



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICIAL RECORD
HEALTH EFFECTS DIVISION
SCIENTIFIC DATA REVIEWS
EPA SERIES 361

JUN 27 1996

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Dietary Exposure Analysis for Propiconazole in/on Berry Crop Group, Carrots and Onions (PP# 5F04591).

FROM: Brian Steinwand *BS*
Dietary Risk Evaluation Section
Science Analysis Branch/HED (7509C)

Through: Elizabeth Doyle, Section Head *ED*
Dietary Risk Evaluation Section
SAB/Health Effects Division *WJZ*

TO: M. Metzger, Chief
RCAB (7509C)

Action Requested

Provide a dietary exposure analysis for the use of propiconazole in/on berries, carrots and onions (green and dry bulb). The petition requests but CBTS recommends against (due to data deficiencies) a tolerance of 1.0 ppm be established on berries, 8.0 ppm for green onions, 0.3 ppm for dry bulb onions, and 0.2 ppm for carrots (See memo, L. Kutney (6/14/96). However, CBTS recommends for the establishment of time limited tolerances at the above levels.

Discussion

For the purposes of this analysis, new tolerances on tree nuts were upgraded to published status.

Toxicological Endpoint:

The Reference Dose (RfD) used in the analysis is 0.013 mg/kg bwt/day, based on a NOEL of 1.25 mg/kg bwt/day from a one year dog feeding study with an uncertainty factor of 100 that demonstrated irritation in the stomach in males as an endpoint effect (See IRIS). The RfD has been approved by the HED RfD committee (7/15/87) and by the WHO (5/25/88). Propiconazole is classified as a Group C (possible human) carcinogen on 4/15/92, with quantification using the RfD (See IRIS).

Residue Information

Tolerances for propiconazole are published in 40 CFR § 180.434. Tolerance level residues and 100 percent crop treated assumptions were made for the proposed commodities. Anticipated residues and percent crop treated information were used where available for this analysis. There are no known animal feed stock uses for proposed commodities. Consequently, secondary residues in meat, milk, poultry and eggs are not expected to be a problem.

Results

A summary of the residue information considered in this analysis is attached as Table 1. A DRES chronic exposure analysis was performed using tolerance level residues and 100 percent crop treated information to estimate the Theoretical Maximum Residue Contribution (TMRC) for the general population and 22 subgroups. Anticipated residues and percent crop treated data were used to calculate the Anticipated Residue Concentration (ARC) for those same population subgroups for certain commodities. Summaries of the TMRCs, ARCs and their representations as percentages of the Reference Dose (RfD) are included as Table 2 and 3.

Chronic Exposure Analysis

Exposure from Existing Tolerances for propiconazole:

<u>Subgroup</u>	<u>Exposure (mg/kg/day)</u>	<u>%RfD</u>
U.S. Population	0.000638	4.9
Non-Nursing Infants (<1 yr old)	0.002095	16.1

Proposed new Tolerances on the proposed commodities:

U.S. Population	0.000108	.831
Non-Nursing Infants (<1 yr old)	0.000387	2.9

If the new tolerances on the proposed commodities are approved:

U.S. Population	0.000746	5.7
Non-Nursing Infants (<1 yr old)	0.002481	19.0

Conclusions

The chronic analysis for propiconazole is not a worst case estimate of dietary exposure with all residues at tolerance level and 100 percent of the commodities assumed to be treated with propiconazole. This analysis has been refined, using anticipated residues and percent crop treated for some commodities, to give a more accurate estimate of the dietary risk from propiconazole. Thus, the chronic dietary risk exposure to propiconazole appears to be minimal for this petition on berries at 1.0 ppm, green onions at 8.0 ppm, dry bulb onions at 0.3 ppm, and carrots at 0.2 ppm, and does not exceed the RfD for any of the DRES subgroups.

Attachments

cc: DRES; Caswell 323EE; PM-21 C. Welch; CBTS (L. Kutney)

TABLE 1

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 323EE

DATE: 06/26/96

PAGE: 1

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propiconazole (Banner/Tilt)		1yr feeding- dog		Irritation of the stomach		ADI UF -->100		Questions concerning dos- ing in the mouse study.		HED reviewed 05/05/87	
Caswell #323EE		NOEL=		in males.		OPP RfD= 0.013000				EPA verified 07/15/87	
CAS No. 60207-90-1		50.00 ppm		Evidence of carcinogenic- ity in mice (male liver);		EPA RfD= 0.013000				WHO reviewed 1987	
A.I. CODE: 122101		LEL=		negative in rats.				Triazole-alanine is plant metabolite		EPA verified 05/25/88	
CFR No. 180.434		250.00 ppm								On IRIS.	
ONCO: C (HED); D (SAP)											
FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
01002AA	BLACKBERRIES	10 RAW-FRESH OR NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01002AA	BLACKBERRIES	21 COOKED-NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01002AA	BLACKBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01003AA	BOYSENBERRIES	10 RAW-FRESH OR NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01004AA	DEBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	5F04591	N 1.000000	1.000000		100.00	1.000000			
01005AA	LOGANBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	5F04591	N 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	10 RAW-FRESH OR NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	15 RAW-FRESH OR CANNED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	31 COOKED-FRESH OR CANNED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01006AA	RASPBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01007AA	YOUNGBERRIES	70 RAW-FROZEN	5F04591	N 1.000000	1.000000		100.00	1.000000			
01007AA	YOUNGBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	5F04591	N 1.000000	1.000000		100.00	1.000000			
01009AA	BLUEBERRIES	10 RAW-FRESH OR NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01009AA	BLUEBERRIES	21 COOKED-NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01009AA	BLUEBERRIES	22 COOKED-FRESH-BAKED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01009AA	BLUEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01011AA	CURRANTS	10 RAW-FRESH OR NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01011AA	CURRANTS	21 COOKED-NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01011AA	CURRANTS	22 COOKED-FRESH-BAKED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01012AA	ELDERBERRIES	10 RAW-FRESH OR NFS	5F04591	N 1.000000	1.000000		100.00	1.000000			
01013AA	GOOSEBERRIES	62 COOKED-FRESH OR FROZEN-BAKED	5F04591	N 1.000000	1.000000		100.00	1.000000			
01015AA	HUCKLEBERRIES	00 NOT SPECIFIED (NO CONSUMPTION)	5F04591	N 1.000000	1.000000		100.00	1.000000			
03001AA	ALMONDS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03001AA	ALMONDS	21 COOKED-NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03001AA	ALMONDS	22 COOKED-FRESH-BAKED	9F3740	A 0.100000	0.100000		100.00	0.100000			
03002AA	BRAZIL NUTS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03002AA	BRAZIL NUTS	21 COOKED-NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03003AA	CASHEWS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03003AA	CASHEWS	21 COOKED-NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03004AA	CHESTNUTS	21 COOKED-NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03005AA	FILBERTS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03005AA	FILBERTS	21 COOKED-NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03005AA	FILBERTS	22 COOKED-FRESH-BAKED	9F3740	A 0.100000	0.100000		100.00	0.100000			
03006AA	HICKORY NUTS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03007AA	MACADAMIA NUTS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03008AA	PECANS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03008AA	PECANS	21 COOKED-NFS	9F3740	A 0.100000	0.100000		100.00	0.100000			
03008AA	PECANS	22 COOKED-FRESH-BAKED	9F3740	A 0.100000	0.100000		100.00	0.100000			
03008AA	PECANS	23 COOKED-FRESH-BOILED	9F3740	A 0.100000	0.100000		100.00	0.100000			
03008AA	PECANS	62 COOKED-FRESH OR FROZEN-BAKED	9F3740	A 0.100000	0.100000		100.00	0.100000			

ANTICIPATED RESIDUE INFORMATION FOR CASSELL NUMBER 323EE

DATE: 06/26/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propiconazole (Banner/Tilt)		1yr feeding- dog		Irritation of the stomach in males.		ADI UF -->100 OPP RD= 0.013000 EPA RD= 0.013000		Questions concerning dosing in the mouse study.		HED reviewed 05/05/87 EPA verified 07/15/87 WHO reviewed 1987 EPA verified 05/25/88	
Caswell #323EE		NOEL= 1.2500 mg/kg		Evidence of carcinogenicity in mice (male liver); negative in rats.				Triazole-alanine is plant metabolite		On IRIS.	
CAS No. 60207-90-1		50.00 ppm									
A.I. CODE: 122101		LEL= 6.2500 mg/kg									
CFR No. 180.434		250.00 ppm									
		ONCO: C (HED); D (SAP)									

