

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 3 1991

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Malathion Exposure Data Gaps (Subpart U Reregistration).

TO: Flora Chow
Science Analysis and Coordination Branch
Health Effects Division (H7509C)

FROM: Mark I. Dow *Mark I. Dow*
Special Review and Registration Section
Occupational and Residential Exposure Branch
Health Effects Division (H7509C)

THRU: Curt Lunchick, Section Head *Curt Lunchick*
Special Review and Registration Section
Occupational and Residential Exposure Branch
Health Effects Division (H7509C)

THRU: Charles L. Trichilo, Ph.D., Chief *Ch. Trichilo*
Occupational and Residential Exposure Branch
Health Effects Division (H7509C)

The Occupational and Residential Exposure Branch (OREB)/HED has reviewed the "LUIS Printout of Registered Uses of Malathion" (18 DEC 85: Rev 6 JAN 88). The review was done to determine the use sites that would be subject to the provisions of "Pesticide Assessment Guidelines Subdivision U", as they regard data gaps relative to reregistration. The attached list indicates the use sites that will require exposure studies per Subdivision U.

Exposure studies will be required for each formulation registered for the Use Sites identified on the attached list. Fifteen replicates are recommended for each job function (applicator, mixer/loader) and site/formulation combination.

REPRESENTATIVE EXPOSURE DATA GAPS

FORAGE CROPS---applied by air, mistblower, ground broadcast
mixing/loading of D., WP., EC., SC/L., RTU.

TREE FRUITS & NUTS---applied by airblast, hand held spray,
backpack
mixing/loading of WP., EC., SC/L., RTU., PrL.

NOTE: Applications to mature trees separate from "nursery
stock".

PINEAPPLE---applied by air, airblast
mixing/loading of WP., EC.

TROPICAL FRUITS AND NUTS---applied by airblast, hand held spray,
backpack
mixing/loading of WP., EC., SC/L.

"BUSH" BERRIES/OTHER FRUIT---applied by airblast, groundboom for
any of the fruits and broadcast for
strawberries.
mixing/loading of D., WP., EC., SC/L., RTU.

MELONS/SQUASH---applied by mistblower
mixing/loading of WP., EC.

GRAIN---applied by air
mixing/loading of WP., EC., SC/L., RTU.

GRAPES---applied by airblast, root dip
mixing/loading of WP., EC., SC/L., RTU.

VEGETABLES-

Dandelion---applied by broadcast
mixing/loading of D., WP., EC.

Mushroom---applied by hand held spray
mixing/loading of WP., EC.

Watercress---applied by hand held spray, backpack
mixing/loading of WP., EC.

GREENHOUSE---applied by hand held spray, green house fog
mixing/loading of WP., EC., RTU.

NOTE: D=dust, G=granule, EC=emulsifiable concentrate,
WP=wettable powder, SC/L=soluble concentrate/liquid,
PrL=pressurized liquid, RTU=ready-to-use