



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

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

PC Code: 061501
DB Barcode: 333996

MEMORANDUM

September 28, 2007

SUBJECT: **Paradichlorobenzene:** Addendum to EFED's Memorandum in Support of the Reregistration Eligibility Decision

TO: Molly Clayton, Chemical Review Manager
Kevin Costello, Chemical Review Manager
RB3/SRRD (7508P)

FROM: Melissa Panger, Biologist
ERB4/EFED (7507P)

THRU: Betsy Behl, Chief
ERB4/EFED (7507P)

This is an addendum to '**Paradichlorobenzene:** EFED Memorandum in Support of the Reregistration Eligibility Decision' (attached below) that confirms only indoor uses of paradichlorobenzene remain for reregistration (DP Barcode: 333996).

Para-dichlorobenzene is used for control of wax moths in empty beehives (EPA Reg. No. 61617-2), but this is not an outdoor use. Label directions instruct users to apply it at a maximum rate of 0.19 lbs a.i. for hives in storage. Users are instructed to air out hives before reuse, because residual para-dichlorobenzene would harm bees in a hive. In addition, para-dichlorobenzene must not be present in populated hives, because the odor of para-dichlorobenzene could be absorbed by the honey, and para-dichlorobenzene has no food tolerances.

The USDA crop profile for honey bees in New Jersey indicates that para-dichlorobenzene should be used for wax moth control if hive components are to be stored inside. Wax moths can alternatively be controlled by outside storage in freezing temperatures. Para-dichlorobenzene is not used if that method of control is employed.



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MEMORANDUM

May 8, 2007

SUBJECT: **Paradichlorobenzene:** EFED Memorandum in Support of the Reregistration Eligibility Decision

TO: Molly Clayton, Chemical Review Manager
Kevin Costello, Chemical Review Manager
RB3/SRRD (7508P)

FROM: Greg Orrick, Environmental Scientist
ERB4/EFED (7507P)

THRU: Betsy Behl, Chief
ERB4/EFED (7507P)

This memo is to confirm that only indoor uses of paradichlorobenzene remain for reregistration and that the Environmental Fate and Effects Division (EFED) is not required to assess the ecological risk of indoor uses. The last remaining outdoor use of paradichlorobenzene (Ferti Lome Tree Borer Crystals; EPA Reg. No. 7401-123) is undergoing voluntary cancellation. Federal Register Notices of Receipt of Requests to Voluntarily Cancel Pesticide Registrations, dated 12/27/2006 and 2/28/2007, have been published, stating that the U.S. EPA intends to grant these requests at the close of the comment periods unless the Agency receives substantive comments within the comment periods that would merit its further review of the request or unless the registrant withdraws their request within these periods (*i.e.* by January 26, 2007 or August 27, 2007). Pending withdrawal or rejection of the voluntary cancellation request and/or proposal of new outdoor uses, EFED will conduct the appropriate ecological risk assessments.

To date, no environmental fate data have been submitted for existing uses of paradichlorobenzene. To address risks to the environment posed by accidental releases, 40 CFR Part 158 identifies an abbreviated set of environmental fate data and ecological effects data for registration of indoor uses:

- Hydrolysis study; Guideline 161-1
- Avian oral LD₅₀ with bobwhite quail, Guideline 71-1
- Avian dietary LD₅₀ bobwhite, Guideline 71-2
- Freshwater fish LD₅₀ rainbow trout, Guideline 72-1
- Acute LD₅₀ freshwater invertebrate daphnia, Guideline 72-2

Therefore, these data are requested for reregistration of the indoor uses of paradichlorobenzene.