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
03009AA	WALNUTS	10 RAW-FRESH OR NFS	9F3740	A 0.100000	0.100000		100.00	0.100000
03009AA	WALNUTS	21 COOKED-NFS	9F3740	A 0.100000	0.100000		100.00	0.100000
03009AA	WALNUTS	22 COOKED-FRESH-BAKED	9F3740	A 0.100000	0.100000		100.00	0.100000
03010AA	BUTTER NUTS	00 NOT SPECIFIED (NO CONSUMPTION)	9F3740	A 0.100000	0.100000		100.00	0.100000
03013AA	BEECHNUTS	00 NOT SPECIFIED (NO CONSUMPTION)	9F3740	A 0.100000	0.100000		100.00	0.100000
05001AA	APRICOTS-FRESH	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05001AA	APRICOTS-FRESH	21 COOKED-NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05001AA	APRICOTS-FRESH	31 COOKED-FRESH OR CANNED	9F3758	P 1.000000	1.000000		100.00	1.000000
05001DA	APRICOTS-DRIED	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05001DA	APRICOTS-DRIED	22 COOKED-FRESH-BAKED	9F3758	P 1.000000	1.000000		100.00	1.000000
05002AA	CHEERRIES-FRESH	10 RAW-FRESH OR NFS	4F4321	A 1.000000	1.000000		100.00	1.000000
05002AA	CHEERRIES-FRESH	21 COOKED-NFS	4F4321	A 1.000000	1.000000		100.00	1.000000
05002AA	CHEERRIES-FRESH	31 COOKED-FRESH OR CANNED	4F4321	A 1.000000	1.000000		100.00	1.000000
05002DA	CHEERRIES-FRESH	62 COOKED-FRESH OR FROZEN-BAKED	4F4321	A 1.000000	1.000000		100.00	1.000000
05002DA	CHEERRIES-FRESH	00 NOT SPECIFIED (NO CONSUMPTION)	4F4321	A 1.000000	1.000000		100.00	1.000000
05002JA	CHEERRIES-JUICE	15 RAW-FRESH OR CANNED	4F4321	A 1.000000	1.000000		100.00	1.000000
05002JA	CHEERRIES-JUICE	21 COOKED-NFS	4F4321	A 1.000000	1.000000		100.00	1.000000
05003AA	NECTARINES	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05004AA	PEACHES-FRESH	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05004AA	PEACHES-FRESH	21 COOKED-NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05004AA	PEACHES-FRESH	31 COOKED-FRESH OR CANNED	9F3758	P 1.000000	1.000000		100.00	1.000000
05004AA	PEACHES-FRESH	51 COOKED-FRESH OR CANNED	9F3758	P 1.000000	1.000000		100.00	1.000000
05004DA	PEACHES-DRIED	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05004DA	PEACHES-DRIED	21 COOKED-NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05005AA	PLUMS-FRESH	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05005AA	PLUMS-FRESH	31 COOKED-FRESH OR CANNED	9F3758	P 1.000000	1.000000		100.00	1.000000
05005DA	PLUMS-PRUNES	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05005DA	PLUMS-PRUNES	21 COOKED-NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05005DA	PLUMS-PRUNES	31 COOKED-FRESH OR CANNED	9F3758	P 1.000000	1.000000		100.00	1.000000
05005JA	PRUNE-JUICE	10 RAW-FRESH OR NFS	9F3758	P 1.000000	1.000000		100.00	1.000000
05005JA	PRUNE-JUICE	62 COOKED-FRESH OR FROZEN-BAKED	9F3758	P 1.000000	1.000000		100.00	1.000000
06002AA	BANANAS-UNSPEC	22 COOKED-FRESH-BAKED	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000
06002AB	BANANAS-FRESH	10 RAW-FRESH OR NFS	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000
06002AB	BANANAS-FRESH	21 COOKED-NFS	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000
06002AB	BANANAS-FRESH	31 COOKED-FRESH OR CANNED	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000
06002DA	BANANAS-DRIED	10 RAW-FRESH OR NFS	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000
06002DA	BANANAS-DRIED	21 COOKED-NFS	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000
06013AA	PINEAPPLE-PULP	10 RAW-FRESH OR NFS	8F3674	P 0.100000	0.100000		100.00	0.100000
06013AA	PINEAPPLE-PULP	21 COOKED-NFS	8F3674	P 0.100000	0.100000		100.00	0.100000
06013AA	PINEAPPLE-PULP	31 COOKED-FRESH OR CANNED	8F3674	P 0.100000	0.100000		100.00	0.100000

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 323EE

DATE: 06/26/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propiconazole (Banner/Tilt) Caswell #323EE CAS No. 60207-90-1 A.I. CODE: 122101 CFR No. 180.434		1yr feeding- dog MODEL= 1.2500 mg/kg 50.00 ppm LEL= 6.2500 mg/kg 250.00 ppm ONCO: C (HED); D (SAP)		Irritation of the stomach in males. Evidence of carcinogenic- ity in mice (male liver); negative in rats.		ADI UF -->100 OPP RfD= 0.013000 EPA RfD= 0.013000		questions concerning dos- ing in the mouse study. Triazole-alanine is plant metabolite		HED reviewed 05/05/87 EPA verified 07/15/87 WHO reviewed 1987 EPA verified 05/25/88 On IRIS.	
FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
06013DA	PINEAPPLE-DRIED	10 RAW-FRESH OR NFS	8F3674	P 0.100000	0.100000		100.00	0.100000			
06013JA	PINEAPPLE-JUICE	10 RAW-FRESH OR NFS	8F3674	P 0.100000	0.100000		100.00	0.100000			
06013JA	PINEAPPLE-JUICE	15 RAW-FRESH OR CANNED	8F3674	P 0.100000	0.100000		100.00	0.100000			
06013JA	PINEAPPLE-JUICE	21 COOKED-NFS	8F3674	P 0.100000	0.100000		100.00	0.100000			
06013JA	PINEAPPLE-JUICE	31 COOKED-FRESH OR CANNED	8F3674	P 0.100000	0.100000		100.00	0.100000			
06016AA	PLANTAINS	21 COOKED-NFS	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000			
06016AA	PLANTAINS	23 COOKED-FRESH-BOILED	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000			
06016AA	PLANTAINS	25 COOKED-FRESH-FRIED	4E3026	P 0.200000	0.050000	FIELD TRIAL	100.00	0.050000			
13002AA	CELERY	10 RAW-FRESH OR NFS	0F3869	P 5.000000	5.000000		100.00	5.000000			
13002AA	CELERY	21 COOKED-NFS	0F3869	P 5.000000	5.000000		100.00	5.000000			
13016AA	FENNEL	00 NOT SPECIFIED (NO CONSUMPTION)	5F04591	N 0.200000	0.200000		100.00	0.200000			
14003AA	CARROTS	10 RAW-FRESH OR NFS	5F04591	N 0.200000	0.200000		100.00	0.200000			
14003AA	CARROTS	21 COOKED-NFS	5F04591	N 0.200000	0.200000		100.00	0.200000			
14003AA	CARROTS	23 COOKED-FRESH-BOILED	5F04591	N 0.200000	0.200000		100.00	0.200000			
14003AA	CARROTS	31 COOKED-FRESH OR CANNED	5F04591	N 0.200000	0.200000		100.00	0.200000			
14003AA	CARROTS	51 COOKED-CANNED	5F04591	N 0.200000	0.200000		100.00	0.200000			
14007AA	GARLIC	10 RAW-FRESH OR NFS	5F04591	N 0.300000	0.300000		100.00	0.300000			
14007AA	GARLIC	21 COOKED-NFS	5F04591	N 0.300000	0.300000		100.00	0.300000			
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	5F04591	N 0.300000	0.300000		100.00	0.300000			
14010AA	LEEKS	31 COOKED-FRESH OR CANNED	5F04591	N 0.300000	0.300000		100.00	0.300000			
14011AA	ONIONS-DRY-BULB	10 RAW-FRESH OR NFS	5F04591	N 0.300000	0.300000		100.00	0.300000			
14011AA	ONIONS-DRY-BULB	21 COOKED-NFS	5F04591	N 0.300000	0.300000		100.00	0.300000			
14011AA	ONIONS-DRY-BULB	22 COOKED-FRESH-BAKED	5F04591	N 0.300000	0.300000		100.00	0.300000			
14011AA	ONIONS-DRY-BULB	31 COOKED-FRESH OR CANNED	5F04591	N 0.300000	0.300000		100.00	0.300000			
14011AA	ONIONS-DRY-BULB	12 RAW-FRESH-DRIED	5F04591	N 0.300000	0.300000		100.00	0.300000			
14017AA	SHALLOTS	00 NOT SPECIFIED (NO CONSUMPTION)	8F3674	P 0.100000	0.100000		6.00	0.060000			
15005AA	CORN, SWEET	10 RAW-FRESH OR NFS	8F3674	P 0.100000	0.100000		6.00	0.060000			
15005AA	CORN, SWEET	21 COOKED-NFS	8F3674	P 0.100000	0.100000		6.00	0.060000			
15005AA	CORN, SWEET	31 COOKED-FRESH OR CANNED	8F3674	P 0.100000	0.100000		6.00	0.060000			
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	8F3654	P 0.200000	0.200000	Exp. 12/31/98	1.00	0.002000			
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	8F3654	P 0.200000	0.200000	Exp. 12/31/98	1.00	0.002000			
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	8F3654	P 0.200000	0.200000	Exp. 12/31/98	1.00	0.002000			
16003AA	MUSHROOMS	10 RAW-FRESH OR NFS	5E04437	P 0.100000	0.100000		100.00	0.100000			
16003AA	MUSHROOMS	21 COOKED-NFS	5E04437	P 0.100000	0.100000		100.00	0.100000			
16003AA	MUSHROOMS	31 COOKED-FRESH OR CANNED	5E04437	P 0.100000	0.100000		100.00	0.100000			
16003AA	MUSHROOMS	53 COOKED-CANNED-BOILED	5F04591	N 8.000000	8.000000		100.00	8.000000			
16004AA	ONIONS-GREEN	10 RAW-FRESH OR NFS	5F04591	N 8.000000	8.000000		100.00	8.000000			
16004AA	ONIONS-GREEN	21 COOKED-NFS	5F04591	N 8.000000	8.000000		100.00	8.000000			
16004AA	ONIONS-GREEN	25 COOKED-FRESH-FRIED	5F04591	N 8.000000	8.000000		100.00	8.000000			
24001AA	BARLEY	21 COOKED-NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	2.00	0.001000			

