MEASURING POTENTIAL DERMAL TRANSFER OF SURFACE PESTICIDE RESIDUE GENERATED FROM INDOOR FOGGER USE. J. M. Rosas, T. Tongsinchusak, H. Fong, and L. I. Krieger. California Department of Food and Agriculture, Worker Health and Safety Branch, Sacramento, CA.

A study to measure potential dermal and inhalation exposure to a chlorpyrifos/allethrin home fogger was conducted with five human volunteers. Following label indicated fogging treatment and venting at identical carpeted hotel rooms, human subjects in dosimeter clothing were led through a routine of Jazzercise™ exercises. Dosimeter clothing consisted of cotton gloves, socks, tight pants and shirts. Following exercise in each room the subjects removed the contaminated dosimeter clothing and put on fresh clothes. In addition to clothing, floor deposition was monitored with gauze and aluminum foil corner pads. Clothing and corner pads were extracted with ethyl acetate and extracts analyzed by electron capture gas chromatography. A majority (55-61%) of the fogger insecticides were depo...