

US EPA ARCHIVE DOCUMENT

AUG 26 1994

NOTE:

TO: Dick Schmitt

SUBJECT: Estimate of Malathion's Cancer Potency

Based on the incidence of liver tumors given me at the August 25, 1994, meeting with you, Karl, Debra, et.al., the statistics Section has determined a cancer potency value (Q_1^*).

For males, adenomas only	1.06x10 ⁻³
For males, adenomas and carcinomas	1.48x10 ⁻³
For females, adenomas only	1.20x10 ⁻³
For females, adenomas and carcinomas	1.59x10 ⁻³

I would use the highest value of approximately 1.6x10⁻³ (mg/kg/day)⁻¹ for estimating cancer risk.

It should be noted that these are only draft or preliminary tumor counts, e.g., I am assuming that the adenomas and carcinomas can be added, but this wasn't so stated. This new data has not been peer reviewed. nor have we received data concerning the non neoplastic effects of malathion at these doses.

Bill

Bill Burnam

cc: Debra Edwards
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