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 323EE

DATE: 06/26/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
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FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
24002EA	CORN, GRAIN-ENDO	10 RAW-FRESH OR NFS	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002EA	CORN, GRAIN-ENDO	21 COOKED-NFS	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002EA	CORN, GRAIN-ENDO	22 COOKED-FRESH-BAKED	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002EA	CORN, GRAIN-ENDO	23 COOKED-FRESH-BOILED	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002HA	CORN, GRAIN-BRAN	00 NOT SPECIFIED (NO CONSUMPTION)	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002SA	CORN SUGAR	10 RAW-FRESH OR NFS	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002SA	CORN SUGAR	21 COOKED-NFS	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002SA	CORN SUGAR	22 COOKED-FRESH-BAKED	8F3674	P 0.100000	0.100000		100.00	0.100000			
24002SA	CORN SUGAR	23 COOKED-FRESH-BOILED	8F3674	P 0.100000	0.100000		100.00	0.100000			
24003AA	OATS	22 COOKED-NFS	2F4086	P 0.100000	0.100000		100.00	0.100000			
24003AA	OATS	23 COOKED-FRESH-BAKED	2F4086	P 0.100000	0.100000		100.00	0.100000			
24003AA	OATS	24 COOKED-FRESH-BOILED	2F4086	P 0.100000	0.100000		100.00	0.100000			
24003AA	OATS	25 COOKED-FRESH-BOILED	2F4086	P 0.100000	0.100000		100.00	0.100000			
24004AA	RICE-ROUGH	21 COOKED-NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	25.00	0.012500			
24004AA	RICE-ROUGH	23 COOKED-FRESH-BOILED	4F3074	P 0.100000	0.050000	FIELD TRIAL	25.00	0.012500			
24004AB	RICE-MILLED	21 COOKED-NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	25.00	0.012500			
24004AB	RICE-MILLED	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	25.00	0.012500			
24004AB	RICE-MILLED	23 COOKED-FRESH-BOILED	4F3074	P 0.100000	0.050000	FIELD TRIAL	25.00	0.012500			
24004AB	RICE-MILLED	31 COOKED-FRESH OR CANNED	4F3074	P 0.100000	0.050000	FIELD TRIAL	25.00	0.012500			
24005AA	RYE-ROUGH	00 NOT SPECIFIED (NO CONSUMPTION)	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24005AA	RYE-GERM	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24005AA	RYE-GERM	23 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24005AA	RYE-GERM	24 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24005AA	RYE-GERM	25 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007AA	WHEAT-ROUGH	10 RAW-FRESH OR NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007AA	WHEAT-ROUGH	21 COOKED-NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007AA	WHEAT-ROUGH	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007AA	WHEAT-ROUGH	23 COOKED-FRESH-BOILED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007GA	WHEAT-GERM	10 RAW-FRESH OR NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007GA	WHEAT-GERM	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007GA	WHEAT-GERM	23 COOKED-FRESH-BOILED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007HA	WHEAT-BRAN	10 RAW-FRESH OR NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007HA	WHEAT-BRAN	21 COOKED-NFS	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007HA	WHEAT-BRAN	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007HA	WHEAT-BRAN	23 COOKED-FRESH-BOILED	4F3074	P 0.100000	0.050000	FIELD TRIAL	1.00	0.000500			
24007MA	WHEAT-FLOUR	10 RAW-FRESH OR NFS	4F3074	P 0.100000	0.010000	PROCESSING	1.00	0.000100			
24007MA	WHEAT-FLOUR	21 COOKED-NFS	4F3074	P 0.100000	0.010000	PROCESSING	1.00	0.000100			
24007MA	WHEAT-FLOUR	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.010000	PROCESSING	1.00	0.000100			
24007MA	WHEAT-FLOUR	23 COOKED-FRESH-BOILED	4F3074	P 0.100000	0.010000	PROCESSING	1.00	0.000100			
270020A	CORN, GRAIN-OIL	18 PROCESSED OIL	8F3674	P 0.100000	0.100000		100.00	0.100000			
270070A	PEANUTS-OIL	18 PROCESSED OIL	8F3654	P 0.200000	0.200000	Exp. 12/31/98	1.00	0.002000			
280800A	PEPPERMINT	00 NOT SPECIFIED (NO CONSUMPTION)	2E04037	P 0.300000	0.300000		100.00	0.300000			
280800A	PEPPERMINT	00 NOT SPECIFIED (NO CONSUMPTION)	2E04037	P 0.300000	0.300000		100.00	0.300000			
28081AA	SPERMINT	00 NOT SPECIFIED (NO CONSUMPTION)	2E04037	P 0.300000	0.300000		100.00	0.300000			
280810A	SPERMINT-OIL	00 NOT SPECIFIED (NO CONSUMPTION)	2E04037	P 0.300000	0.300000		100.00	0.300000			

Exp. 12/31/98

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 323EE

DATE: 06/26/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propiconazole (Banner/Tilt) Caswell #323EE CAS No. 60207-90-1 A.1. CODE: 122101 CFR No. 180.434		1yr feeding- dog NOEL= 50.00 ppm 6.2500 mg/kg 250.00 ppm ONCO: C (HED); D (SAP)		Irritation of the stomach in males. Evidence of carcinogenic- ity in mice (male liver); negative in rats.		ADI UF -->100 OPP RfD= 0.013000 EPA RfD= 0.013000		Questions concerning dos- ing in the mouse study. Triazole-alanine is plant metabolite		HED reviewed 05/05/87 EPA verified 07/15/87 WHO reviewed 1987 EPA verified 05/25/88 On IRIS.	
FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	1F3974	P 0.050000	0.007000		100.00	0.007000			
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	1F3974	P 0.050000	0.007000		100.00	0.007000			
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED	1F3974	P 0.050000	0.007000		100.00	0.007000			
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	1F3974	P 0.050000	0.007000		100.00	0.007000			
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	1F3974	P 0.050000	0.007000		100.00	0.007000			
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	1F3974	P 0.050000	0.007000		100.00	0.007000			
50000SA	MILK-SUG (LACT)	21 COOKED-NFS	1F3974	P 0.050000	0.007000		100.00	0.007000			
50000SA	MILK-SUG (LACT)	51 COOKED-CANNED	1F3974	P 0.050000	0.007000		100.00	0.007000			
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	1F3974	P 0.100000	0.460000		100.00	0.460000			
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	1F3974	P 0.100000	0.460000		100.00	0.460000			
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	1F3974	P 0.100000	0.460000		100.00	0.460000			
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	1F3974	P 0.100000	0.460000		100.00	0.460000			
53001DA	BEEF-DRIED	21 COOKED-NFS	1F3974	P 0.100000	0.010000		100.00	0.010000			
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	1F3974	P 0.100000	0.020000		100.00	0.020000			
53001FA	BEEF-FAT	21 COOKED-NFS	1F3974	P 0.100000	0.020000		100.00	0.020000			
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53001KA	BEEF-KIDNEY	21 COOKED-NFS	1F3974	P 2.000000	0.460000		100.00	0.460000			
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	1F3974	P 2.000000	0.420000		100.00	0.420000			
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	1F3974	P 0.100000	0.010000		100.00	0.010000			
53001MA	BEEF-LEAN	21 COOKED-NFS	1F3974	P 0.100000	0.010000		100.00	0.010000			
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	1F3974	P 0.100000	0.460000		100.00	0.460000			
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	1F3974	P 0.100000	0.460000		100.00	0.460000			
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	1F3974	P 0.100000	0.020000		100.00	0.020000			
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53002FA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	1F3974	P 2.000000	0.460000		100.00	0.460000			
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	1F3974	P 2.000000	0.420000		100.00	0.420000			
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	1F3974	P 0.100000	0.460000		100.00	0.460000			
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	1F3974	P 2.000000	0.460000		100.00	0.460000			
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	1F3974	P 0.100000	0.460000		100.00	0.460000			
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	1F3974	P 0.100000	0.460000		100.00	0.460000			
53005FA	SHEEP-FAT	21 COOKED-NFS	1F3974	P 0.100000	0.020000		100.00	0.020000			
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	1F3974	P 2.000000	0.460000		100.00	0.460000			

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 323EE

DATE: 06/26/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propiconazole (Banner/Tilt) Caswell #323EE CAS No. 60207-90-1 A.I. CODE: 122101 CFR No. 180.434		1yr feeding - dog MOEL= 1,2500 mg/kg 50.00 ppm LEL= 6,2500 mg/kg 250.00 ppm ONCO: C (HED); D (SAP)		Irritation of the stomach in males. Evidence of carcinogenic- ity in mice (male liver); negative in rats.		ADI UF -->100 OPP RfD= 0.013000 EPA RfD= 0.013000		Questions concerning dos- ing in the mouse study. Triazole-alanine is plant metabolite		HED reviewed 05/05/87 EPA verified 07/15/87 WHO reviewed 1987 EPA verified 05/25/88 on IRIS.	
FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)			
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	1F3974	P 2.000000	0.420000		100.00	0.420000			
53005MA	SHEEP-LEAN	21 COOKED-NFS	1F3974	P 0.100000	0.010000		100.00	0.010000			
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53006BA	PORK-MEAT BYP	21 COOKED-NFS	1F3974	P 0.100000	0.460000		100.00	0.460000			
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	1F3974	P 0.100000	0.460000		100.00	0.460000			
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED,CORNERD,OR CURED	1F3974	P 0.100000	0.460000		100.00	0.460000			
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	1F3974	P 0.100000	0.020000		100.00	0.020000			
53006FA	PORK-FAT	21 COOKED-NFS	1F3974	P 0.100000	0.020000		100.00	0.020000			
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED,CORNERD,OR CURED	1F3974	P 0.100000	0.020000		100.00	0.020000			
53006KA	PORK-KIDNEY	21 COOKED-NFS	1F3974	P 2.000000	0.460000		100.00	0.460000			
53006LA	PORK-LIVER	21 COOKED-NFS	1F3974	P 2.000000	0.420000		100.00	0.420000			
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53006MA	PORK-LEAN	21 COOKED-NFS	1F3974	P 0.100000	0.010000		100.00	0.010000			
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED,CORNERD,OR CURED	1F3974	P 0.100000	0.010000		100.00	0.010000			
53008BA	TURKEY-BYP	21 COOKED-NFS	4F3074	P 0.100000	0.000030	EXTRAPOLATED	100.00	0.000030			
53008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED,CORNERD,OR CURED	4F3074	P 0.100000	0.000030	EXTRAPOLATED	100.00	0.000030			
53008LA	TURKEY ORGAN	21 COOKED-NFS	4F3074	P 0.200000	0.000030	EXTRAPOLATED	100.00	0.000030			
53008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	4F3074	P 0.200000	0.000030	EXTRAPOLATED	100.00	0.000030			
53008LA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	4F3074	P 0.100000	0.000005	EXTRAPOLATED	100.00	0.000005			
53008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	4F3074	P 0.100000	0.000005	EXTRAPOLATED	100.00	0.000005			
53008MA	TURKEY W/O SKIN	21 COOKED-NFS	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007			
53008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007			
53008MB	TURKEY+SKIN	21 COOKED-NFS	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007			
53008MC	TURKEY-UNSPEC	21 COOKED-NFS	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007			
53013BA	PULTRY,OTH-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	4F3074	P 0.100000	0.000030	EXTRAPOLATED	100.00	0.000030			
53013LA	PULTRY,ORGAN	25 COOKED-FRESH-FRIED	4F3074	P 0.200000	0.000030	EXTRAPOLATED	100.00	0.000030			
53013MA	PULTRY,OTHER	21 COOKED-NFS	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007			
53014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AA	EGGS-WHOLE	21 COOKED-NFS	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AB	EGGS-WHITE ONLY	21 COOKED-NFS	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			
53014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015			

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 323EE

DATE: 06/26/96

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CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propiconazole (Banner/Tilt)		1yr feeding- dog		Irritation of the stomach in males.		ADI UF -->100 OPR RfD= 0.013000 EPA RfD= 0.013000		Questions concerning dosing in the mouse study.		HED reviewed 05/05/87 EPA verified 07/15/87 WHO reviewed 1987 EPA verified 05/25/88 On IRIS.	
CASwell #323EE CAS No. 60207-90-1 A.I. CODE: 122101 CFR No. 180.434		NOEL= 1.2500 mg/kg 50.00 ppm LEL= 6.2500 mg/kg 250.00 ppm ONCO: C (HED); D (SAP)		Evidence of carcinogenicity in mice (male liver); negative in rats.				Triazole-alanine is plant metabolite			

