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

18-FEB-1998

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

TO: Brian Steinwand, EPS
Chemistry and Exposure Branch I

FROM: Martha Lamont, Chemist *M. Lamont*
Registration Action Branch I

SUBJECT: DRES Analysis for Malathion

As you may recall, a DRES analysis dated 30-JAN-1998 utilized PDP and FSIS data. We are attempting to further refine this analysis with data available for other crops. Please perform a chronic and acute DRES analysis for malathion using additional PDP information provided below.

Acute DRES Tier 2:

1) orange juice: Source: PDP data--use highest LOD = 0.020 ppm

Chronic DRES Tier 3:

1) grapes: Source: PDP data (data do not include mala-oxon). Use 1/2 highest LOQ = 0.027 ppm.

2) grapefruit: Source: PDP data (data do not include mala-oxon). Use 1/2 highest LOQ = 0.084 ppm.

3) pears: Source: PDP data (data do not include mala-oxon). Use 1/2 of highest LOQ = 0.03ppm.

4) peaches: Source: PDP data (data do not include mala-oxon). Use 1/2 of highest LOQ = 0.027 ppm.

5) squash: Source: PDP data (data do not include mala-oxon). Use 1/2 of highest LOQ = 0.03ppm.

6) celery: Source: PDP data (data do not include mala-oxon). Use 1/2 of highest LOQ = 0.068 ppm.

- 7) broccoli: Source: PDP data (data do not include mala-oxon). Use $\frac{1}{2}$ of highest LOQ = 0.068 ppm.
- 8) lettuce: Source: PDP data (data do not include mala-oxon). Use highest residue detected = 0.047 ppm.
- 9) spinach: Source: PDP data (data do not include mala-oxon). Use highest residue detected = 0.003 ppm.
- 10) carrots: Source: PDP data (data do not include mala-oxon). Use $\frac{1}{2}$ of highest LOQ = 0.027 ppm.
- 11) sweet potatoes: Source: PDP data (data do not include mala-oxon). Use highest residue detected = 0.012 ppm.
- 12) green beans: Source: PDP data (data do not include mala-oxon). Use $\frac{1}{2}$ of highest LOQ = 0.068 ppm.
- 13) sweet peas: Source: PDP data (data do not include mala-oxon). Use $\frac{1}{2}$ of highest LOQ = 0.015 ppm.
- 14) soybeans: Source: PDP data (data do not include mala-oxon). Use highest residue detected = 0.325 ppm.

cc: RAB 1 file