primarily by non-chemical controls

Definition

This enhancement component includes using companion crops, cover crops, and crop residues, when appropriate, to suppress weed growth. It also includes using rotations, rotary hoeing, crop cultivation and shallow tillage operations to control annual and biennial weed seedlings. Herbicide applications are only used in an emergency.

Purpose

The purpose of this component is to reduce need for herbicides

Where Used

The component may be used on all land where weed control is needed.

Note: This enhancement only applies if you are scouting fields for weeds and matching your management approach to the weed problem.

Operation and Maintenance

No additional instructions

Payment Rate

The payment rate is an annual payment as part of the enhancement bundle on all contract acres where this enhancement is applied at least once during the contract life. Criteria is met each year weeds are controlled.

Documentation Required

Record of technique applied. Help NRCS update CSP Benchmark Water Quality Nutrient and Pest Management form contained in your NRCS file.

I certify that, to the best of my knowledge, the above information is correct and that, if requested, I will provide additional documentation to support the above information.

Signature _____ Date _____

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Improve water quality through implementation of pest management strategies according to USDA Organic Farming Standards.

Definition

This enhancement component includes all pest management activities and operations are conducted according to the requirements and standards of the USDA organic farming rule.

Purpose

This activity will reduce the potential for water quality degradation by limiting pest management strategies to those products and methods that meet the USDA organic standard.

Where Used

This enhancement is eligible for use on all cropland and pasture acres.

Operation and Management

- Organic pest enhancement payments through CSP are to assist participants who are using a certified organic crop production system. Participants must receive an annual certificate of full organic compliance from a USDA accredited certifying agent to be eligible for each year's CSP enhancement payment. Participants must maintain organic compliance for each year an organic enhancement payment is received.
- Participants must annually schedule and pay for an inspection by a USDA accredited organic certifying agent. This inspection must result in the participant being issued an organic certificate (or verification letter) from the inspecting agent.

Payment Rate

The payment rate is an annual payment as part of the enhancement bundle on all contract acres where this enhancement is applied at least once during the contract life.

Documentation Required

Participants show proof that they have met the USDA organic standards. Copies of organic certificates (results of organic inspection) showing that organic production activities have successfully taken place must be presented to the NRCS District Conservationist when requesting your CSP payment. Documentation required as part of your annual organic inspection also includes;

- Complete and submit an organic farm plan
- Complete annual field history sheets and farm maps
- Keep adequate records of pest management activities

These records will also be made available to NRCS, if requested.

I certify that, to the best of my knowledge, the above information is correct and that, if requested, I will provide additional documentation to support the above information.

Signature _____ **Date** _____

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Rotate row crops with small grains and/or hay.

Definition

This enhancement includes using crops with different life cycles, growth habits and tolerance to weeds, insects and diseases.

Purpose

The purpose of this component is to:

- Interfere with pest life cycles;
- Change the type of pest control needed as crops change (reduce dependency on one specific chemical); and/or
- Reduce amount of chemical control needed.

Where Used

The component may be used on all land requiring pest management.

Operation and Maintenance

No additional instructions

Payment Rate

The payment rate is an annual payment as part of the enhancement bundle on all contract acres using this technique at least once during the contract life.

Documentation Required

Record of technique applied. Help NRCS update CSP Benchmark Water Quality Nutrient and Pest Management form contained in your NRCS file.

I certify that, to the best of my knowledge, the above information is correct and that, if requested, I will provide additional documentation to support the above information.

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Scout fields to determine pest and infestation levels and need for pest control.

Definition

No additional definition.

Purpose

The purpose of this component is to:

- Determine need for and timing of weed, insect and plant disease control.
- Monitor results of controls to help make future pest management recommendations.

Where Used

This component may be used on all land requiring pest management.

Operation and Maintenance

- Scouting frequency and technique is pest and crop specific.
The following website provides information that should be used to comply with the scouting enhancement.
<http://ipcm.wisc.edu/scout/default.htm>
- Document infestation levels or pest activity level prior to treatment
- Published economic thresholds when available are used along with scouting results to determine need for control

Payment Rate

The payment rate is an annual payment as part of the enhancement bundle on all contract acres requiring scouting at least once during the contract life. Scouting occurs annually if pest control is annual.

Documentation Required

- Records of percent (%) weed pressure to include year; location in field, crop, % pressure, weed species and percent of each species contributing to pressure (adds to 100%)
- Records of insect activity level. These vary by insect but often include number of insects per plant examined and % damage.

I certify that, to the best of my knowledge, the above information is correct and that, if requested, I will provide additional documentation to support the above information.

Signature _____ **Date** _____