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ECOLOGICAL EFFECTS BRANCH
DATA REQUIREMENTS FOR PESTICIDE REGISTRATION

Reviewers Name: Curtis E. LairdTelephone No.: 557-1636DATE: 1-16-91Required studies for (chemical name): VinclozolinChemical No.: 113201Case No.: 22740

James W. 1/25/91

DATA REQUIREMENTS (not reserved)	DATA REQUIREMENT FULFILLED (Y/N)	MRIDS/DATES OF STUDIES REVIEWED
71-1(a) Acute Avian Oral, Quail/Duck	Y	92194-002
71-1(b) Acute Avian Oral, Quail/Duck (TEP)		
71-2(a) Acute Avian Diet/Quail	N	92194-003 *
71-2(b) Acute Avian Diet/Duck	Y	92194-003
71-3 Wild Mammal Toxicity		
71-4(a) Avian Reproduction/Quail	N	92194-004
71-4(b) Avian Reproduction/Duck	N	92194-005
71-4(c) " " " "		
71-5(a) Simulated Terrestrial Field Study	N (male fertility)	92194-043 **
71-5(b) Actual Terrestrial Field Study		
✓ 72-1(a) Acute Fish Toxicity/Bluegill	Y	92194-006
72-1(b) Acute Fish Toxicity/Bluegill (TEP)		
✓ 72-1(c) Acute Fish Toxicity/Rainbow Trout	X N CEL.	92194-007
72-1(d) Acute Fish Toxicity/Rainbow Trout (TEP)		
✓ 72-2(a) Acute Aquatic Invertebrate Toxicity	Y	92194-008
72-2(b) Acute Aquatic Invertebrate		

* A ^{one} Page ~~DEF~~ review (This study should be resubmitted for review)
** This study provided supplemental information

Toxicity (TEP)

- 72-3(a) Acute Estu/Mari Tox Fish
- 72-3(b) Acute Estu/Mari Tox Mollusk
- 72-3(c) Acute Estu/Mari Tox Shrimp
- 72-3(d) Acute Estu/Mari Tox Fish
(TEP)
- 72-3(e) Acute Estu/Mari Tox Mollusk
(TEP)
- 72-3(f) Acute Estu/Mari Tox Shrimp
(TEP)
- 72-4(a) Early Life-Stage Fish
- 72-4(b) Life-Cycle Aquatic Invertebrate
- 72-5 Life-Cycle Fish
- 72-6 Aquatic Org. Accumulation
- 72-7(a) Simulated Aquatic Field Study
- 72-7(b) Actual Aquatic Field Study
- 122-1(a) Seed Germ./Seedling Emerg.
- 122-1(b) Vegetative Vigor
- 122-2 Aquatic Plant Growth N
- 123-1(a) Seed Germ./Seedling Emerg.
- 123-1(b) Vegetative Vigor
- 123-2 Aquatic Plant Growth
- 124-1 Terrestrial Field
- 124-2 Aquatic Field
- 141-1 Honey Bee Acute Contact Y
- 141-2 Honey Bee Residue on Foliage
- 141-5 Field Test for Pollinators

92194-023

ENVIRONMENTAL FATE AND EFFECTS DIVISION
ECOLOGICAL EFFECTS BRANCH

List B Phase 4 - Response on Existing Studies Reviewed

Chemical a.i. Name: Vinco/azolin Case No.: 2740
Chemical No.: 113201

Reviewers Name: Curtis E. Laird
Phone No.: 557-1636
Date: 1-16-91

Use Pattern(s): Fungicide

Guideline No.: _____
Title: _____

MRIDs and Dates of Studies Reviewed:

<u>92194-002</u>	<u>5-16-78</u>			
<u>92194-003 (Bobwhite)</u>	<u>5-15-78</u>	<u>92194-006</u>	<u>11-9-89</u>	<u>92194-043 3-2-90</u>
<u>92194-003 (Mallard)</u>	<u>5-15-78</u>	<u>92194-007</u>	<u>2-13-90</u>	
<u>92194-004</u>	<u>10-2-80</u>	<u>92194-008</u>	<u>4-28-78</u>	
<u>92194-005</u>	<u>10-2-80</u>	<u>92194-023</u>	<u>5-9-89</u>	<u>92194-007 11-9-89 C</u>

