

6/18/90

18 June 1990

030702

MEMORANDUM

SUBJECT: List "A" In-Depth Reviews EFGWB Status

FROM: Robert W. Holst, Deputy Chief
Environmental Fate and Ground Water Branch

TO: Bill Evans
Environmental Fate and Effects Division

Naptalam

The following studies were screened and deemed unacceptable:

- Hydrolysis (161-1) 00143297 (Supplemental)
- Photolysis in water (161-2) 413854-01 (partially accept.)
- Photolysis in soil (161-3) 413854-02
- Aerobic soil metabolism (162-1) 00145416 (Supplemental)
- Terrestrial field dissipation (164-1)
40069101, 404889-01, 413854-03
- Confined rotational crop (165-1) 400691-02 (Supplemental)
(402745-01 is an addendum to 400691-02)

The following required study has not been received by the Agency:

- Anaerobic aquatic metabolism (162-3)
- Aerobic aquatic metabolism (162-4)
- Leaching & adsorption/desorption (163-1)
- Aquatic field dissipation (164-2)
- Bioaccumulation in fish (165-4)
- Bioaccumulation in non-target organisms (165-5)

Only one study submitted for terrestrial field dissipation has been deemed to be fully acceptable (413854-03)

Recommend a DCI for the six unacceptable studies and the six unsubmitted studies. They are all basic studies.

Fenthion

The following studies were screened or previously reviewed and deemed unacceptable:

- Hydrolysis (161-1) 00115920, 0056310
- Aqueous photolysis (161-2) 00116396, 00115921, 0056310
- Aerobic soil metabolism (162-1) 00114318
- Aerobic aquatic metabolism (162-4) 00044930
- Leaching & adsorption/desorption (163-1) 00115918 (partially acceptable), 259942, 40194201 (partially acceptable)
- Terrestrial field dissipation (164-1) 00116749
- Fish bioaccumulation (165-4) 00154965 (supplemental)



The following required studies have not been submitted:

- Aquatic field dissipation (164-2)
- Droplet size spectrum (201-1)
- Drift field evaluation (202-1)

The following studies passed the screen and have been submitted for final review:

- Aqueous photolysis (161-2) 40110401
- Anaerobic aquatic metabolism (162-3) 40825801
- Aerobic aquatic metabolism (162-4) 40825802

Recommend a DCI for the seven unacceptable studies and the three unsubmitted studies. A non-target organism bioaccumulation (165-5) study may also be required upon submission and review of an acceptable fish bioaccumulation study (165-4).

Aldicarb

The following studies were screened or previously reviewed and deemed unacceptable:

- Photodegradation in water (161-2) 102067 may be supplemental
- Terrestrial field dissipation (164-1) 161709, 161708, 161707, 161703, 161733, 142092, 148963, 161704, 171706, 161705, 148965 are all supplemental.

EFGWB recommends that EPA place aldicarb into special review in order to determine the nature of the route of exposure to non-target organisms and humans and if any additional environmental fate studies are necessary for this purpose.

ECB

NAPTALAM

Shaughnessy - 030702, 030703
Registration Standard issued - 3/85
SRRD Review Manager: Connie Childress

DISCIPLINES REQUIRING INDEPTH REVIEW:

- o TOX
- o DEB (Product and Residue Chemistry)
- o EFGWB

STATUS:

An indepth review is required to determine the extent and adequacy of the data submitted. Long term soil dissipation and rotational crop data requirements were reserved depending upon the results of confined rotational crops and soil dissipation. EFGWB needs to look at these studies to determine if long term soil dissipation and rotational crop data requirements are triggered.

HED

TOX

Data were submitted in response to the Registration Standard only for mutagenicity, metabolism, and teratogenicity (rabbit) data requirements. Those studies are submitted in this package for review. The Review Manager needs to clarify whether studies were submitted for the following guidelines: 81-2, 81-3, 83-2a, and 83-4. (Nothing is in PDMS)

NDEB

Nothing required as noted in footnote #16 page 28 of Standard.

DEB

Product Chemistry & Residue Chemistry

Indepth review required because a quick scan of the data that have been submitted indicates that they may be far from adequate to satisfy requirements.

EFED

EFGWB

Indepth review required of terrestrial field dissipation data submitted (40069101 and 40488901) and confined rotational crop data (40069102 and 40274501) because the results of these studies may trigger additional testing such as ground water testing. Apparently some of the Naptalam data base has been reviewed by the California Department of Food and Agriculture and were found unacceptable. Three new studies were submitted to CDFA and copies were forwarded to EPA (41385401, 41385402, 41385403). Those studies are submitted in this package.

The following additional studies were submitted for a data call-in:

161-1 00143297;

162-1 00145416; and

162-3 00145417.

Please confirm whether they were ever reviewed, if so were they found acceptable. They were not included in the List A inventory as having been reviewed or even received.

EEB

No additional data requirements imposed in the Standard.
Please identify any new data requirements for Naptalam.

DATA SENT FOR REVIEW FOR NAPTALAM:

MRID	GUIDELINE	OLTS RECORD #
41057501	83-1b	(data to be submitted at later date)
00157186	83-3b	
40069105	84-2a	
40069103	84-2b	
40069104	84-2b	
40149801	84-4	
40274502	85-1	
00143297	161-1	(data to be submitted at a later date)
41385401	161-2	
41385402	161-3	
00145416	162-1	(data to be submitted at a later date)
00145417	162-3	(data to be submitted at a later date)
41385403	164-1	
40069101	164-1	
40488901	164-1	
40069102	165-1	
40274501	165-1	

product chemistry

00157183	
40003301	
00154116	(to be submitted at a later date)
41385501	(additional information to 00157183)

residue chemistry

40274503	171-4a
00157184	171-4a
40274505	171-4k
40274504	171-4e