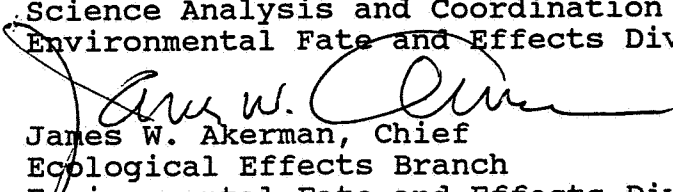


MAY 30 1990

MEMORANDUM

SUBJECT: EEB Response to List A DCI for CARBARYL

TO: Amy S. Rispin, Chief
Science Analysis and Coordination Staff
Environmental Fate and Effects Division

FROM:  James W. Akerman, Chief
Ecological Effects Branch
Environmental Fate and Effects Division

We have completed our review of the DCI for the List A pesticide CARBARYL. You will find our comments in the margins of the attached document submitted to us for review.

If you have any questions concerning this review, please contact the reviewer, Candy Brassard, or her Section Head, Ann Stavola.

ATTACHMENT

Copy of 501-
5/29/95 Candy
Barnard

4 put
MRID NO.
DATE
NO. DATE
REVIEWED

04
Page 11

LIST A PROJECT
INVENTORY SUMMARY SHEET

SHAUGHNESSY # :056801 CHEM. CASE NAME :Carbaryl
CASE # :0080 CASE NAME :Carbaryl
DATE REGISTRATION STANDARD ISSUED : / / DATE SECD ROUND REVIEW : / /

SUMMARY OF DATA REQUIREMENTS AND STUDIES

Discipline	Data Req.	Studies Rec'd	Studies Rev'd	Studies Not Rev'd	Data Outstd	New Req.
Prod. Chem.	14	0	0	0	14	0
Eco. Eff.	10	0	0	0	10	0
Tox.	4	0	0	0	4	0
Eco. Eff. P.P.	1	0	0	0	1	0
NDEB	0	0	0	0	0	0
Env. Fate	14	0	0	0	14	0
Res. Chem.	7	0	0	0	7	0
Spl. Stud.	2	0	0	0	2	0
TOTALS (*)	52	0	0	0	52	0

* -- A single study may be submitted to support more than one data requirement(guideline), and totals include each occurrence of the study submitted.

LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : PRODUCT CHEMISTRY

Data Required :

GR #	Study Name	RS Req.
61-2A	Begin. mat. & mnfg. proc	Yes
61-2B	Discussion of Impurities	Yes
62-1	Preliminary Analysis	Yes
63-2	Color	Yes
63-3	Physical State	Yes
63-4	Odor	Yes
63-5	Melting Point	Yes
63-7	Density	Yes
63-8	Solubility	Yes
63-9	Vapor Pressure	Yes
63-10	Dissociation Constant	Yes
63-11	Oct/Water partition Coef.	Yes
63-12	pH	Yes
63-13	Stability	Yes

New Requirements :

GR #	Study Name	Now Req.
None	None	None

DATE : 04/25

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : PRODUCT CHEMISTRY
(continued)

Studies to be reviewed :

<u>GR #</u>	<u>Study Name</u>	<u>MRID</u>	<u>Date Rcvd</u>
None	None	None	None

Studies Reviewed :

<u>GR #</u>	<u>Study Name</u>	<u>MRID</u>	<u>Date Rcvd</u>	<u>Rvwd.</u>	<u>Acpt</u>
None	None	None	None	None	None

LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : ECOLOGICAL EFFECTS

Data Required :

GR #	Study Name	RS Req.
71-5B	Actual field study	Yes
72-1B	Fish toxicity bluegill - TEP	Yes
72-1D	Fish toxicity rainbow trout ^{TEP} _✓	Yes
72-2B	Invertebrate toxicity - TEP	Yes
72-3A	Estu/mari tox. fish	Yes
72-3C	Estu/mari tox. shrimp	Yes
72-3D	Estu/mari tox. fish - TEP	Yes
72-3E	Estu/mari tox. mollusk - TEP	Yes
72-3F	Estu/mari tox. shrimp - TEP	Yes
72-7B	Actual field-aquatic orgs.	Yes

New Requirements :

GR #	Study Name	Now Req.
None	None	None

Studies to be reviewed :

GR #	Study Name	MRID	Date Rcvd
None	None	None	None

DATE : 04/25/9

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : ECOLOGICAL EFFECTS
(continued)

