



# Department of Pesticide Regulation

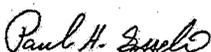


Paul Helliher  
Director

## MEMORANDUM

Arnold Schwarzenegger  
Governor

TO: Tobi Jones, Assistant Director  
Division of Registration and  
Health Evaluation

  
FROM: Paul Gosselin  
Chief Deputy Director  
(916) 445-4330

DATE: April 14, 2004

SUBJECT: RISK MANAGEMENT DIRECTIVE FOR DELTAMETHRIN AND  
TRALOMETHRIN

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Department of Pesticide Regulation (DPR) staff have completed the risk characterization document for deltamethrin. The toxicological issues related to deltamethrin are closely related to another pesticide active ingredient, tralomethrin. A risk management directive for tralomethrin was issued in 1996. This risk management directive supersedes the 1996 risk management directive for tralomethrin and addresses concerns identified for deltamethrin.

For these active ingredients, the toxicological hazard rests somewhere between 1 mg/kg/day and 10 mg/kg/day. The risk characterization document adequately characterizes the hazard associated with these doses. Although a conservative approach would dictate using the 1 mg/kg/day dose, a reasonable decision could be made using the 10 mg/kg/day.

For most exposures, the margins-of-exposure exceed or nearly reach 100 based on the 1 mg/kg/day dose. At the 10 mg/kg/day dose, most margins-of-exposure demonstrate acceptable risk. However, there are some residential exposures that warrant development of risk mitigation.

- Broadcast residential applications pose an unacceptable risk to adults and children based on the 1 mg/kg/day dose, while the 10 mg/kg/day dose shows marginally acceptable risk. Please proceed with evaluating residential broadcast uses of deltamethrin and tralomethrin in order to take appropriate mitigation measures.
- The dust formulations posed a significant risk to applicators and handlers. Please proceed with evaluating residential dust formulations to evaluate appropriate mitigation measures.

If you have any questions, please contact me.

