US EPA ARCHIVE DOCUMENT

12-8-89

113201

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

To EFED on 10/2/89 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 (X).

Branch: _____ Review Section: _____

Reviewer : _____

Signature : _____

Date : __/__/__

Section Head: _____

Signature : _____

Date : __/__/__

Branch Chief: _____

Signature : Henry Jacoby

Date : 12/8/89

GENERAL COMMENTS

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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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U.S. ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460
Reregistration Phase 2 Response Worksheet

PART B

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

Guideline Reference Number	Title of Study	Use Groups: terrestrial food: food crop	terrestrial food: food crop	terrestrial non-food: non-food crop	aquatic food: food crop	aquatic non-food: food crop	aquatic non-food: outdoor	aquatic non-food: industrial	aquatic non-food: residential	greenhouse food: food crop	greenhouse non-food: non-food crop	forestry: forestry	residential outdoor	indoor food: food	indoor non-food: non-food	indoor: medical	indoor: residential	7 This data Req'mt applies to any chemical: YES	NO	8 How I will comply with this data requirement: 1	2	3	4	5	6	7	8	9 Time permitted for submission to EPA (in Years)
		X		X																								
122-1(a)	Seed germ/seedling emerg	R	R	R	R	R	R				R	CR							X						X			1
122-1(b)	Vegetative vigor	R	R	R	R	R	R				R	CR							X						X			1
122-2	Aquatic plant growth	R	R	R	R	R	R				R	CR							X						X			1
123-1(a)	Seed germ/seedling emerg	CR	CR	CR	CR	CR	CR				CR	CR							X									1
123-1(b)	Vegetative vigor	CR	CR	CR	CR	CR	CR				CR	CR							X									1
123-2	Aquatic plant growth	CR	CR	CR	CR	CR	CR				CR	CR							X									1
124-1	Terrestrial field	CR	CR	CR	CR	CR	CR				CR	CR							X									2
124-2	Aquatic field	CR	CR	CR	CR	CR	CR				CR	CR							X									2
132-1(a)	Foliar residue dissipation	CR	CR	CR	CR				CR	CR	CR	CR							X									2
132-1(b)	Soil residue dissipation	CR	CR	CR	CR				CR	CR	CR	CR							X									2
133-3	Dermal passive dosimetry expo	CR	CR	CR	CR				CR	CR	CR	CR	CR	CR	CR	CR			X						X			2
133-4	Inhal. passive dosimetry expo	CR	CR	CR	CR				CR	CR	CR	CR	CR	CR	CR	CR			X						X			2
141-1	Honey bee acute contact	CR	CR	CR	CR	CR					CR	CR						X		X								1
141-2	Honey bee residue on foliage	CR	CR	CR	CR	CR					CR	CR							X									1
141-5	Field test for pollinators	CR	CR	CR	CR	CR	CR	CR			CR	CR							X									2
160-5	Chemical identity	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		X		X								1

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Washington, D.C. 20460
Reregistration Phase 2 Response Worksheet

PART B

1. Company Name	2. Case Number	3. Case Name
BASF Corporation	2740	Vinclozolin

4. Chemical Name	5. Chemical Number
3-(3,5 Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione	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 passive dosimetry expo		
133-4	Inhal. passive dosimetry expo		
141-1	Honey bee acute contact	40992801	
141-2	Honey bee residue on foliage		
141-5	Field test for pollinators		
160-5	Chemical identity	Acc. No. 247278; 101497	

Revision A 8-7-89

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460
Reregistration Phase 2 Response Worksheet

PART B

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

Guideline Reference Number	Title of Study	Use Groups: terrestrial: food: food crop	terrestrial: food: feed crop	terrestrial: non-food: non-food crop	aquatic: food: food crop	aquatic: non-food: outdoor	aquatic: non-food: industrial	aquatic: non-food: residential	greenhouse: food: food crop	greenhouse: non-food: non-food crop	forestry: forestry	residential outdoor	indoor: food: food	indoor: non-food: non-food	indoor: medical	indoor: residential	7 This data Req'mt applies to my chemical: YES	NO	8 How I will comply with this data requirement: 1	2	3	4	5	6	7	8	9 Time permitted for submission to EPA (in Years)
161-1	Hydrolysis	R	R	R	R	R	R	R	R	R	R	R					X		X					X			1
161-2	Photodegradation-water	R	R	R	R	R	R	R			R						X		X					X			1
161-3	Photodegradation-soil	R	R	R							R						X		X					X			1
161-4	Photodegradation-air	CR	CR	CR					CR	CR	CR	CR						X									1
162-1	Aerobic soil metabolism	R	R	R	CR	CR			R	R	R	R					X		X								2
162-2	Anaerobic soil metabolism	R	R	R													X		X					X			2
162-3	Anaerobic aquatic metab.	R	R	R	R	R	R	R			R							X							X		2
162-4	Aerobic aquatic metab.				R	R	R	R			R							X									2
163-1	Leach/adsorp/desorption	R	R	R	R	R	R	R	R	R	R	R					X		X					X			1
163-2	Volatility - lab	CR	CR						CR	CR								X									1
163-3	Volatility - field	CR	CR						CR	CR								X									1
164-1	Terrestrial field dissipation	R	R	R	CR	CR	CR					R					X		X								2
164-2	Aquatic field dissipation				R	R	R	R										X									2
164-3	Forest field dissipation										R							X									2
164-5	Long term soil dissipation	CR	CR	CR	CR	CR	CR				CR	CR						X									4
165-1	Confined rotational crop	R	R	R	R												X		X								2