FOOD CODE	FOOD	FOOD FORM	PET. #	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	4F3074	P 0.100000	0.000015	EXTRAPOLATED	100.00	0.000015
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	4F3074	P 0.100000	0.000030	EXTRAPOLATED	100.00	0.000030
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	4F3074	P 0.200000	0.000030	EXTRAPOLATED	100.00	0.000030
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	4F3074	P 0.200000	0.000030	EXTRAPOLATED	100.00	0.000030
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	4F3074	P 0.100000	0.000005	EXTRAPOLATED	100.00	0.000005
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	4F3074	P 0.100000	0.000005	EXTRAPOLATED	100.00	0.000005
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	4F3074	P 0.100000	0.000005	EXTRAPOLATED	100.00	0.000005
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	4F3074	P 0.100000	0.000005	EXTRAPOLATED	100.00	0.000005
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	4F3074	P 0.100000	0.000005	EXTRAPOLATED	100.00	0.000005
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007
55015MB	CHICKEN+SKIN	21 COOKED-NFS	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	4F3074	P 0.100000	0.000007	EXTRAPOLATED	100.00	0.000007

171011-2

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 06/26/96

PAGE: 1

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
Propiconazole (Banner/ilt)	1yr feeding - dog	NOEL = 1,2500 mg/kg	Irritation of the stomach in males.	ADI UF --> 100	OPP Rfd = 0.013000	EPA Rfd = 0.013000	Questions concerning dosing in the mouse study.	HED revised 05/05/87	EPA verified 07/15/87	WHO revised 1987	EPA verified 05/25/88
Caswell #323EE	LEL = 50.00 ppm	250.00 ppm	Evidence of carcinogenicity in mice (male liver); negative in rats.				Triazole-alanine is plant metabolite				
A.I. CODE: 122101	ONCO: C (HED); D (SAP)										
CFR No. 180.434											
POPULATION SUBGROUP											
TOTAL TMRC (MG/KG BODY WEIGHT/DAY)				NEW TMRC		DIFFERENCE		EFFECT OF ANTICIPATED RESIDUES			
CURRENT TMRC*				AS PERCENT OF RFD		AS PERCENT OF RFD		ARC			
NEW TMRC**											
U.S. POPULATION - 48 STATES	0.001843	0.001987	15.284392	1.110777	0.000784	6.03377					
U.S. POPULATION - SPRING SEASON	0.001780	0.001954	15.031608	1.335777	0.000801	6.16258					
U.S. POPULATION - SUMMER SEASON	0.002043	0.002194	16.875031	1.161985	0.000876	6.74188					
U.S. POPULATION - FALL SEASON	0.001783	0.001902	14.632685	0.917300	0.000719	5.53455					
U.S. POPULATION - WINTER SEASON	0.001760	0.001881	14.470954	0.934885	0.000716	5.50820					
NORTHEAST REGION	0.001917	0.002071	15.927200	1.178185	0.000829	6.37388					
NORTH CENTRAL REGION	0.001855	0.002001	15.392592	1.125038	0.000777	5.97815					
SOUTHERN REGION	0.001617	0.001725	13.268454	0.827577	0.000627	4.82655					
WESTERN REGION	0.002108	0.002285	17.575285	1.362715	0.000974	7.49082					
HISPANICS	0.002225	0.002369	18.224146	1.106808	0.000890	6.84869					
NON-HISPANIC WHITES	0.001847	0.001996	15.355338	1.146354	0.000799	6.14802					
NON-HISPANIC BLACKS	0.001595	0.001681	12.930285	0.663408	0.000573	4.41001					
NON-HISPANIC OTHERS	0.002079	0.002263	17.406600	1.411338	0.000923	7.10218					
NURSING INFANTS (< 1 YEAR OLD)	0.003035	0.003281	25.235008	1.892292	0.001063	8.17542					
NON-NURSING INFANTS (< 1 YEAR OLD)	0.007674	0.008170	62.846285	3.815754	0.002591	19.92782					
FEMALES (13+ YEARS, PREGNANT)	0.001348	0.001445	11.114215	0.745677	0.000617	4.74540					
FEMALES 13+ YEARS, NURSING	0.001718	0.001863	14.332869	1.114492	0.000848	6.52630					
CHILDREN (1-6 YEARS OLD)	0.004094	0.004373	33.639192	2.148277	0.001475	11.34447					
CHILDREN (7-12 YEARS OLD)	0.002718	0.002900	22.305031	1.396992	0.001025	7.88246					
MALES (13-19 YEARS OLD)	0.001716	0.001830	14.075985	0.872377	0.000636	4.89475					
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.001443	0.001540	11.842600	0.743000	0.000585	4.50167					
MALES (20 YEARS AND OLDER)	0.001333	0.001451	11.160346	0.906500	0.000613	4.71635					
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.001302	0.001417	10.896746	0.881162	0.000656	5.04835					

*Current TMRC does not include new or pending tolerances.
 **New TMRC includes new, pending, and published tolerances.

TABLE 3

TOLERANCE ASSESSMENT SUMMARY FOR Propiconazole (Banner/Tilt) DATE: 06/26/96
 USING ANTICIPATED RESIDUES
 CASWELL #323EE

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000638	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	4.909	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000108	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.831	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000746	MG/KG/DAY
THE NEW ARC WILL OCCUPY	5.740	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000038	MG/KG/DAY
THIS ARC WILL OCCUPY	0.294	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000784	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	6.034	% OF THE ADI.

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.002095	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	16.112	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000387	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	2.975	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.002481	MG/KG/DAY
THE NEW ARC WILL OCCUPY	19.087	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000109	MG/KG/DAY
THIS ARC WILL OCCUPY	0.841	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.002591	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	19.928	% OF THE ADI.

END OF DOCUMENT

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

Registration
☒ Amendment
☐ Other

OPP Identifier Number
236497

Application for Pesticide - Section I

1. Company/Product Number 100-702	2. EPA Product Manager Welch	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) OrbitTM Fungicide	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Ciba-Geigy Corporation Ciba Crop Protection Post Office Box 18300 Greensboro, NC 27419 ☐ Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

☒ Amendment - Explain below.	☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____	☐ "Me Too" Application.
☐ Notification - Explain below.	☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

*Crop for any 1 Blackberry
or any 1 Raspberry
AND blueberry*

Requesting registration for use of Orbit on berries.

Section - III**1. Material This Product Will Be Packaged In:**

Child-Resistant Packaging ☐ Yes ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☐ Yes ☒ No	2. Type of Container ☐ Metal ☒ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container

3. Location of Net Contents Information ☒ Label ☐ Container	4. Size(s) Retail Container 1 qt., 1 gal.	5. Location of Label Directions ☒ On Label ☐ On Labeling accompanying product
6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled		☒ Other Pressure Sensitive

Section - IV**1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)**

Name Gregory R. Watson	Title Senior Regulatory Manager	Telephone No. (include Area Code) (910) 632-2993
----------------------------------	---	--

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Senior Regulatory Manager	
4. Typed Name Gregory R. Watson	5. Date August 29, 1995	

SUPPLEMENTAL LABELING

Page 1 of 2

ORBIT™ FUNGICIDE

EPA REG. NO. 100-702

FOR USE ON BERRIES

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-

2-yl]methyl]-1H-1,2,4-triazole 41.8%

Inert Ingredients: 58.2%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

All applicable directions, restrictions, and precautions on the EPA-registered Orbit label are to be followed including statements pertaining to the Worker Protection Standard.

This label must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

Berries

Blueberries:

Orbit can be applied by either aerial or ground equipment. For best results, sufficient water volume should be used to provide thorough and uniform plant coverage. When using aerial application a minimum of 5-10 gals./A is recommended. With ground equipment a minimum of 20-50 gals./A is recommended.

Mummyberry disease (*Monilinia vaccinicorymbosi*) - Apply 6 fl. oz. of Orbit per A at leaf bud break and repeat in 7-10 days. Make a third application at pink bud and repeat in 7-10 days in early bloom. Make a fifth application between full bloom and early petal fall.

Orbit (EPA Reg. No. 100-702) / Supplemental Labeling
Page 2 of 2

Leaf and Stem Spot (*Septoria albopunctata*) and Rust (*Pucciniastrum vaccinii*) - Apply 6 fl. oz. of Orbit per A beginning when conditions favor disease development. Repeat applications on a 4-week spray interval.

Important: To avoid possible illegal residues: (1) Do not apply more than 30 fl. oz. Orbit per acre per season. (2) Do not apply within 30 days of harvest.

Blackberry*, Elderberry, Huckleberry, Loganberry, Raspberry (Black and Red)

* - Includes bingleberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, himalayaberry, hullberry, lavacaberry, lowberry, lucretiberry, mammoth blackberry, marion berry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry.

Leaf and Cane Spot: Apply 6 fl. oz. of Orbit per A as a delayed dormant spray after training in the spring. Repeat this application in the late spring, again at bud break, and again once flowering had begun. A total of 5 applications using the 6 fl. oz. rate may be applied.

Powdery Mildew: Apply 6 fl. oz. of Orbit per A at 5 to 10% bloom. Repeat this application at full bloom, and on a 14 day interval while conditions are favorable for disease development. A total of 5 applications using the 6 fl. oz. rate may be applied.

Currant, Gooseberry

Leaf Spot: Apply 6 fl. oz. of Orbit per A just after harvest. Repeat this application prior to bloom and after petal fall. A total of 5 applications using the 6 fl. oz. rate may be applied.

Important: To avoid possible illegal residues: (1) Do not apply more than 30 fl. oz. Orbit per acre per season. (2) Do not apply within 30 days of harvest.

Orbit™ trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

©1995 Ciba-Geigy Corporation

Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC

CGA

SUPPLEMENTAL LABELING

(Note: 4 fl. oz. packet size)

Page 1 of 2

ORBIT™ GEL FUNGICIDE

EPA REG. NO. 100-737

FOR USE ON ALMONDS AND FILBERTS

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-

2-yl]methyl]-1H-1,2,4-triazole 41.8%

Inert Ingredients: 58.2%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

All applicable directions, restrictions, and precautions on the EPA-registered Orbit Gel label are to be followed including statements pertaining to the Worker Protection Standard.

