

US EPA ARCHIVE DOCUMENT

APR 19 1993

NOTE TO: Fenbuconazole File (129011)

SUBJECT: Estimated Worker Exposure For Proposed Uses

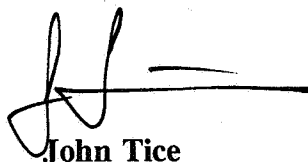
DATE: April 19, 1993

The attached documents in addition to PHED were used to estimate applicator exposure for the deliberations of the ADI committee. The exposure is based on the following information and assumptions:

- The product was applied at the rate of 0.125 lbs ai per acre by air blast equipment, open cab, open pour mixing and loading,
- handlers wear goggles, mid-forearm to elbow-length chemical resistant gloves, hat, long-sleeved shirt and long pants when mixing, loading and applying this product,
- daily exposure assumes 20 acres are treated per day at the maximum rate.

The three proposed labels and a table of estimated exposures are attached.

Attachments:



John Tice

WORKER EXPOSURES TO FENBUCONAZOLE USING PHED SURROGATE DATA

OPERATION	UNIT EXPOSURE μg/lb handled	GROSS EXPOSURE¹ 20 ACRES (μg a.i.)	DAILY EXPOSURE² (20 ACRES) μg/kg	TOTAL YEARLY EXPOSURE μg/kg	ANNUAL DAILY EXPOSURE μg/kg/day
M/L OPEN LOAD	27.5	68.75	0.98		
GROUND A.B. 20 ACRES	193.8	484.50	6.92		
AERIAL APPLICATOR	4.7	11.75	0.17		
M/L/A GROUND	221.3	553.25	7.90		

¹ Exposure resulting from handling 2.5 lbs ai; enough to spray 20 acres @ 0.125 lbs ai/acre.

² Daily exposure estimate for handling 2.5 lbs. ai. Estimates calculated using the following formula:

$$\frac{\text{Unit Exposure} * 2.5 \text{ lbs. ai.}}{70 \text{ kg. bw.}} = \text{Daily Exposure}$$

Page _____ is not included in this copy.

Pages 3 through 15 are not included.

The material not included contains the following type of information:

- Identity of product inert ingredients.
 - Identity of product impurities.
 - Description of the product manufacturing process.
 - Description of quality control procedures.
 - Identity of the source of product ingredients.
 - Sales or other commercial/financial information.
 - A draft product label.
 - The product confidential statement of formula.
 - Information about a pending registration action.
 - FIFRA registration data.
 - The document is a duplicate of page(s) _____.
 - The document is not responsive to the request.
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The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.
