

2125 South First Street • Champaign, Illinois 61820-7499
#604219501 July 14, 1995

CHAMPAIGN COUNTY (CHAMPAIGN) - Indoor Air Pesticide Survey
Carrie Busey Elementary School

Mr. Ralph Leffler, Principal
Carrie Busey Elementary School
1605 West Kirby Avenue
Champaign, Illinois 61821

Dear Mr. Leffler:

Per your request, Cary Ware from this Department conducted an indoor air pesticide survey at the school on April 21 - April 24, 1995. This survey was conducted in response to school staff concerns about potential exposure to Dursban (Chlorpyrifos) during and after its application inside the building.

The indoor air levels for chlorpyrifos were detected well below the National Institute for Occupational Safety and Health (NIOSH) Time-Weighted Average (TWA). Thus, no adverse health effects would be expected from exposure to air concentrations identified in three air samples. As expected, the highest air concentration of chlorpyrifos was detected during its application. Lower chlorpyrifos concentrations were detected the following morning in two air samples. No chlorpyrifos concentrations were detected in air samples collected on the third day after pesticide treatment.

Maintenance personnel mixing pesticides at concentrations (use dilutions) less than the recommended label rate (.11% and .13% vs. recommended label rate of .25%) is acceptable. However, ponding or puddling and drift (verified by pesticide wipe samples) of pesticide on to non-target areas during application (i.e. floor, bookshelves, underneath classroom sinks potentially contaminating supplies) are violations of the Illinois Structural Pest Control Act and Code. These violations are the following:

1. Section 830.810 of the Illinois Structural Pest Control Code - applying pesticides inconsistent with labeling.
2. Section 830.800(b) of the Illinois Structural Pest Control Code - no person shall apply a pesticide in such a manner as to create a hazard from dripping and/or drift.
3. Section 13(c) of the Illinois Structural Pest Control Act 225 ILCS 235/13(c) - failure to use methods suitable for structural pest control.

Therefore, it is recommended that you do the following:

1. Modify your current pest control program by implementing the guidelines documented in the enclosed Illinois Department of Public Health (IDPH) Integrated Management of Structural Pests in Schools.

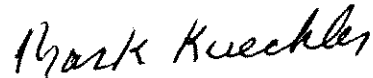
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2. Limit spot treatments. Use crack and crevice treatments since this is where insects usually harbor.
3. Contact Randy Markillie from IDPH at our Champaign Regional Office for structural pest control consultation or recommendations for inservice pest control training for school district employees.

If you have any questions, please contact Mr. Ware or me at our Champaign Regional Office located at 2125 South First Street, Champaign, Illinois 61820, telephone (217) 333-6914, fax (217) 244-3954.

Very truly yours,



Mark Kuechler, P.E.
Regional Engineer

CW:kgb

Enclosure

cc: Champaign Regional Office ^{CW}
Division of Environmental Health