This label must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

General Information

Orbit Gel is a broad spectrum fungicide for the control of certain diseases in non-bearing citrus, members of the Tree Nuts Crop Grouping, and certain stone fruit.

(Refer to the Mixing Procedures section of the Orbit™ Gel (EPA Reg. No. 100-737) label for a statement concerning the use of products not registered for use on almonds. This labeling reads as follows:

If using Orbit Gel in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No

SUPPLEMENTAL LABELING
Orbit Gel / Almonds and Filberts
Page 2 of 2

label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing.

Almonds

For control of brown rot blossom blight, apply 4 - 8 fl. oz. of Orbit Gel/A at 5-10% bloom and 50-100% bloom. **Under sever disease conditions, use the highest rate.**

Note: 1) Orbit Gel is most effective when applied and allowed to dry before a rainfall. 2) Orbit Gel can be applied by either ground or aerial application. For ground applications, a minimum of 100 gal./A of water is recommended. For aerial applications, a minimum of 20 gal./A of water is recommended. 3) **Do not graze livestock in treated areas or cut treated cover crops for feed.**

Hazelnuts (Filbert)

Eastern Filbert Blight (Anisogramma anomala) - Apply 5-8 fl. oz. of Orbit Gel/A in sufficient water to obtain thorough coverage. Begin applications when green leaf tissue becomes visible and continue on 2-3 week intervals. Under severe disease conditions, use the higher rate and the shorter interval.

Important: (1) Do not apply more than 32 fl. oz. of Orbit Gel per acre per season. (2) Under certain conditions, Orbit Gel applications may cause smaller and / or greener leaves. Yields of hazelnuts displaying these characteristics have not been reduced due to propiconazole Orbit Gel treatments.

Orbit™ trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

©1995 Ciba-Geigy Corporation

Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC 27419

CGA

October 18, 1995

END OF DOCUMENT

Please read Instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 11-30-93

(A) United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460		Application for Pesticide: ☐ Registration ☐ Amendment ☐ Other OPP Identifier Number 197443	
Section I			
1. Company/Product Number 100-737		2. EPA Product Manager Jackson (acting)	
4. Company/Product (Name) Tilt® Gel Fungicide		3. Proposed Classification ☒ None ☐ Restricted PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Ciba Plant Protection Ciba-Geigy Corporation P. O. Box 18300 Greensboro, NC 27417-8300 ☐ Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 100-737 Product Name Tilt Gel Fungicide	
Section II			
☐ Amendment - Explain below ☐ Resubmission in response to Agency letter dated _____ ☒ Notification - Explain below.		☐ Final printed labels in response to Agency letter dated _____ ☐ "Me Too" Application. ☐ Other - explain below.	
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Notification of addition of 4 fl. oz. package size and addition of Orbit™ Gel brand name to EPA Reg. No. 100-737.			
Section III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging ☐ Yes* ☒ No	Unit Packaging ☐ Yes ☒ No If "Yes," Unit Package wgt. No. per container	Water Soluble Packaging ☒ Yes ☐ No If "Yes," Package wgt. No. per container (4.27 oz.) 10	2. Type of Container ☐ Metal ☒ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____
* Certification must be submitted.			
3. Location of Net Contents Information ☒ Label ☐ Container		4. Size(s) of Retail Container 40 FL. OZ. (10 X 4 FL. OZ.)	
5. Location of Label Directions ☐ On Label ☒ On Labeling accompanying product		6. Manner in Which Label Is Affixed To Product ☒ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other (_____)	
Section IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Gregory R. Watson		Title Regulatory Manager Telephone No. (Include Area Code) 210-632-2903	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Data Application Received (Stamped)
2. Signature 		3. Title Regulatory Manager	
4. Typed Name Gregory R. Watson		5. Date 1/11/94	

04/23/96

Reference Files System

Page: 1

Chemistry Data Report

Active Ingredient Code: 122101

Full Chemical Name:

1-((2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl)-1H-1,
2,4-triazole

Reregistration Case No.: 3125

FIFRA 88 List: C

Case Name:

Propiconazole

Toxicology Caswell Nr.: 323EE

CAS Number: 60207-90-1

Product Manager: 21 Connie Welch

Review Manager: RICHARD GEBKEN

OCM Compliance Manager:

Chemical Name Type: Report Chemical Name

Type Synonymous Name

C Propiconazole

R CAS Reg. No. 60207-90-1

S 1H-1,2,4-Triazole,
1-((2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl)-

T Tilt

T Desmel

T Banner

T CGA-64250

323EE

CAS 60207-90-1

CFED 6a2 Reported

AED

3125 Case

04/23/96

REFERENCE FILES SYSTEM

PAGE 1

ACTIVE PRODUCTS CONTAINING THE ACTIVE INGREDIENT 122101

1-((2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl)-1H-1,
2,4-triazole

PERCENT	IDENT. NO.	STATUS	FORM CODE	PRODUCT NAME
41.8000	100-617	A	12	TILT FUNGICIDE
88.0000	100-618	A	01	CGA-64250 TECHNICAL
14.3000	100-641	A	12	BANNER
41.8000	100-702	A	12	ORBIT FUNGICIDE
41.8000	100-736	A	06	BANNER GL
41.8000	100-737	A	12	TILT GEL FUNGICIDE
14.3000	100-741	A	15	ALAMO FUNGICIDE
14.3000	100-772	A	02	PPZ 14.3% MG
01.5500	100-773	A	14	PPZ 1.55% HG FUNGICIDE
00.5000	1409-65	A	16	WOODLIFE P WOOD PRESERVATIVE
14.3000	7946-17	A	16	PROPISOL
88.0000	43813-13	A	02	WOCOSIN TECHNICAL
23.6000	43813-15	A	12	SAFETRAY P
23.6000	43813-16	A	12	WOCOSIN 250 EC
41.8000	FL88001600	A	12	TILT FUNGICIDE
41.8000	FL94000500	A	12	ORBIT FUNGICIDE
41.8000	GA94001000	A	12	TILT FUNGICIDE
41.8000	HI88000300	A	12	TILT FUNGICIDE
25.2000	HI91000900	A	12	TILT 250 EC
41.8000	ID95001200	A	12	TILT FUNGICIDE
41.8000	IL95000100	A	12	TILT FUNGICIDE
41.8000	MI95000700	A	12	TILT FUNGICIDE
41.8000	OK94000300	A	12	TILT FUNGICIDE
41.8000	OR95001800	A	12	TILT FUNGICIDE
41.8000	OR96000700	A	12	TILT GEL FUNGICIDE
41.8000	TX88000100	A	12	TILT FUNGICIDE
41.8000	TX94000900	A	12	TILT FUNGICIDE
41.8000	WA95003300	A	12	TILT FUNGICIDE

DP BARCODE: D219664

CASE: 287013
SUBMISSION: S494467DATA PACKAGE RECORD
BEAN SHEETDATE: 05/07/96
Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

CASE TYPE: TOLERANCE PET ACTION: 230 F PET RAW AGRI COMMO
RANKING : 0 POINTS ()
CHEMICALS: 122101 PropiconazoleID#: 5F04591
COMPANY: CIBA-GEIGY CORP
PRODUCT MANAGER: 21 CONNIE WELCH 703-308-8470 ROOM: CS1
PM TEAM REVIEWER: KATHRYN SCANLON 703-305-7382 ROOM: CM2 233
RECEIVED DATE: 09/06/95 DUE OUT DATE: 05/03/96

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 219664 EXPEDITE: N DATE SENT: 09/28/95 DATE RET.: / /
CHEMICAL: 122101 Propiconazole
DP TYPE: 001 Submission Related Data Package
CSF: N LABEL: Y

ASSIGNED TO	DATE IN	DATE OUT	ADMIN DUE DATE: 03/06/96
DIV : HED	09/29/95	/ /	NEGOT DATE: / /
BRAN: TSCB	10/03/95	/ /	PROJ DATE: 06/14/96
SECT: TS-2	04/18/96	/ /	
REVR :	04/18/96	/ /	
CONTR:	/ /	/ /	

* * * DATA REVIEW INSTRUCTIONS * * *

Please coordinate and route for review this submission for tolerances for propiconazole in members of the berry croup grouping, carrots, onions (green)/onions(dry bulb).

Attached are data voumes with MRIDs 43786401-4, Sections A-G, labels for the products, and other relevant materials.

* * * DATA PACKAGE EVALUATION * * *

No evaluation is written for this data package

* * * ADDITIONAL DATA PACKAGES FOR THIS SUBMISSION * * *

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
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END OF DOCUMENT

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

	United States Environmental Protection Agency Washington, DC 20460	☒ Registration ☒ Amendment ☐ Other	OPP Identifier Number 236494
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Application for Pesticide - Section I

1. Company/Product Number 100-617	2. EPA Product Manager Welch	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) Tilt® Fungicide	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Ciba-Geigy Corporation Ciba Crop Protection Post Office Box 18300 Greensboro, NC 27419 ☐ Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____

Section - II

☒ Amendment - Explain below. ☐ Resubmission in response to Agency letter dated _____ ☐ Notification - Explain below.	☐ Final printed labels in response to Agency letter dated _____ ☐ "Me Too" Application. ☐ Other - Explain below.
--	---

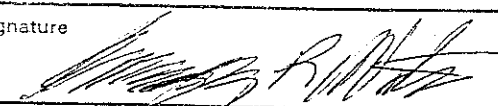
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Requesting registration for use of Tilt on carrots and onions.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging ☐ Yes* ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☐ Yes ☒ No	2. Type of Container ☒ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container _____	If "Yes" Package wgt. No. per container _____
3. Location of Net Contents Information ☒ Label ☐ Container		4. Size(s) Retail Container 1 qt., 1 gal., 15 gal.	
5. Location of Label Directions ☒ On Label ☐ On Labeling accompanying product		6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☒ Other Pressure Sensitive	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Gregory R. Watson	Title Senior Regulatory Manager	Telephone No. (Include Area Code) (910) 632-2993	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.			6. Data Application Received (Stamped) RECEIVED (Stamp)
2. Signature 	3. Title Senior Regulatory Manager		(Additional stamp area)
4. Typed Name Gregory R. Watson	5. Date August 29, 1995		

SUPPLEMENTAL LABELING

Page 1 of 3

TILT® FUNGICIDE
EPA REG. NO. 100-617

FOR USE ON CARROTS AND ONIONS

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-

2-yl]methyl]-1H-1,2,4-triazole 41.8%

Inert Ingredients: 58.2%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

All applicable directions, restrictions, and precautions on the EPA-registered Tilt label are to be followed including statements pertaining to the Worker Protection Standard.

