WORKING DRAFT
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Series 875 - Occupational and Residential Exposure Test Guidelines

Group B - POSTAPPLICATION EXPOSURE MONITORING TEST GUIDELINES

Version 5.4

U.S. Environmental Protection Agency
Office of Prevention, Pesticides,
and Toxic Substances

February 10, 1998

DISCLAIMER

This document is a working draft for review purposes only and does not constitute U.S. Environmental Protection Agency policy. It is being circulated for comment on its technical accuracy and policy implications.

ABOUT THE REVISION

WHAT IT IS:

Series 875 - Group B: *Postapplication Exposure Monitoring Guidelines* is a revision and expansion of the former *Pesticide Assessment Guidelines Subdivision K*. Series 875 - Group B is one of several guidelines available to assist the regulated community in designing and implementing studies required under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

WHO IT'S FOR:

- Pesticide registrants and other individuals interested in postapplication exposure monitoring.

WHAT'S NEW:

These guidelines greatly expand the scope and depth of the existing Subdivision K Guidelines. Highlights include:

- Guidance on providing a study design;
- Guidance on conducting indoor/residential exposure monitoring;
- Guidance on conducting lawn/turf exposure monitoring;
- Guidance for providing detailed use information; and
- Guidance for providing detailed quality assurance and quality control data.

ORGANIZATION OF THIS DOCUMENT:

This document is divided into four Parts followed by an appendix. The actual "how-to" instructions are provided in Part B. Part A provides background material; Part C provides information on quality assurance and quality control; and Part D provides information on the calculations needed to assess exposure and risk.

FOR FURTHER INFORMATION CONTACT:

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TABLE OF CONTENTS

TABLE OF CONTENTS (continued)

Page No.

TABLE OF CONTENTS (continued)

Page No.

TABLE OF CONTENTS (continued)

Page No.

TABLE OF CONTENTS (continued)

Page No.

TABLE OF CONTENTS (continued)

Page No.

TABLE OF CONTENTS (continued)

Page No.

TABLE OF CONTENTS (continued)

Page No.

LIST OF TABLES

LIST OF FIGURES

LIST OF FIGURES (continued)

UNITS OF MEASURE

cm	centimeter
gal	gallon
K	degrees Kelvin
kg	kilogram
L	liter
lb	pound
m	meter
mg	milligram
mL	milliliters
Pa	pascal
ppm	parts per million
%	percent
Torr/mm Hg	millimeters of mercury
µg	microgram
μm	micrometer

ACRONYMS

AChE	Acetyl Cholinesterase
ADD	Average Daily Dose
AEL	Allowable Exposure Level
ARC	Ambient Reentry Concentration
a.i.	Active Ingredient
ARTF	Agricultural Reentry Task Force
CBI	Confidential Business Information
COM	Consumer and Occupational Model
CFR	Code of Federal Regulations
DFR	Dislodgeable Foliar Residue
EPA	Environmental Protection Agency
FFDCA	Federal Food, Drug, and Cosmetic Act
FIFRA	The Federal Insecticide, Fungicide, and Rodenticide Act
FQPA	Food Quality Protection Act
HEAST	EPA's Health Effects Assessment Summary Tables
HED	Health Effects Division
HVAC	Heating, Ventilation, and Air Conditioning
GI	Gastrointestinal
GLPs	Good Laboratory Practices
IRIS	EPA's Integrated Risk Information System
ISR	Indoor Surface Residue
LADD	Lifetime Average Daily Dose
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOD	Limit of Detection
log K_{ow}	Octanol/water Partition Coefficient
LOQ	Limit of Quantification
MCCEM	Multi-chamber Concentration and Exposure Model
MOE	Margin of Exposure
NIST	National Institute of Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOPES	Nonoccupational Pesticide Exposure Study
OECD	Organization for Economic and Cooperative Development
OP	Organophosphorous insecticides
OPP	The Office of Pesticide Programs
OPPTS	Office of Prevention, Pesticides, and Toxic Substances
ORETF	Outdoor Residential Exposure Task Force
PCP	Pentachlorophenol
PUF	Polyurethane Foam

QA	Quality Assurance
QA/QC	Quality Assurance/Quality Control
QAU	Quality Assurance Unit
QC	Quality Control
RDL	Reentry Dose Level
REI	Restricted-entry interval
SAP	FIFRA Scientific Advisory Panel
SCIES	Screening Consumer Inhalation Exposure Software
SRD	Soil Residue Dissipation
SVOCs	Semi-volatile Organic Chemicals
TC	Transfer Coefficients
TGAI	Technical Grade of the Active Ingredient
TSCA	The Toxic Substances Control Act
UAR	Unidentified Analytical Response
USDA	United States Department of Agriculture
VOCs	Volatile Organic Chemicals
WBD	Whole Body Dosimeters
WPS	Worker Protection Standards