MRIDs and Dates of Fully Acceptable Studies:

<u>92194-002</u>	<u>5-16-78</u>	<u>92194-006</u>	<u>11-9-89</u>
<u>92194-003</u>	<u>5-15-78 (quail)</u>	<u>92194-007</u>	<u>2-13-90</u>
<u>92194-003</u>	<u>5-15-78 (Mallard)</u>	<u>92194-008</u>	<u>4-28-78</u>
<u>92194-023</u>	<u>5-9-89</u>	<u>92194-023</u>	<u>5-9-89</u>

Comments:

- 1) comments on study deficiencies by MRID number, including potential for upgrading and studies that together satisfy a data requirement; See Attached sheet for comments
- 2) special instructions to the registrant concerning his conduct of a required study;
- 3) comments on the need to review a new study immediately because it is a tiered study (for EEB, all studies will need to be reviewed immediately; there are no holds for EEB studies);
- 4) responses to requests for time extensions, waivers, and other questions.

1. Avian Reproduction for male Mallard was considered as supplemental because EEB's concerns were not addressed (NO 92194-043). As the available data indicate that vinclozolin is practically nontoxic to birds, this study does not have to be reviewed again. TLP 11/4/92
2. The bobwhite quail L50 study was reviewed by EEB as core in a previous EEB one page review. The way it was reviewed does not meet the present ~~format~~ requirements. It is a possibility that this ^{study} is still core (92194-003). This study needs to be reviewed again by EEB. Registrant should not be required to repeat the study. Study is under review. Jwa 1/25/91
3. Both of the avian reproduction studies (bobwhite quail and mallard duck) were found to be supplemental due to the % egg shell cracked, etc. (92194-004, and 92194-005, respectively).

JW Kew
1/25/91



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

VINCLOZOLIN

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

Date: 11/6/90

MEMORANDUM

SUBJECT: LUIS Reports
for 3-(3,5-Dichlorophenyl)-5-ethyl-5-methyl-2,4-oxazolidinedione
Pesticide Chemical Code: 113201 (9CA)
Case Number: 2740

TO: Addressees: (See below)

FROM: Phyllis Johnson, BAB
Biological and Economic Analysis Division (H7503C)

Attached is a packages of LUIS for chemical Vinclozolin. Coordinators for the science branches will receive a package for their own files and a package clearly labeled for distribution to each science branch. A table of contents for the packages appears in matrix form on the next page. We will not include reports where LUIS contains no information for a particular chemical, there will be no Toxicology Diluent Report).

The reports have been developed by representatives from your disciplines to support science reviews for Phase IV Review. If you have any questions concerning the data or if you have any suggestions concerning more useful ways to present the data, please direct them to either Gabe Patrick (308-8124) or Steve Jarboe, (308-8114), Biological Analysis Branch, Biological and Economic Analysis Division.

ADDRESSES:

Jay Ellenberger, Chief, SRRD, (H7508C)

Esther Saito, SACS Coordinator, HED, (H7509C)

William Evans, SACS Coordinator, EFED, (H7507C)

cc: Memorandum only

Angela Nugent, SRRD, (H7508C)
Mark Carpenter, SB/PMSD, (H7502C)
William Phillips, BAB/BEAD, (H7503C)
Ingrid Sunzenauer, SACS/EFED, (H7507C)
Edwin R. Budd, SACS/HED, (H7509C)

<u>Name of Report</u>	<u>Science Discipline</u>	<u>Coordinator Saito Evans</u>	<u>Administrative Record (Ellenberger)</u>
I. General Chemical Report			
A. Formulation(s), Product Type(s), and Restricted Chemical Information	x	x	x
B. Type of Pesticide	x	x	x
C. Use Groups	x	x	x
D. Sites and Use Groups	x	x	x
E. Pests	x	x	x
F. Use Limitations and Restricted Entry Intervals	x	x	x
G. Geographical Limitations at the Product Level	x	x	x
H. Geographical Limitations at the Site and/or Application Method Level	x	x	x
I. Issues	x	x	x
II. DEB report	x	x	x
III. TOX Chemical Reports			
A. Application Equipment for Food/Feed Uses	x	x	x