Studies Reviewed :

<u>GR #</u>	<u>Study Name</u>	<u>MRID</u>	<u>Date Rcvd</u>	<u>Rvwd.</u>	<u>Acpt</u>
None	None	None	None	None	None

DATE : 04/25/

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : TOXICOLOGY

Data Required :

GR #	Study Name	RS Req.
83-1B	Chronic tox - non-rodent	Yes
83-2A	Oncogenicity - rat	Yes
83-2B	Oncogenicity-mouse	Yes
85-1	General metabolism	Yes

New Requirements :

GR #	Study Name	Now Req.
None	None	None

Studies to be reviewed :

GR #	Study Name	MRID	Date Rcvd
None	None	None	None

Studies Reviewed :

GR #	Study Name	MRID	Date Rcvd	Rvwd.	Acpt.
None	None	None	None	None	None

DATE : 04/25/91

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : ECOLOGICAL EFFECTS - PLANT PROTECTION

Data Required :

GR #	Study Name	RS Req.
122-2	Aquatic plant growth	Yes

New Requirements :

GR #	Study Name	Now Req.
None	None	None

Studies to be reviewed :

GR #	Study Name	MRID	Date Rcvd
None	None	None	None

Studies Reviewed :

GR #	Study Name	MRID	Date Rcvd	Rvwd.	Acpt.
None	None	None	None	None	None

LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : NDEB

Data Required :

<u>GR #</u>	<u>Study Name</u>	<u>RS Req.</u>
None	None	None

New Requirements :

<u>GR #</u>	<u>Study Name</u>	<u>Now Req.</u>
None	None	None

Studies to be reviewed :

<u>GR #</u>	<u>Study Name</u>	<u>MRID</u>	<u>Date Rcvd</u>
None	None	None	None

Studies Reviewed :

<u>GR #</u>	<u>Study Name</u>	<u>MRID</u>	<u>Date Rcvd</u>	<u>Rvwd.</u>	<u>Acpt</u>
None	None	None	None	None	None

LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : ENVIRONMENTAL FATE

Data Required :

GR #	Study Name	RS Req.
161-2	Photodegradation-water	Yes
161-3	Photodegradation-soil	Yes
162-1	Aerobic soil metabolism	Yes
162-2	Anaerobic soil metabolism	Yes
162-3	Anaerobic aquatic metab.	Yes
162-4	Aerobic aquatic metab.	Yes
163-1	Leach/adsorp/desorption	Yes
164-1	Terrestrial field dissipation	Yes
164-2	Aquatic field dissipation	Yes
164-3	Forest field dissipation	Yes
165-1	Confined rotational crop	Yes
165-3	Accumulation - irrig crop	Yes
201-1	Droplet size spectrum	Yes
202-1	Drift field evaluation	Yes

New Requirements :

GR #	Study Name	Now Req.
None	None	None

DATE : 04/25/90

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : RESIDUE CHEMISTRY

Data Required :

GR #	Study Name	RS Req.
171-4A	Nature of residue - plants	Yes
171-4B	Nature of residue - livestock	Yes
171-4C	Res. analyt. method - plant	Yes
171-4E	Storage stability	Yes
171-4J	Mag. meat/milk/poultry/egg	Yes
171-4K	Cropfield trials	Yes
	ALFALFA FEED	
	ALMONDS	
	APRICOTS	
	ASPARAGUS	
	AVOCADOS	
	BANANAS	
	BARLEY	
	BEANS (FORAGE & HAY)	
	BEENS	
	BEET GREENS	
	BEETS	
	BIRDS FOOT TREEFOIL (FEE	
	BLACKBERRIES	
	BOYSENBERRIES	
	BROCCOLI	
	BRUSSELS SPROUTS	
	CABBAGE	
	CARROTS	
	CAULIFLOWER	
	CELERY	
	CHERRIES	
	CHESTNUTS	
	CHINESE CABBAGE	
	CITRUS FRUITS	
	CLOVER/FEED	
	COARSE RADDISH	
	COLLARDS	

DATE : 04/25/9

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : RESIDUE CHEMISTRY
(continued)

Data Required :

