US EPA ARCHIVE DOCUMENT

DATA EVALUATION REPORT

Kevin J. Sweeney, Entomologist
Insecticides Branch

Kevin J Sweeney 9/16/02

Date: September 16, 2002

Product: Bug-Juice Insecticide Paint Additive

EPA File Symbol: 47332-11

Registrant: Walla Walla Environmental, Inc.

Product Manager: George LaRocca, PM 13

Submission: S619951

DP: D284865

Active ingredient: deltamethrin 4.75%; end-use dilution is 0.02% . Product is incorporated into paints and stains and applied to primed surfaces. Treated materials include wood, metal and concrete.

OPPTS Guideline: 810.0035

Studies submitted:

MRID 45710503 Efficacy of Deltamethrin Formulated Paint Studies by Clyde Webster, Webster Chemical Consultants.

MRID 45710504 Cockroach Morbidity Study of Deltamethrin in Latex Paint as Applied to Porous Concrete Cinder Block by Clyde Webster, Webster Chemical Consultants.

Entomologist Comments:

1. These studies were done at the concentration 0.05% deltamethrin. The results do not support end-use concentrations below 0.05%, only equal to or greater than 0.05%. Application rate is 300 square feet per gallon of treated paint.

2. Mortality evaluations showed control of German and American cockroaches at the end of 24 hours. This result supports the kill claim. The forced aging studies showed 100% control for up to 24 months post-treatment on treated wood and concrete panels.

3. I do not understand the statements made in the study regarding the bridging of the nymphal cockroach control data to vector control in MRID 45710504.