



CONSERVATION ENHANCEMENT ACTIVITY

E595116Z- Colorado

CONSERVATION STEWARDSHIP PROGRAM

Reduce risk of pesticides in surface water by utilizing IPM PAMS techniques

Conservation Practice 595: Integrated Pest Management

APPLICABLE LAND USE: Crop (annual & mixed), Crop (perennial), Pasture

RESOURCE CONCERN ADDRESSED: Water Quality Degradation

ENHANCEMENT LIFE SPAN: 1 year

Enhancement Description

Utilize integrated pest management (IPM) prevent, avoidance, monitoring, and suppression (PAMS) techniques to reduce risk of pesticides in surface water and reducing the potential for delivery of chemicals into water bodies.

Criteria

- Documentation of producer's record of integrated pest management meeting all Conservation Practice Standard Integrated Pest Management (CPS 595) general criteria
- Utilize ***at least four activities from techniques below:***
 - Prevention activities include cleaning equipment and gear when leaving an infested area, using pest-free seeds and transplants, and irrigation scheduling to limit situations that are conducive to disease development.
 - Avoidance activities include maintaining healthy and diverse plant communities, using pest resistant varieties, crop rotation, and refuge management.



CONSERVATION STEWARDSHIP PROGRAM

- Monitoring activities include pest scouting, degree-day modeling, and weather forecasting to help target suppression strategies and avoid routine preventative treatments.
- Suppression activities include judicious use of cultural, mechanical, biological and chemical control methods that reduce or eliminate a pest population or its impacts while minimizing risks to non-target organisms.



CONSERVATION STEWARDSHIP PROGRAM

Documentation and Implementation Requirements

Participant will:

- Prior to implementation, provide documentation for review showing producer's record of integrated pest management meeting all Conservation Practice Standard Integrated Pest Management (CPS 595) general criteria.
- During implementation, keep documentation, such as records, plans, receipts, showing the implementation of the activities selected.
- After implementation, make documentation available for review by NRCS to verify implementation of the enhancement.

NRCS will:

- Prior to implementation, provide and explain NRCS Conservation Practice Standard Integrated Pest Management (CPS 595) as it relates to implementing this enhancement.
- As needed, provide technical assistance to the participant as requested.
- After implementation, verify implementation by reviewing records kept during enhancement implementation.

Additional Information for Colorado:

- a) Plan map and soils map showing sensitive areas
- b) A list of prevention and avoidance strategies that are being used or will be implemented, refer to CPS 595.
- c) A monitoring scouting plan including pest identified and economic threshold levels for each pest, if applicable.
- d) Environmental Risk assessment of planned suppression techniques (copy of USDA-NRCS Win-PST soil/pesticide interaction report), including the 595 IR mitigation spreadsheet to reduce environmental risk (minimum level of mitigation is based on WIN-PST soil/pesticide interaction rating hazard).
- e) Provide a list of all pesticides (herbicides, insecticides and fungicides) and any other pest suppression techniques (mowing, row cultivation, etc). used in the cropping system.
- f) Provide documentation of one activity from each of the PAMS techniques and the application date.
- g) Copies of records including receipts, irrigation scheduling, crop rotation, pest scouting reports, degree day modeling, etc.

Link for BMPs in Colorado for agricultural pesticide use, visit: [Best Management Practices for Agricultural Pesticide Use](#)



CONSERVATION STEWARDSHIP PROGRAM

NRCS Documentation Review:

I have reviewed all required participant documentation and have determined the participant has implemented the enhancement and met all criteria and requirements.

Participant Name _____ Contract Number _____

Total Acres Applied _____ Fiscal Year Completed _____

NRCS Technical Adequacy Signature

Date

USDA is an equal opportunity employer, provider and lender.