

12-8-89
113201

SRRD/GCSB TRANSMITTAL SHEET FOR PARTS B/C/D

To EFED on 10/24/89 Pkg #: B-005 Chemical/Case #: 113201 / 2740

Categories: _____ Use Patterns: 1,3

Chemical: Vinclozolin

Submitter: BASF

Chemical Review Manager: Rubis Phone #: 557-0458

Label(s) attached: Yes () / No ☒.

Branch: _____ Review Section: _____

Reviewer : _____

Signature : _____

Date : / / _____

Section Head: _____

Signature : _____

Date : / / _____

Branch Chief: _____

Signature : Harry Jacoby

Date : 12/27/89

GENERAL COMMENTS

ENVIRONMENTAL FATE & GROUND WATER BRANCH
Data Requirements for...

	D	W	C
160-5 Chemical Identity			
161-1 Hydrolysis			
161-2 Photodegradation in Water			
161-3 Photodegradation on Soil			
161-4 Photodegradation in Air	I	I	
162-1 Aerobic Soil Metabolism			
162-2 Anaerobic Soil Metabolism			
162-3 Anaerobic Aquatic Metabolism			
162-4 Aerobic Aquatic Metabolism			
163-1 Leaching and Adsorption/Desorption			
163-2 Laboratory Volatility	Y	R	
163-3 Field Volatility	Y	R	
164-1 Terrestrial Field Dissipation			
164-2 Aquatic Sediment Dissipation			
164-3 Forestry Dissipation			
164-5 Long-Term Field Dissipation	Y	R	
165-1 Confined Rotational Crop			
165-2 Field Rotational Crop			
165-3 Accumulation - Irrigated Crops			
165-4 Bioaccumulation in Fish			
165-5 Bioaccumulation - Aquatic Non-Target	Y	R	
166-1 Ground Water - Small Prospective			
166-2 Ground Water - Small Retrospective			
166-3 Ground Water - Large Retrospective			
201-1 Droplet Size Spectrum	I	R	
202-1 Drift Field Evaluation	I	R	



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1. Company Name BASF Corporation	2. Case Number 2740	3. Case Name Vinclozolin
4. Chemical Name (3,5 Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione		
5. Chemical Number 113201		

Use Groups																		
Guideline Reference Number	Title of Study	Invertebrate			aquatic			green house			for entry	re-dermal out-door	Indoor			7 This data Req't not applies to any chemical	8 Here I will comply with this data requirement	9 Time permitted for sub-mission to EPA (in Years)
		food		non-food	food	non-food	re-dermal	food	non-food	re-dermal			food	non-food	re-dermal			
		food crop	food crop	non-food crop	food crop	non-food crop	food crop	non-food crop	food crop	non-food crop			food crop	non-food crop	food crop			
122-1(a)	Seed germ/seedling emerg	R	R	R	R	R	R	R	R	R	CR							1
122-1(b)	Vegetative vigor	R	R	R	R	R	R	R	R	R	CR							1
122-2	Aquatic plant growth	R	R	R	R	R	R	R	R	R	CR							1
123-1(a)	Seed germ/seedling emerg	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							1
123-1(b)	Vegetative vigor	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							1
123-2	Aquatic plant growth	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							1
124-1	Terrestrial field	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							2
124-2	Aquatic field	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							2
132-1(a)	Foliar residue dissipation	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							2
132-1(b)	Soil residue dissipation	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							2
133-3	Dermal positive dermotoxicity asps	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							2
133-4	Inhal. positive dermotoxicity asps	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							2
141-1	Honey bee acute contact	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							1
141-2	Honey bee residue on foliage	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							1
141-5	Field test for pollination	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR							2
140-5	Chemical identity	R	R	R	R	R	R	R	R	R	R							1

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4. Chemical Name 3-(3,5 Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione	5. Chemical Number 113201	

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
122-1(a)	Seed germ/seedling emerg		
122-1(b)	Vegetative vigor		
122-2	Aquatic plant growth		
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		
132-1(a)	Foliar residue dissipation		
132-1(b)	Soil residue dissipation		
133-3	Dermal positive dermal toxicity expo		
133-4	Inhal. positive dermal toxicity expo		
141-1	Honey bee acute contact	40992801	
141-2	Honey bee residue on foliage		
141-5	Field test for pollination		
140-5	Chemical identity	Acc. No. 247678; 1C1497	

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1. Company Name BAF Corporation		2. Case Number 2740		3. Case Name Vinclozolin	
4. Chemical Name 9,5-Dichlorophenyl-5-ethenyl-2,4-oxazolidinedione		5. Chemical Number 113201			

Use Groups															8 How I will comply with this data requirement	9 Time permitted for submission to EPA (in Years)					
Guideline Reference Number	Title of Study	terrestrial			aquatic			green house		for- entry	rel- de- tal out- door	Indoor									
		food	non- food	feed	food	non- food	feed	non- food	feed			non- food	feed	non- food			feed				
		food crop	non- food crop	feed crop	out- door	in- door	rel- de- tal	feed crop	non- food crop	for- entry		YES	NO	1	2	3	4	5	6	7	8
		X	X																		
161-1	Hydrolysis	R	R	R	R	R	R	R	R	R	R	X	X			X	X	X	X		
161-2	Photodegradation-water	R	R	R	R	R	R			R											
161-3	Photodegradation-soil	R	R	R						R											
161-4	Photodegradation-air	CR	CR	CR				CR	CR	CR	CR										
162-1	Aerobic soil metabolism	R	R	R	CR			R	R	R	R	X	X								
162-2	Anaerobic soil metabolism	R	R	R																	
162-3	Anaerobic aquatic metab.	R	R	R	R	R	R			R											
162-4	Aerobic aquatic metab.				R	R	R			R											
163-1	Leach/adsorp/desorption	R	R	R	R	R	R	R	R	R	R	X	X								
163-2	Volatility - lab	CR	CR					CR	CR												
163-3	Volatility - field	CR	CR					CR	CR												
164-1	Terrestrial field dissipation	R	R	R	CR	CR	CR														
164-2	Aquatic field dissipation				R	R	R			R											
164-3	Forest field dissipation																				
164-5	Long term soil dissipation	CR	CR	CR	CR	CR	CR			CR	CR										
165-1	Confined rotational crop	R	R	R	R	R	R					X	X								