<u>GR #</u>	<u>Study Name</u>	<u>RS Req.</u>
171-4K	Cropfield trials	Yes
	CORN	
	CORN (FORAGE & FODDER)	
	COTTONSEED	
	COWPEAS	
	COWPEAS (FORAGE & HAY)	
	CRANBERRIES	
	CUCUMBER	
	DANDILION	
	DEWBERRIES	
	EGGPLANT	
	ENDIVE	
	FILBERTS	
	FLAXSEED	
	GRAPES	
	GRASS FORAGE & HAY	
	KALE	
	KOHLRABI	
	LETTUCE	
	LOGANBERRIES	
	MAPPLESAP	
	MELONS	
	MILLET	
	MILLET (FORAGE)	
	MUSTARD GREENS	
	OATS	
	OATS (FORAGE & HAY)	
	OKRA	
	OLIVES	
	ONIONS	
	PARSLY	
	PARSNIPS	
	PEA LENTIL VINES (FORAGE	
	PEACHES/NECTARINES	
	PEANUTS	
	PEAS-LENTILS	
	PECANS	
	PEPPERS	

LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINEDISCIPLINE : RESIDUE CHEMISTRY
(continued)

Data Required :

GR #	Study Name	RS Req.
171-4K	Cropfield trials PISTACHIO NUTS PLUMS/PRUNES POME FRUITS POTATOS PRICKLY PEAR CACTUS PUMPKINS RADISH RASPBERRIES RHUBARB RICE RICE STRAW RUTABAGAS RYE RYE (FORAGE & HAY) SALSIFY SALSIFY LEAF SORGHUM SORGHUM (FORAGE & FODDER) SOYBEAN FORAGE SOYBEANS SPINACH SQUASH STRAWBERRIES SUGAR BEET TOPS SUGAR BEETS SUNFLOWER SWEET POTATOES SWISS CHARD TOBACCO TOMATOS TURNIP TOPS TURNIPS WALNUTS WHEAT WHEAT (FORAGE & HAY)	Yes

171-4L Processed food

Yes

DATE : 04/25/75

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056801
BY DISCIPLINE

DISCIPLINE : RESIDUE CHEMISTRY
(continued)

Data Required :

GR #	Study Name	RS Req.
171-4L	Processed food	Yes
	CITRUS FRUITS	
	PROCESSED	
	CORN	
	PROCESSED	
	COTTONSEED	
	PROCESSED	
	FLAXSEED	
	PROCESSED	
	GRAPES	
	PROCESSED	
	MAPPLESAP	
	PROCESSED	
	OLIVES	
	PROCESSED	
	PEANUTS	
	PROCESSED	
	PLUMS/PRUNES	
	PROCESSED	
	POME FRUITS	
	PROCESSED	
	POTATOS	
	PROCESSED	
	RICE	
	PROCESSED	
	SORGHUM	
	PROCESSED	
	SORGHUM (FORAGE & FODDER	
	PROCESSED	
	SOYBEANS	
	PROCESSED	
	SUGAR BEETS	
	PROCESSED	
	SUNFLOWER	
	PROCESSED	
	TOMATOS	
	PROCESSED	
	WHEAT	

DATE : 01/15/82

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY - 056801
BY DISCIPLINEDISCIPLINE : RESIDUE CHEMISTRY
(continued)

Data Required :

GR #	Study Name	RS Req.
171-4L	Processed food WHEAT PROCESSED	Yes

New Requirements :

GR #	Study Name	Now Req.
None	None	None

Studies to be reviewed :

GR #	Study Name	MRID	Date Rcvd
None	None	None	None

Studies Reviewed :

GR #	Study Name	MRID	Date Rcvd	Rvwd.	Acpt
None	None	None	None	None	None

DATE : 04/25/90

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LIST A PROJECT

DETAILED REPORT OF DATA AND STUDY REQUIREMENTS FOR SHAUGHNESSY = 056861
BY DISCIPLINE

DISCIPLINE : SPECIAL STUDIES

Data Required :

GR #	Study Name	RS Req.
171.4	SSOYSTER STUDY	Yes
83-3	SS DOG TERATOLOGY	Yes

New Requirements :

GR #	Study Name	Now Req.
None	None	None

Studies to be reviewed :

GR #	Study Name	MRID	Date Rcvd
None	None	None	None

Studies Reviewed :

GR #	Study Name	MRID	Date Rcvd	Rvwd.	Acpt.
None	None	None	None	None	None

CHEMICAL MANAGEMENT SHEET
SHAUGHNESSY = 056801
as of 04/25/90

No entries made for this chemical.