

## Case Studies

### Agromedicine Program Update

Case studies are reported in this monthly newsletter of the Medical University of South Carolina's Agromedicine Program.

E-mail: [caldwest@musc.edu](mailto:caldwest@musc.edu)

<http://www.musc.edu/oem/ahome.html>

### An American Farm Tale: The Rea Farm Case Study

<http://www.rce.rutgers.edu/>

A 20-minute instructional video on a chronic organophosphate insecticide exposure situation, including diagnosis and treatment. The video is available through the Pesticide Education Coordinator at the land-grant university in each state. An instructor's guide will be available on-line at Rutgers Pest Management Office Web Site.

### Case Studies in Environmental Medicine

Agency for Toxic Substances and Disease Registry (ATSDR)

<http://www.atsdr.cdc.gov/HEC/csem.html>

A series of self-instructional publications designed to increase primary care provider's knowledge of hazardous substances in the environment and to aid in the evaluation of potentially exposed patients. Continuing medical education credits and continuing education units are offered by the ATSDR in support of this series. Two of the series deal with pesticides: chlordane (which has not been used in fifteen years) and cholinesterase inhibitors (which are used extensively in agriculture, structural pest control, lawn and landscapes, public health, and other situations). Neither is currently available on-line, although ATSDR plans to make them available soon.

### Environmental Justice Case Study: DDT Contamination

University of Michigan

Phone: (734) 764-1817

<http://www.umich.edu/~snre492/triana.html#background>

This case study has a click-through table of contents, which makes each section more accessible. The study chronicles the community's (Huntsville Spring Branch near Triana, Alabama) struggle to get Olin to clean up the DDT contamination. Olin, which manufactured and sold DDT to the Army and other companies for use as a pesticide, apparently had been discharging their wastewater contaminated with DDT into the Huntsville Spring Branch.

### Morbidity and Mortality Weekly Report

Centers for Disease Control and Prevention

Selected case studies include:

- Occupational Poisoning in Apple Orchards  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00023208.htm>
- Nosocomial Poisoning Associated with Emergency Department Treatment of Organophosphate Toxicity  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm4951a2.htm>
- Epidemiologic Notes and Reports: Neurologic Findings Among Workers Exposed to Fenthion in a Veterinary Hospital  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00000575.htm>
- Epidemiologic Notes and Reports: Organophosphate Insecticide Poisoning Among Siblings  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00000422.htm>

- Illnesses Associated with Occupational Use of Flea-Control Products  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm4821a3.htm>
- Acute Pesticide Poisoning Associated with Use of a Sulfotepp Fumigant in a Greenhouse  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00043633.htm>
- Deaths Associated with Exposure to Fumigants in Railroad Cars  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00031917.htm>
- Aldicarb as a Cause of Food Poisoning  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00056877.htm>
- Poisonings Associated with Illegal Use of Aldicarb as a Rodenticide  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00049561.htm>
- Epidemiologic Notes and Reports: Arsenic Contamination in an Abandoned Building  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00001169.htm>
- Occupational Fatalities Associated with 2,4-Dichlorophenol (2,4-DCP) Exposure  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm4923a3.htm>
- Illnesses Associated with Use of Automatic Insecticide Dispenser Units  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm4922a3.htm>
- Pentachlorophenol Poisoning in Newborn Infants  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/lmrk091.htm>
- Farm Worker Illness Following Exposure to Carbofuran and Other Pesticides  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00056485.htm>
- Unintentional Methyl Bromide Gas Release  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00001527.htm>
- Epidemiologic Notes and Reports: Organophosphate Toxicity Associated with Flea-Dip Products  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00000029.htm>
- Epidemiologic Notes and Reports: Fatalities Resulting from Sulfuryl Fluoride Exposure after Home Fumigation  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00051658.htm>
- Epidemiologic Notes and Reports: Aldicarb Food Poisoning from Contaminated Melons  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/00000721.htm>