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1. Company Name	2. Case Number	3. Case Name
BASF Corporation	2740	Vinclozolin

4. Chemical Name	5. Chemical Number
3-(3,5 Dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione	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
161-1	Hydrolysis	86331	
161-2	Photodegradation-water	136373; 53092	
161-3	Photodegradation-soil	136374; 53093	
161-4	Photodegradation-air		
162-1	Aerobic soil metabolism	88288; 136376; 136377	
162-2	Anaerobic soil metabolism	136377	
162-3	Anaerobic aquatic metab.		
162-4	Aerobic aquatic metab.		
163-1	Leach/adsorp/desorption	136383, 136380	
163-2	Volatility - lab		
163-3	Volatility - field		
164-1	Terrestrial field dissipation	136384, 136382	
164-2	Aquatic field dissipation		
164-3	Forest field dissipation		
164-5	Long term soil dissipation		
165-1	Confined rotational crop	136385, 94617	

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PART B

1. Company Name	2. Case Number	3. Case Name
BASF Corporation	2740	Vinclozolin

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

Guideline Reference Number	Title of Study	Use Groups: terrestrial food food crop	terrestrial food food crop	terrestrial non-food non-food crop	aquatic food food crop	aquatic non-food outdoor	aquatic non-food industrial	aquatic non-food residential	greenhouse food food crop	greenhouse non-food non-food crop	forestry forestry	residential outdoor	indoor food food	indoor non-food non-food	indoor medical	indoor residential	7 This data Req'mt applies to my chemical YES	NO	8 How I will comply with this data requirement 1	2	3	4	5	6	7	8	9 Time permitted for submission to EPA (in Years)
		X		X																							
165-2	Field rotational crop	CR	CR	CR	CR												X		X								3
165-3	Accumulation - irrig crop				CR	CR	CR											X									3
165-4	Bioaccumulation in fish	CR	CR	CR	CR	CR	CR	CR			CR						X		X								1
165-5	Bioaccum -aquatic non-target	CR	CR	CR	CR	CR	CR	CR			CR							X									1
166-1	Grd water-small prospect.	CR	CR	CR							CR							X									4
166-2	Grd water-sm. retrospect.	CR	CR	CR							CR							X									4
166-3	Grd water-lrg retrospect.	CR	CR	CR							CR							X									4
201-1	Droplet size spectrum	CR	CR	CR	CR	CR					CR							X									1
202-1	Drift field evaluation	CR	CR	CR	CR	CR					CR							X									2
171-2	Chemical Identity	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	X		X								1
171-3	Directions for use	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	X		X								1
171-5	Reduction of residues	CR	CR		CR				CR				CR					X									2
171-4(a)	Nature of residue - plants	R	R		R				R			CR	CR				X		X								2
171-4(b)	Nature of residue - livestock	CR	R		CR				CR				CR				X		X								2
171-4(c)	Res. analyt. method - plant *	R	R		R	CR			R			CR	CR				X		X								2
171-4(d)	Res. analyt. method - animal	CR	R		CR	CR			CR				CR				X		X								2

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* PAN 1: Yes

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PART B

1. Company Name: BASF Corporation	2. Case Number: 2740	3. Case Name: Vinclozolin	
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
165-2	Field rotational crop	136386	
165-3	Accumulation - irrig 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-irg retrospect.		
201-1	Droplet size spectrum		
202-1	Drift field evaluation		
171-2	Chemical identity	Acc. No. 247278; 101497	
171-3	Directions for use	PP 9F2205, 2F2650, 3F2934	
171-5	Reduction of residues		
171-4(a)	Nature of residue - plants	67055, 85099, 157427, 140835, 150895	
171-4(b)	Nature of residue - livestock	150895, 40410201, 41040203, 41040005	
171-4(c)	Res. analyt. method - plant	108958, Acc No 98251, 129563, 41040007	
171-4(d)	Res. analyt. method - animal	40854403; 41064503	

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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 TEP; 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.