This label must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

Carrots**Tilt Alone for Foliar Disease Control**

Leaf Blight (*Cercospora carotae*) and Powdery Mildew (*Erysiphe polygoni*) - Apply 4 fl. oz. of Tilt per A when conditions favor disease development. Continue applications on a 7-10 day interval, using the shorter interval when disease conditions are severe. If desired, a spreader-sticker may be used with Tilt.

Important: To avoid possible illegal residues: (1) Do not apply more than 16 fl. oz. of Tilt per acre per season. (2) Do not apply within 14 days of harvest.

Tilt (EPA Reg. No. 100-617) / Supplemental Labeling
Page 2 of 3

Tilt Plus Chlorothalonil for Foliar Disease Control

Leaf Blights (Alternaria dauci, Cercospora carotae) and **Powdery Mildew** (Erysiphe polygoni) - Combinations of Tilt with products containing chlorothalonil may be used for leaf blight and powdery mildew control. Apply 2 fl. oz. of Tilt as a tank mixture with 0.75 lb. active ingredient of chlorothalonil per acre. Begin applications when conditions favor disease development. Continue applications on a 7-10 day spray interval.

Important: For additional information on the correct amount of formulated chlorothalonil product for this tank mixture use, consult the table in the peanut section of the Tilt label. To avoid possible illegal residues: (1) Do not apply more than 16 fl. oz. of Tilt per A per season. (2) Do not apply within 14 days of harvest.

Dry Bulb Onions*, Green Onions **, and Onions Grown for Seed

* - Includes garlic, onions (dry bulb), and shallots (dry bulb)

** - Includes green onions, leeks, spring onions or scallions, Japanese bunching onions, green shallots, or green eschalots

Tilt Alone for Foliar Disease Control

Purple Blotch Control (Alternaria porri) and **Botrytis Leaf Blight Suppression** (Botrytis squamosa) - Apply 4-8 fl. oz. of Tilt per A in sufficient water to provide through coverage of the plant canopy. Begin applications when conditions favor disease development and continue on a 7-10 day interval. Use the higher rate and shorter interval when disease conditions are severe. To achieve optimum disease control use a wetting agent or spreader-sticker.

Important: To avoid possible illegal residues: (1) Do not apply more than 16 fl. oz of Tilt per acre per season. (2) Tilt may be applied up to the day of harvest on green onions. (3) Do not apply within 14 days of harvest on dry bulb onions.

Tilt Plus Tank Mixtures for Foliar Disease Control

Purple Blotch (Alternaria porri) and **Botrytis Leaf Blight** (Botrytis squamosa) **Control** - Apply 2-4 fl. oz. of Tilt per A in combination with another fungicide registered for control of Botrytis Leaf Blight or Purple Blotch of dry bulb onions, green onions, or onions grown for seed. Foliar applications should be made using sufficient water to provide through coverage of the plant canopy. Begin applications when conditions favor disease development and continue on a 7 day interval. Use the higher rate when disease conditions are severe.

Important: To avoid possible illegal residues: (1) Do not apply more than 16 fl. oz of Tilt per acre per season. (2) Tilt may be applied up to the day of harvest on green onions. (3) Do not apply within 14 days of harvest on dry bulb onions.

Tilt (EPA Reg. No. 100-617) / Supplemental Labeling
Page 3 of 3

Tilt® trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

©1995 Ciba-Geigy Corporation

Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC

CGA

Note: $70/7 \approx \text{Orbit}$
(same formulation)

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 1 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/95</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT (I): 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
5158.120	PRODUCT CHEMISTRY						MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
61-1	Identity of ingredients	Yes	1/28/81				2 4 4 2 6 8
61-2	Statement of composition	Yes	1/28/81				2 4 4 2 6 8
61-3	Discussion of formation of ingredients	Yes	1/28/81				2 4 4 2 6 8
62-1	Preliminary analysis						
62-2	Certification of limits	Yes	1/28/81				2 4 4 2 6 8
62-3	Analytical methods for enforcement limits	Yes	1/28/81				2 4 4 2 6 8
63-2	Color	Yes	1/28/81 & 12/09/83				2 4 4 2 6 7 & 0 7 2 2 1 9
63-3	Physical state	Yes	1/28/81 & 12/09/83				2 4 4 2 6 7 & 0 7 2 2 1 9
63-4	Odor	Yes	1/28/81 & 12/09/83				2 4 4 2 6 7 & 0 7 2 2 1 9
63-5	Melting point						
63-6	Boiling point	Yes	1/28/81				2 4 4 2 6 7
63-7	Density, bulk-density, or specific gravity	Yes	1/28/81				2 4 4 2 6 7 & 2 4 4 2 6 8

(1) Not produced by an integrated formulation system.
(2) Technical is not a solid at room temperature.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES _____ NO <u>X</u>		4. PAGE 2 OF 11		
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[12-(2,4-dichlorophenyl)-4-propyl-1, 3-dioxolan-2-yl]methyl-1H-1,2,4-triazole				
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT						10.
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)	MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
§158.120	PRODUCT CHEMISTRY (Continued)							
63-8	Solubility	Yes	1/28/81					2 4 4 2 6 7
63-9	Vapor pressure	Yes	1/28/81					2 4 4 2 6 7
63-10	Dissociation constant	Yes	1/28/81					2 4 4 2 6 7
63-11	Octanol/water partition coefficient	Yes	12/09/93					0 7 2 2 1 9
63-12	pH	Yes	12/09/83					0 7 2 2 1 9
			1/28/81					2 4 4 2 6 8
63-13	Stability	Yes	1/28/81					2 4 4 2 6 7
63-14	Oxidizing/reducing reaction	Yes	1/28/81					2 4 4 2 6 8
63-15	Flammability	Yes	1/28/81					2 4 4 2 6 8
63-16	Explosibility	Yes	12/09/83					0 7 2 2 1 9
63-17	Storage stability	Yes	1/28/81					2 4 4 2 6 8
63-18	Viscosity	Yes	1/28/81					2 4 4 2 6 8
63-19	Miscibility	Yes	1/28/81					2 4 4 2 6 8
63-20	Corrosion characteristics	Yes	1/28/81					2 4 4 2 6 8
63-21	Dielectric breakdown voltage						N.A. (3)	2 4 4 2 6 8

(3) Not used around electrical equipment.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 3 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[(2-(2,4-dichlorophenyl)-4-propyl-), 3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
5158.125	RESIDUE CHEMISTRY						10. MKID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
171-2	Chemical identity	Yes	1/28/81 & 12/09/83				2 4 4 2 6 7 & 0 7 2 2 1 9
171-3	Directions for use	Yes					Submitted Herein
171-4	Nature of residue - plants	Yes	12/09/83				(4)
171-4	Nature of residue - livestock	Yes	12/09/83 & 2/21/91				(5)
171-4	Residue analytical method	Yes	6/16/88 & 2/21/91				40022401 40100101 40154501 40180701 40692203 40692204 40692206 41823303 41822304
171-4	Magnitude of residues in fish	Yes					41819801
171-4	Magnitude of residues in processed food/feed						N.A. (6)
171-4	Magnitude of residues in meat/milk/poultry/eggs	Yes	3/30/84				0 7 2 5 5 6 1 3 7 8 6 1
171-5	Reduction of residue						N.A. (7)

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES _____ NO <u>X</u>		4. PAGE 4 OF 11		
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[(2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl]-1H-1,2,4-triazole				
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					10.	
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)	MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
\$158.130	ENVIRONMENTAL FATE							
161-1	Hydrolysis	Yes	1/28/81					0 0 0 6 7 9 0 1
161-2	Photodegradation in water	Yes	1/28/81					2 4 4 2 6 9
161-3	Photodegradation in soil	Yes	1/28/81					0 0 0 6 7 9 0 2
161-4	Photodegradation in air						N.A. (8)	
162-1	Aerobic soil metabolism	Yes	1/28/81 & 12/09/83					0 0 0 6 7 9 0 8 0 0 1 3 3 3 7 5 0 0 1 3 3 3 7 6 0 0 1 2 9 9 1 4
162-2	Anaerobic metabolism	Yes	12/09/83					0 0 0 6 7 9 0 8
162-3	Anaerobic aquatic metabolism	Yes	3/13/84					2 5 2 6 4 6
162-4	Aerobic aquatic metabolism	Yes	7/24/92 3/13/84 6/5/92					4 2 4 1 5 1 0 2 2 5 2 6 4 6 4 2 3 4 7 9 0 1
163-1	Adsorption/desorption and leaching	Yes	1/28/81					0 0 0 6 7 9 0 3 0 0 0 6 7 9 0 6 0 0 0 6 7 9 0 7
163-2	Volatility in lab						N.A. (8)	
163-3	Volatility in field						N.A. (8)	
164-4	Soil dissipation	Yes	12/17/85					0 0 1 5 5 6 4 2 0 0 1 2 9 9 1 3

(9) This end-use product is not intended for orchard or field vegetable crop uses that involve significant exposure to workers.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilte Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 5 OF 11		
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: 8/29/85 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-([2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl)-1H-1,2,4-triazole				
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT						10.
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)	MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
S158.130	ENVIRONMENTAL FATE (Continued)							
164-2	Aquatic sediment dissipation	Yes	3/13/84 11/17/92					2 5 2 6 4 6 2 5 2 6 4 7 4 2 5 6 5 0 1 4 2 5 6 5 5 0 2 0 0 1 5 5 6 4 3
164-5	Soil long-term dissipation	Yes	12/17/85					2 5 2 6 4 6 2 5 2 6 4 7
165-1	Confined rotational crop studies	Yes	3/13/84					0 0 1 3 8 2 6 6
165-2	Field rotational crop studies	Yes	3/13/84					2 4 4 2 6 9 2 4 4 2 7 0 2 4 5 7 0 8 0 0 1 3 3 3 9 4
165-4	Fish accumulation	Yes	1/28/81 8/20/81 12/09/83					

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒ X		4. PAGE 6 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[(2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl]-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
	TOXICOLOGY						10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
81-1	Acute oral LD-50 - rat	Yes	1/28/81				0 0 0 6 7 9 1 5
81-2	Acute dermal LD-50	Yes	1/28/81				0 0 0 6 7 9 1 6
81-3	Acute inhalation LC-50 - rat	Yes	1/28/81				0 0 0 6 7 9 1 9
81-4	Primary eye irritation - rabbit	Yes	1/28/81				0 0 0 6 7 9 1 7
81-5	Primary dermal irritation	Yes	1/28/81				0 0 0 6 7 9 1 8
81-6	Dermal sensitization	Yes	1/28/81				0 0 0 6 7 9 2 0
81-7	Acute delayed neurotoxicity - hen					N.A. (9)	
82-1	90-day feeding - rodent, nonrodent	Yes	1/28/81				0 0 0 5 8 6 0 6
82-2	21-day dermal						0 0 0 5 8 6 0 7
82-3	90-day dermal						0 0 1 1 6 5 9 1
82-4	90-day inhalation - rat						
82-5	90-day neurotoxicity						
83-1	Chronic feeding - two spp. rodent and nonrodent	Yes	7/15/83				0 0 1 2 9 9 1 8
83-2	Oncogenicity - two spp.	Yes	7/15/83				0 0 1 2 9 5 7 0
							0 0 1 5 1 5 1 5
							0 0 1 2 9 9 1 8
							0 0 1 2 9 5 7 0
							0 0 1 5 1 5 1 5
							0 0 1 2 9 9 1 8
							0 0 1 2 9 5 7 0
							0 0 1 5 1 5 1 5

(9) Not an organophosphate compound.