<u>Name of Report Con't</u>	<u>Science Discipline</u>	<u>Coordinator Saito Evans</u>	<u>Administrative Record (Ellenberger)</u>
B. Diluent Information for Food/Feed Uses	x	x	x
C. Use Patterns for Non-food/Non-feed Uses	x	x	x
IV. NDEB Report	x	x	x
V. EEB Sites Report	x	x	x
VI. EEGWB Chemical Reports			
A. Terrestrial Uses	x	x	x
B. Aquatic Uses	x	x	x
C. Forestry Uses	x	x	x

ALPHABETIC ACTIVE CHEMICAL CODE LIST

ASCII FILE (JULY 89) FROM HUY TRAN, SHIRLEY HAMMEL (PMSD)
PROGRAMMED BY YUEN-SHAUNG NG (BAB/BEAD)

TYPES: NONE OR BLANK = PREFERRED NAME FOR INGREDIENT STATEMENTS,
+=OFFICIAL, #=ANSI, C=COMMON, S=SYNONYM,
T=TRADE OR OTHER, *=NO ACTIVE PRODUCT

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CHEMICAL		
TYPE	CODE	CHEMICAL NAME
	113201	3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione (9CA)
S	113201	CAS Reg. No. 50471-44-8
T	113201	BAS 352 F
T	113201	Ronilan
T	113201	Vinclozolin
T	113201	Vinclozin
T	113201	BAS 35204 F

LUISGeneral Chemical ReportFormulation(s), Product Type(s), Restricted Chemical Information

<u>Form</u>	<u>Description</u>	<u>Product</u>	<u>AI Percent</u>	<u>Single AI</u>	<u>Density</u>	<u>End Use</u>	<u>Homeowner Use</u>	<u>Restricted Use</u>	
								<u>Pesticide</u>	<u>Restricted Reason</u>
01	TECHNICAL CHEMICAL	007969-00057	96.0000	YES		NO	NO	NO	
02	FORMULATION INTERMEDIATE	058185-00021	50.0000	YES		NO	YES	NO	
06	WETTABLE POWDER	007969-00053	50.0000	YES		YES	YES	NO	
		058185-00017	50.0000	YES		YES	YES	NO	
14	FLOWABLE CONCENTRATE	007969-00062	41.3000	YES	4.17	YES	YES	NO	

113201 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedio

Date: 11/05/90

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LUIS

General Chemical Report

Type(s) of Pesticide

Description

FUNGICIDE

LUIS
General Chemical Report
Use Groups

<u>Use Group</u>	<u>Description</u>
A1	TERRESTRIAL FOOD CROP

LUISGeneral Chemical ReportSite and Use GroupsFood / Feed UsesSiteUse Group

AERIAL APPLICATION

TERRESTRIAL FOOD CROP

APRICOT

TERRESTRIAL FOOD CROP

CHERRY

TERRESTRIAL FOOD CROP

LETTUCE

TERRESTRIAL FOOD CROP

NECTARINE

TERRESTRIAL FOOD CROP

ONION

TERRESTRIAL FOOD CROP

PEACH

TERRESTRIAL FOOD CROP

PLUM

TERRESTRIAL FOOD CROP

PRUNE

TERRESTRIAL FOOD CROP

RASPBERRY (BLACK, RED)

TERRESTRIAL FOOD CROP

STRAWBERRY

TERRESTRIAL FOOD CROP

LUIS

General Chemical Report

Pests

Pest Name (Common)

Pest Name (Scientific)

BOTRYTIS ROT

LUIS
General Chemical Report
Use Limitations and Restricted Entry Intervals
By Product, Site, and Application Method

