



# Department of Pesticide Regulation



Mary-Ann Warmerdam  
Director

## MEMORANDUM

Arnold Schwarzenegger  
Governor

TO: James Goldstene  
Executive Officer  
Air Resources Board  
1001 I Street  
Sacramento, California 95814

FROM: Chris Reardon  
Chief Deputy Director  
916-445-4000

*Original signed by*

DATE: January 16, 2009

SUBJECT: PROPOSED TOXIC AIR CONTAMINANT MONITORING FOR 2009

Pursuant to Food and Agricultural Code section 14022(c), the Department of Pesticide Regulation (DPR) requests that the Air Resources Board (ARB) monitor for the following pesticides in 2009:

- diazinon
- iodomethane
- propyzamide

DPR requests that ARB monitor two application sites for diazinon. This organophosphate insecticide is used primarily on orchards and vegetable crops, and is high priority for risk assessment. High use occurs during summer and winter. DPR requests that ARB monitor the same application site during summer and winter to determine which season has higher concentrations. DPR will provide recommendations for dates and locations of monitoring after evaluating recent pesticide use data. ARB should investigate the possibility of including the oxygen analog breakdown product in the monitoring.

DPR requests that ARB develop a method to monitor iodomethane using canisters. This is a fumigant pesticide and may be used as a replacement for methyl bromide. This pesticide is not yet registered for use in California. However, DPR recently approved several field research studies. In the event DPR registers this pesticide, we anticipate high use and extensive monitoring may be needed. DPR requests limited monitoring of an application site as part of the process to validate the sampling and analytical methods. No iodomethane breakdown products need to be monitored. DPR plans to collect and analyze collocated samples using sorbent media and compare to ARB's canister results.



James Goldstene  
January 16, 2009  
Page 2

DPR requests that ARB monitor one application site and conduct ambient monitoring for propyzamide. This herbicide is used primarily on lettuce and is high priority for risk assessment. DPR will provide recommendations for dates and locations of monitoring after evaluating recent pesticide use data. In addition, ARB should investigate the possibility of including the breakdown product 3,5-dichlorobenzamide in the monitoring.

Based on a preliminary assessment of the toxicology data, DPR requests the following target quantitation limits:

- diazinon and breakdown product           0.013  $\mu\text{g}/\text{m}^3$
- iodomethane                                   0.1 ppb
- propyzamide and breakdown product    5  $\mu\text{g}/\text{m}^3$

Thank you for your consideration of this request. If you have any questions, please feel free to contact me, or John S. Sanders, Ph.D., of my staff, at 916-324-4155 or <[jsanders@cdpr.ca.gov](mailto:jsanders@cdpr.ca.gov)>.

cc: John S. Sanders, Ph.D., DPR Environmental Program Manager  
Joan E. Denton, Ph.D., Office of Environmental Health Hazard Assessment Director  
Bill Loscutoff, ARB Division Chief