(10) Human exposure is not purposeful.

(11) Use does not result in repeated inhalation exposure at concentration likely to be toxic.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		1. PAGE 7 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/27/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[(2-(2,4-dichlorophenyl)-4-p-opyl-1, 3-dioxolan-2-yl)methyl]-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
							10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
\$158.135	TOXICOLOGY (Continued)						
83-3	Teratogenicity - two spp.	Yes	1/28/81 11/05/87 11/05/87 1/28/81 10/20/86				0 0 0 5 8 6 0 4 4 0 4 2 5 0 0 1 4 0 4 2 5 0 0 2 0 0 0 5 8 6 0 5 0 0 1 6 4 8 0 0
83-1	Reproduction - two-generation	Yes	9/13/85				0 0 1 5 1 5 1 4
84-2	Gene mutation	Yes	1/28/81 12/09/83				0 0 0 5 8 6 0 1 0 0 1 3 3 3 4 2
84-3	Chromosomal aberration	Yes	1/28/81 12/09/83				0 0 0 5 8 6 0 2 0 0 0 5 8 6 0 3 0 0 1 3 3 3 4 5 0 0 1 3 3 3 4 6
84-2	Other mechanisms of mutagenicity	Yes	12/09/83				0 0 1 3 3 3 4 7 0 0 1 3 3 3 4 8
85-1 86-1	General metabolism Domestic animal safety	Yes	12/09/83				0 0 1 6 4 7 9 8 N.A. (13)

(13) Domestic animals are not routinely exposed to this product.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 8 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Gelgy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/95</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[(2,4-dichlorophenyl)-4-p-opyl-1, 3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
158.140	REENTRY PROTECTION						MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
132-1	Foliar dissipation	Yes	12/09/83 & 3/13/84				0 7 2 2 2 4, 0 7 2 2 2 5, 2 5 2 6 4 6
132-1	Soil dissipation						
133-3	Dermal exposure	Yes	12/09/83 & 3/13/84				0 7 2 2 2 4, 0 7 2 2 2 5, 2 5 2 6 4 6
133-4	Inhalation exposure	Yes	12/09/83 & 3/13/84				0 7 2 2 2 4, 0 7 2 2 2 5, 2 5 2 6 4 6

(14) No substantial exposure to residues sorbed to soil.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 9 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: 8/29/85 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-((2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)methyl)-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
71-1	Wildlife and Aquatic Organism Data	Yes	1/28/81				MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
71-2	Avian oral LD-50	Yes	1/28/81				0 0 0 6 7 9 2 6 0 0 0 7 9 6 8 9 0 0 0 6 7 9 2 7 0 0 0 7 9 6 9 0 0 0 1 3 3 3 6 6 0 0 1 3 3 3 6 7
71-3	Wild animal toxicity						N.A. (15)
71-4	Avian reproduction	Yes	12/09/83				0 0 1 3 3 3 6 9 0 0 1 3 4 5 0 2
71-5	Simulated/actual field tests-mammals & birds						N.A. (15)
72-1	Freshwater fish LC-50	Yes	1/28/81				0 0 0 6 7 9 2 2 0 0 0 6 7 9 2 3 0 0 0 6 7 9 2 4 0 0 1 3 2 9 2 2 0 0 1 3 2 9 2 4 0 0 1 3 2 9 2 5 0 0 0 6 7 9 2 5 0 0 1 3 2 9 3 1 0 0 1 3 2 9 3 2
72-2	Acute LC-50 - freshwater invertebrates	Yes	1/28/81 12/09/83				

(15) Not required based on acute and subacute testing, use pattern, and pertinent environmental fate characteristics.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒ X		4. PAGE 10 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
158.145	WILDLIFE AND AQUATIC ORGANISM DATA (Cont'd.)						10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
72-3	Acute LC-50 - estuarine and marine organisms	Yes	12/09/83				0 0 1 3 2 9 3 3
72-4	Fish early life stage and aquatic invertebrate life-cycle	Yes	12/09/83				0 0 1 3 2 9 3 4
72-5	Fish - life-cycle	Yes	5/01/87				0 0 1 3 3 3 6 4
72-6	Aquatic organism accumulation	Yes	1/28/81				4 0 1 8 3 3 1 0
			8/20/81				2 4 4 2 7 0
			12/09/83				2 4 5 7 0 8
72-7	Simulated/actual field tests - aquatic organisms						0 0 1 3 3 3 9 4
							N.A. (16)

(16) Significant concentrations are not likely to occur in aquatic environments or accumulate in aquatic organisms.

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

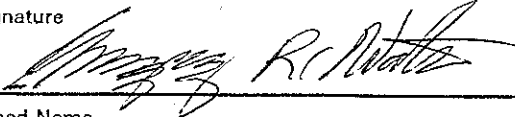
1. PRODUCT NAME: Tilt® Fungicide		2. EPA REG. NO./FILE SYMBOL 100-617		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 11 OF 11	
5. APPLICANT'S NAME AND ADDRESS: Ciba Plant Protection Ciba-Geigy Corporation Post Office Box 18300 Greensboro, NC 27419		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[[2-(2,4-dichlorophenyl)-4-propyl]-2, 3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
158.155	NONTARGET INSECT						MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
141-1	Honeybee acute contact LD-50						434267-02
141-2	Honeybee - toxicity of residues on foliage						N.A. (17)
141-5	Field testing for pollinators						N.A. (17)

(17) Honeybee exposure does not occur.

[CB-DOC-DMTRX]100-617_mwa 1/14/94

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

 United States Environmental Protection Agency Washington, DC 20460		☐ Registration ☒ Amendment ☐ Other	OPP Identifier Number 236499
Application for Pesticide - Section I			
1. Company/Product Number 100-618		2. EPA Product Manager Welch	
4. Company/Product (Name) CGA-64250 Technical		3. Proposed Classification ☐ None ☐ Restricted	
5. Name and Address of Applicant (Include ZIP Code) Ciba-Geigy Corporation Ciba Crop Protection Post Office Box 18300 Greensboro, NC 27419 ☐ Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	
Section - II			
☒ Amendment - Explain below.		☐ Final printed labels in response to Agency letter dated _____	
☐ Resubmission in response to Agency letter dated _____		☐ "Me Too" Application.	
☐ Notification - Explain below.		☐ Other - Explain below.	
Explanation: Use additional page(s) if necessary. (For section I and Section II.) Requesting tolerances and use of propiconazole (CGA-64250) technical end-use products on berries, carrots and onions.			
Section - III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging ☐ Yes* ☐ No	Unit Packaging ☐ Yes ☐ No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging ☐ Yes ☐ No If "Yes" Package wgt. No. per container	2. Type of Container ☐ Metal ☐ Plastic ☐ Glass ☐ Paper ☐ Other (Specify) _____
3. Location of Net Contents Information ☐ Label ☐ Container		4. Size(s) Retail Container MUP, no retail sales	
5. Location of Label Directions ☐ On Label ☐ On Labeling accompanying product		6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☐ Other _____	
Section - IV			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Gregory R. Watson		Title Senior Regulatory Manager	Telephone No. (Include Area Code) (910) 632-2993
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped)
2. Signature 		3. Title Senior Regulatory Manager	
4. Typed Name Gregory R. Watson		5. Date August 29, 1995	

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical	2. EPA REG. NO./FILE SYMBOL 100-618	3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒	4. PAGE 1 OF 14
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, North Carolina 27419-8300	6. APPLICATION FOR REGISTRATION DATE: 8/27/95 MO DAY YR	7. NAME OF ACTIVE INGREDIENT(S): 1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl-methyl)-1-H-1,2,4-triazole; CGA-64250	
8. DATA REQUIREMENTS	9. SOURCE OF DATA SATISFYING REQUIREMENT		10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
8a. REGULATION PART 158/ GUIDELINE NUMBER	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)
			9d. PERMISSION LETTER ENCLOSED
			9e. PUBLIC LITERATURE
			9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
\$158.150			
61-1	Yes	01/28/81 04/08/88	244267 40583701
61-2	Yes	01/28/81 01/28/81	00067960 00067961
61-3	Yes	04/08/88	40583701
62-1	Yes	01/28/81 04/08/88	244267 40583701
62-2	Yes	01/28/81 04/08/88	244267 40583702
62-3	Yes	01/28/81 04/08/88	244267 40583702
63-2	Yes	01/28/81 04/08/88 09/20/91	244267 40583703 *42030201
63-3	Yes	01/28/81 04/08/88 09/20/91	244267 40583703 *42030201
63-4	Yes	01/28/81 04/08/88 09/20/91	244267 40583703 *42030201
63-5	No		
63-6	Yes	01/28/81 04/08/88 09/20/91	N.A. (1)

(1) Not a solid at room temperature.