<u>Product</u>	<u>Limitation Reason</u>	<u>Use Group</u>	<u>Site</u>	<u>Application Type</u>	<u>Application Timing</u>	<u>Application Equipment</u>	<u>Rest'd Entry (days)</u>
007969-00053	Use cone or flat fan nozzles. Flood type nozzles should not be used.	TERRESTRIAL FOOD CROP	APRICOT	Spray.	Bloom.	Aircraft.	0.00
007969-00053	Direct seeded lettuce.	TERRESTRIAL FOOD CROP	APRICOT	Spray.	Bloom.	Aircraft.	0.00
007969-00053	Direct seeded lettuce.	TERRESTRIAL FOOD CROP	APRICOT	Spray.	Bloom.	Aircraft.	0.00
007969-00053	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	APRICOT				
007969-00053	28 day(s) preharvest interval.	TERRESTRIAL FOOD CROP	LETTUCE				
007969-00053	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	NECTARINE				
007969-00053	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	PLUM				
007969-00053	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	PRUNE				
007969-00053	In CA, do not apply more than a total of 8 pints of product per acre in no more than 4 applications.	TERRESTRIAL FOOD CROP	STRAWBERRY				
007969-00062	Petal fall application only.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent	Bloom.	Aircraft.	0.00

LUIS

General Chemical Report

Use Limitations and Restricted Entry Intervals
By Product, Site, and Application Method

<u>Product</u>	<u>Limitation Reason</u>	<u>Use Group</u>	<u>Site</u>	<u>Application Type</u>	<u>Application Timing</u>	<u>Application Equipment</u>	<u>Rest'd Entry (days)</u>
007969-00062	Petal fall application only.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	Direct seeded lettuce.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	Petal fall application only.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	Petal fall application only.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	Petal fall application only.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	Use cone or flat fan nozzles. Flood type nozzles should not be used.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	Petal fall application only.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	Direct seeded lettuce.	TERRESTRIAL FOOD CROP	PEACH	Low volume spray (concent)	Bloom.	Aircraft.	0.00
007969-00062	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	CHERRY				
007969-00062	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	NECTARINE				
007969-00062	18_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	ONION				

113201 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedio

Date: 11/05/90
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LUIS

General Chemical Report

Use Limitations and Restricted Entry Intervals

By Product, Site, and Application Method

<u>Product</u>	<u>Limitation Reason</u>	<u>Use Group</u>	<u>Site</u>	<u>Application Type</u>	<u>Application Timing</u>	<u>Application Equipment</u>	<u>Rest'd Entry (days)</u>
007969-00062	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	PEACH				
007969-00062	3_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	PLUM				
007969-00062	9_ day(s) preharvest interval.	TERRESTRIAL FOOD CROP	RASPBERRY (BLACK, RED)				
CA83004001	7_ day(s) preharvest interval.						

113201 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedio

Date: 11/05/90

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LUIS

General Chemical Report

Geographic Limitations

<u>Product</u>	<u>Allowed</u>	<u>Disallowed</u>
	<u>Code</u> <u>Location</u>	<u>Code</u> <u>Location</u>
007969-00053		CA California
CA830044001	CA California	

113201 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolinedio

Date: 11/05/90
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LUIS
General Chemical Report
Issues

<u>Product</u>	<u>Issue</u> <u>Cat</u> <u>Description</u>	<u>Site</u>	<u>Use Group</u>	<u>Application Type</u>	<u>Application Timing</u>	<u>Application Equipment</u>
058185-00017	Z Incomplete label, application method screens not entered into database.					
	Z Incomplete label application screens not included.	ORNAMENTAL HERBACEOUS PLANTS	TERRESTRIAL NON-FOOD CROP			
CA830044001	F Chemical not found on label.					

NOTE: Issue Cat Codes are		A - Formulation	H - Maximum Number of Apps
	B - Pesticide Type	I - Label Error	
	C - Diluent	J - Site	
	D - Geographic	K - Application Method	
	E - Limitations	L - Dosage	
	F - Chemical/Active Ingredient	M - Soil Type	
	G - Pest	Z - Comments	