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4. Chemical Name 3-(3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione	5. Chemical Number 113201	

Catalytic Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
101-1	Hydrolysis	86331	
101-2	Photodegradation-water	136373; 53092	
101-3	Photodegradation-soil	136374; 53093	
101-4	Photodegradation-air		
102-1	Aerobic soil metabolism	88288; 136376; 136377	
102-2	Anaerobic soil metabolism	136377	
102-3	Anaerobic aquatic metab.		
102-4	Aerobic aquatic metab.		
103-1	Leach/absorp/adsorption	136383, 136380	
103-2	Volatility - lab		
103-3	Volatility - field		
104-1	Terrestrial field dissipation	136384, 136382	
104-2	Aquatic field dissipation		
104-3	Forest field dissipation		
104-5	Long term soil dissipation		
105-1	Confined rotational crop	136385, 94617	

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4. Chemical Name (3,5-Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione		5. Chemical Number 113201

Use Groups															7 This data Req't applies to any chemical	8 How I will comply with this data requirement	9 Time permitted for sub- mission to EPA (in Years)	
Goldstein Reference Number	Title of Study	Invertebrate			aquatic			green house		for- entry	indoor			YES				NO
		food	non- food	non- food	food	non- food	rel- de- tal	rel- de- tal	out- door	for- entry	for- entry	for- entry	non- food					
165-2	Field rotational crop	CR	CR	CR													3	
165-3	Accumulation - long crop					CR	CR										3	
165-4	Bioaccumulation in fish	CR	CR	CR	CR	CR	CR			CR							1	
165-5	Bioassay - aquatic non-target	CR	CR	CR	CR	CR	CR			CR							1	
166-1	Grd water-small prospect.	CR	CR	CR						CR							4	
166-2	Grd water-sm. retrospect.	CR	CR	CR						CR							4	
166-3	Grd water-by retrospect.	CR	CR	CR						CR							4	
201-1	Droplet size spectrum	CR	CR	CR	CR	CR				CR							1	
202-1	Drift field evaluation	CR	CR	CR	CR	CR				CR							2	
171-2	Chemical Identity	R	R	R	R	R	R	R	R	R	R	R	R	R			1	
171-3	Directions for use	R	R	R	R	R	R	R	R	R	R	R	R	R			1	
171-5	Reduction of residues	CR	CR					CR					CR				2	
171-4(a)	Nature of residue - plants	R	R					R					CR				2	
171-4(b)	Nature of residue - livestock	CR	R	CP				CR					CR				2	
171-4(c)	Res. analyt. method - plant	R	R				CR	R					CR				2	
171-4(d)	Res. analyt. method - animal	CR	R	CR	CR	CR	CR	CR					CR				2	

Revision A 8-7-89

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* PAM 1: Yes



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4. Chemical Name (3,5 Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione	5. Chemical Number 113201	

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
165-2	Field rotational crop	136386	
165-3	Accumulation - living crop		
165-4	Bioaccumulation in fish	136387, 164682, Acc No. 98256	
165-5	Bioaccum - aquatic non-target		
166-1	Grd water-small prospect		
166-2	Grd water-em. retrospect		
166-3	Grd water-by retrospect		
201-1	Droplet size spectrum		
202-1	Drift field evaluation		
171-2	Chemical identity	Acc. No. 247278, 101497	
171-3	Directions for use	PP9Faa05, 2F2650, 3F2934	
171-5	Reduction of residues		
171-4(a)	Nature of residues - plants	67055, 85099, 157427, 140835, 150895	
171-4(b)	Nature of residues - livestock	150895, 4041020, 41040203, 41040005	
171-4(c)	Res. analyt. method - plants	108958, Acc No. 518251, 128563, 41040007	
171-4(d)	Res. analyt. method - animal	40854403, 41064507	

Revision A 8-7-89

Reregistration Phase 2 Response

Case Number: 2740
Chemical Number: 113201
Case Name: Vinclozolin

Guidelines for Which Response Code "7" has been checked:

Guideline Reference
Number

Response

63-6	A boiling point determination is not required because the technical material is not a liquid at room temperature.
63-10	Not required because Vinclozolin is not an ionizable compound.
72-1(d)	At the request of the EPA, this study was repeated with the JEP; the study will be submitted.
82-1; 83-1; 83-2(a&b) 83-3(b); 83-4; 85-1	Studies supported by raw data have been carried out by BASF; however, BASF has already committed to perform new studies in these categories. See the attached letter dated November 7, 1988.
85-2	No study in this category has been completed but one is currently in progress. See attached letter dated November 7, 1988.
122-1; 122-2	The studies are not required because the active ingredient is a fungicide with low water solubility and with no identified phytotoxicity concerns.
133-3; 133-4	While this study is not required, BASF has informed the Agency that it will perform this study. See letter dated November 7, 1988.
162-3	According to CFR 40 Part 162-3, this study is not required for a product with no aquatic uses; vinclozolin has no aquatic uses.