



CONSERVATION ENHANCEMENT ACTIVITY

E595129Z

CONSERVATION STEWARDSHIP PROGRAM

Reduce ozone precursor emissions related to pesticides by utilizing IPM PAMS techniques

Conservation Practice 595: Integrated Pest Management

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

RESOURCE CONCERN ADDRESSED: Air Quality Impacts

Enhancement LIFE SPAN: 1 year

Enhancement Description:

Utilize integrated pest management (IPM) prevent, avoidance, monitoring, and suppression (PAMS) techniques to reduce ozone precursor emissions related to pesticides.

Criteria:

- Documentation of producer’s record of integrated pest management meeting all Integrated Pest Management (595) general criteria
- Utilize **at least four activities from the techniques below:**
 - Prevention activities include cleaning equipment and gear when leaving an infested area, attracting natural enemies, using resistant varieties, pest-free seeds and transplants, properly storing pesticides, 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.

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- Monitoring activities include pest scouting both pests and beneficial organisms, degree-day modeling, and weather forecasting to help target suppression strategies and avoid routine preventative treatments.
- Suppression activities include judicious use of cultural, mechanical/physical, biological and chemical control methods that reduce or eliminate a pest population or its impacts while minimizing risks to non-target organisms. Optimizing application timing, using precision application equipment, or substituting lower risk pesticides. When selecting an activity include at least one suppression activity to reduce emissions of ozone precursors, such as choosing low-emission application methods, selecting alternatives or avoiding use of emulsifiable concentrate (EC) formulations, use of precision application, solarization, or biofumigants.



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Documentation and Implementation Requirements:

Participant will:

- Prior to implementation, provide documentation for review showing producer’s record of integrated pest management meeting all Integrated Pest Management (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 additional assistance to the participant as requested.
- After implementation, verify implementation by reviewing records kept during enhancement implementation.

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

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