* Submitted under FIFRA 88 Accelerated Reregistration, pending review.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical		2. EPA REG. NO./FILE SYMBOL 100-618		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 2 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300		6. APPLICATION FOR REGISTRATION DATE: 2/29/95 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolap-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64250			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT				10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER	
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. N.A. OR WALVER OR OTHER (EXPLAIN)	9f. PUBLIC LITERATURE
158.150	PRODUCT CHEMISTRY						
63-7	Density, bulk-density, or specific gravity	Yes	01/28/81 04/08/88 09/20/91				
63-8	Solubility	Yes	01/28/81 04/08/88 12/11/90 09/20/91				244267 40583703 *42030201
63-9	Vapor pressure	Yes	01/28/81 04/08/88 12/11/90				244267 40583703 *41720301 *42030201
63-10	Dissociation constant	Yes	01/28/81 04/08/88 09/20/91				244267 40583703 *42030201
63-11	Octanol/water partition coefficient	Yes	04/08/88				40583703
63-12	pH	Yes	04/08/88				40583703
63-13	Stability	Yes	01/28/81 04/08/88				244267 40583703
63-14	Oxidizing/reducing reaction	No				N.A. (2)	
63-15	Flammability	No				N.A. (2)	
63-16	Explosibility	No				N.A. (2)	
63-17	Storage stability	No				N.A. (2)	
63-18	Viscosity	No				N.A. (2)	
63-19	Miscibility	No				N.A. (2)	
63-20	Corrosion characteristics	No				N.A. (2)	
63-21	Dielectric breakdown voltage	No				N.A. (2)	

(2) Not required for technical chemical, see end-use formulations.

* Submitted under FIFRA 88 Accelerated Reregistration, pending review.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical	2. EPA REG. NO./FILE SYMBOL 100-618	3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒	4. PAGE 3 OF 14
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300	6. APPLICATION FOR REGISTRATION DATE: <u>8/29/85</u> NO DAY YR	7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl-methyl]-1-H-1,2,4-triazole; CGR-64250	
8. DATA REQUIREMENTS			
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9. SOURCE OF DATA SATISFYING REQUIREMENT	
		9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED
		9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED
		9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
		10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER	
\$158.240	RESIDUE CHEMISTRY		244267
171-2	Chemical identity		40583701
171-3	Directions for Use		(3)
171-4	Nature of residue - plants		072213
			74495
			74496
			74497
			74498
			74499
			74500
			74501
			74502
			143107
			155644
			155646
171-4	Nature of residue - livestock		67905
			74503
			74504
			072214
			*41823301
			*41823302
			40022401
			40100101
			40154501
			40180701
			40180702
			40692204
			40692206
			*41823303
			*41823304
171-4	Residue analytical method		

(3) See approved labeling for Propiconazole Technical EPA Reg. No. 100-618.

* Submitted under FIFRA 88 Accelerated Reregistration, pending review.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical		2. EPA REG. NO./FILE SYMBOL 100-618		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 4 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300		6. APPLICATION FOR REGISTRATION DATE: 8/29/95 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-dichlorophenyl)-4-propyl-5,3-dioxolan-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64250			
B. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
\$158.240	RESIDUE CHEMISTRY						MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
171-4	Magnitude of residue in crop field trials	No					
171-4	Magnitude of residues - processed food/feed	No					N.A. (2)
171-4	Magnitude of residues in meat/milk/poultry/eggs	No					N.A. (2)
171-5	Reduction of residue	No					
171-6	Proposed tolerance	No					
171-7	Reasonable grounds in support of petition	No					

(2) Not required for technical chemical, see end-use formulations.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical	2. EPA REG. NO./FILE SYMBOL 100-618	3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒	4. PAGE 5 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300	6. APPLICATION FOR REGISTRATION DATE: 8/29/95 MO DAY YR	7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64250		
8. DATA REQUIREMENTS	9. SOURCE OF DATA SATISFYING REQUIREMENT			
9a. REGULATION PART 158/ GUIDELINE NUMBER	9b. SUBMITTED BY APPLICANT	9c. DATE SUBMITTED	9d. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	
9e. NAME OF TEST	9f. PERMISSION LETTER ENCLOSED	9g. PUBLIC LITERATURE	9h. N.A. OR WAIVER OR OTHER (EXPLAIN)	
9i. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER				
S158-290				
161-1	Yes	01/28/81		67901
161-2	Yes	01/28/81 12/09/83 03/07/91		67911 133409 *41811901
161-3	Yes	01/28/81 03/07/91		67902 *41811902
161-4	No			
162-1	Yes	01/28/81 09/30/82 09/30/82 09/30/82 09/30/82 12/09/83 12/09/83 12/17/85		67908 129910 129911 129912 129914 133375 133376 155644
162-2	Yes	01/28/81 09/30/82		67908 129912 252646
162-3	Yes	03/13/84 02/20/89		41013001 252646
162-4	Yes	03/13/84 02/20/89		41013002 67903
163-1	Yes	01/28/81 01/28/81 12/11/90		67906 67907 *41727001
163-2	No			N.A. (4)
163-3	No			N.A. (4)

(4) Conditional requirement - has not been requested based on use pattern and other pertinent factors.

* Submitted under FIFRA 88 Accelerated Reregistration, pending review.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Preproconazole Technical	2. EPA REG. NO./FILE SYMBOL 100-618	3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒	4. PAGE 6 OF 14
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300	6. APPLICATION FOR REGISTRATION DATE: 8/29/85 MO DAY YR	7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolol-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64250	...
8. DATA REQUIREMENTS			
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9. SOURCE OF DATA SATISFYING REQUIREMENT	
		9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED
\$158.290	ENVIRONMENTAL FATE (Continued)		
164-1	Soil dissipation	No	
164-5	Soil, long-term dissipation	No	
165-1	Confined rotational crops studies	Yes	06/05/81 09/30/82 04/03/84 12/17/85 12/17/85 12/17/85
165-2	Field rotational crops studies	No	
165-4	Fish accumulation	Yes	01/28/81 01/28/81 12/09/83 12/11/90
			9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)
			9d. PERMISSION LETTER ENCLOSED
			9e. PUBLIC LITERATURE
			9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
			10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
			74498 129915 138266 155643 155644 155645
			69570 245708 133394 41720303

(2) Not required for technical chemical, see end-use formulations.
 * Submitted under FIFRA 88 Accelerated Reregistration, pending review.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical		2. EPA REG. NO./FILE SYMBOL 100-618		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 7 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300		6. APPLICATION FOR REGISTRATION DATE: 8/27/95 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxol-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64250			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT				10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER	
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
§158.340	TOXICOLOGY						
81-1	Acute oral toxicity - rat	Yes	01/28/81				58591
	- mouse	Yes	01/28/81				58592
	- Chinese hamster	Yes	01/28/81				58593
	- rabbit	Yes	01/28/81				58594
81-2	Acute dermal toxicity	Yes	01/28/81				58596
81-3	Acute inhalation toxicity - rat	Yes	08/14/90				*41594801
81-4	Primary eye irritation - rabbit	Yes	01/28/81				58597
81-5	Primary dermal irritation	Yes	01/28/81				58598
81-6	Dermal sensitization	Yes	01/28/81				58600
81-7	Acute delayed neurotoxicity - hen	No					
82-1	90-day feeding study - rodent	Yes	01/28/81				N.A. (5)
	- nonrodent						
82-2	21-day dermal		01/28/81				58606
82-3	90-day dermal	No	10/07/91				42050501
82-4	90-day inhalation - rat	No	10/07/91				42050502
82-5	90-day neurotoxicity	No	01/28/81				58607
83-1	Chronic feeding - rat	Yes	09/30/82				116591
	- mouse	Yes					
	- dog	Yes	07/15/83				129918
		Yes	09/13/85				151502
		Yes	07/15/83				129570
		Yes	09/13/85				151503
		Yes	09/13/85				151515

(5) Not an organophosphate or related compound, not related to compounds causing delayed neurotoxicity.

(6) Not purposefully applied to skin, no prolonged exposure to skin or repeated inhalation at toxic levels anticipated.

* Submitted under FIFRA 88 reregistration, pending review.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical	2. EPA REG. NO./FILE SYMBOL 100-618	3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒	4. PAGE 8 OF 14
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300	6. APPLICATION FOR REGISTRATION DATE: 8/29/85 MO DAY YR	7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-Dichlorophenyl)-4-pyridyl]-2,3-dioxolane-2-yl-methyl-1-H-1,2,4-triazole; CGA-64250	
8. DATA REQUIREMENTS			
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9. SOURCE OF DATA SATISFYING REQUIREMENT	
		9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED
		9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED
		9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
		10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER	
158.340 83-2	TOXICOLOGY (Continued) Oncogenicity study - rat - mouse	Yes Yes	07/15/83 09/13/85 09/13/85 01/28/81 07/15/83 09/13/83 09/13/85 09/13/85 10/07/91
83-3	Teratogenicity - rat	Yes	01/28/81 04/12/84 09/04/86 11/05/87 11/05/87 11/05/87 01/28/81 10/20/86 11/05/87
83-4	Reproduction, 2 generation	Yes	12/09/83 02/08/84 09/13/85
84-2	Gene mutation	Yes	01/28/81 12/09/83 09/13/85 12/09/83 09/13/85 12/09/83 09/13/85 08/14/90 10/07/91
			129918 151502 151517 84153 129570 130844 151503 151516 42050503 58604 143454 163322 40425001 40425002 40425003 58605 164800 40425004 133350 138167 151514 58601 133342 151504 133343 151505 133344 165468 41594802 42050504

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical		2. EPA REG. NO./FILE SYMBOL 100-618		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 9 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300		6. APPLICATION FOR REGISTRATION DATE: <u>2/29/85</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolen-2-yl-methyl)-1-H-1,2,4-triazole; CGA-64250			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT				10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER	
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
158-340	TOXICOLOGY (Continued)						
84-2	Chromosomal aberration	Yes	01/28/81 01/28/81 12/09/83 09/13/85 12/09/83 09/13/85 12/09/83 09/13/85 08/14/90				
							58602 58603 13345 151506 13346 151507 163163 151510 *41594803 42050505
84-4	Other genotoxic effects	Yes	12/09/83 09/13/85 12/09/83 09/13/85				
							13347 151508 13348 151509
85-1	General metabolism	Yes	06/05/81 06/05/81 06/05/81 06/15/83 09/08/83 12/09/83 05/16/85 10/20/86 10/20/86 10/20/86 10/20/86				
							74505 74506 74507 129906 131098 132946 147861 164794 164795 164796 164797 164798
85-2	Dermal penetration	Yes	10/20/86 10/20/86 10/20/86			Yes	
							164469 164470 164794
86-1	Domestic animal safety	No	10/20/86				N.A. (?)

(7) