



CONSERVATION ENHANCEMENT ACTIVITY
E595129Z

CONSERVATION
STEWARDSHIP
PROGRAM

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

Integrated Pest Management - 595

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

RESOURCE CONCERN ADDRESSED: Air Quality Impacts

PRACTICE 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 one activity from each technique:***
 - 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.
 - 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.



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- 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.

Documentation Requirements:

- Documentation of producer's record of integrated pest management meeting all Integrated Pest Management (595) general criteria.
- Documentation, such as records, plans, receipts, showing the implementation of the activities selected.