

Year 2000 and 2001 Priority Actions

Urban Pesticides BMP Development and Implementation Actions - 58 & 59

1. General Description of the Action

Diazinon and Chlorpyrifos are organophosphate pesticides that are used widely by pesticide applicators and home owners. These pesticides are popular because limit impacts to non-target organisms. Particularly, they are safe for human use and they do not kill birds or most of the insects on which they subsist. Central Valley rivers and urban creeks demonstrating toxicity associated with these pesticides after moderate rainfall. Programs are needed to eliminate toxicity in the receiving waters.

Best Management Practices (BMPs) are currently being developed for other uses of diazinon and chlorpyrifos. Additionally the Urban Pesticide Committee (UPC), an ad hoc committee of state and local agencies, has been working on toxicity issues associated with urban pesticides and has developed some conceptual models to address BMPs.

Implementation of BMPs would require surveys and publicity campaigns.

2. Cost Estimates

Development of BMPs would require about \$400,000 to complete the process started by the UPC and test certain aspects of what was found.

Implementation of the BMPs with complete media and public educational components would cost about \$1.6 million. Implementation and monitoring would drop to about \$0.8 million in subsequent years, for a period of about 3-5 years.

Some local programs would probably be willing to contribute to the development of BMPs. The manufacturers of the chemicals would also contribute if funds are available.

3. Program Administration and Governance

The CALFED Water Quality Program should oversee the coordination of BMP development through a stakeholder process involving manufacturers, users, environmental groups, and state and local agencies. Contracts for work should be let through the Regional Water Quality Control Board, Central Valley Region.

4. Program Coordination

The Department of Pesticide Regulation needs to be involved because, ultimately, the BMP's are further descriptions of labeled use.

The Regional Water Board could assist in implementation of BMPs. Local agencies such as Sacramento County, City of Sacramento, City of Stockton, and San Joaquin County will share in the local implementation of the new BMPs. These agencies will also continue testing for the indicated pesticides and will conduct toxicity monitoring.

This is not a specific function of any other agency. However, the results of this exercise should be given to municipalities for implementation in urban stormwater programs. Every effort will be made to leverage funds spent on this proposal by participating with groups like the UPC.

5. Schedule

Initial BMPs could be developed in a few short months. Initial implementation of the BMPs would take about 5 months after BMP development. Actual results from implementation would vary depending on the BMPs and public acceptance. Monitoring to determine effectiveness would be over a three to five year span.