



CONSERVATION ENHANCEMENT ACTIVITY
E595116X

CONSERVATION
STEWARDSHIP
PROGRAM

Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques

Integrated Pest Management - 595

APPLICABLE LAND USE: Crop (annual & mixed); Crop (perennial)

RESOURCE CONCERN ADDRESSED: Water Quality Degradation

PRACTICE LIFE SPAN: 1 year

Enhancement Description

Utilize precision application techniques to reduce risk of pesticides in surface water by reducing total amount of chemical applied 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
- Use of GPS is required to document application and site-specific compliance with all label requirements for controlling non-target application.
- Utilize one or more of the following techniques to reduce the total amount of chemical applied and reduce the potential for delivery of chemicals into water bodies:
 - Precision guidance system which reduces ground or aerial spray overlap to less than 12 inches
 - Variable rate technology (VRT) which allows rate of pesticide application to dynamically change for site specific applications



- “Smart sprayer” technology which utilizes automatic sensors and computer controlled nozzles to turn individual nozzles on and off

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Documentation Requirements

- Documentation of producer’s record of integrated pest management meeting all Conservation Practice Standard Integrated Pest Management (CPS 595) general criteria and additional criteria to prevent or mitigate off-site pesticide risks to water quality from leaching, solution runoff, and adsorbed runoff losses.
- As applied records of actual applications using the selected technology (maps and/or tabular statistics).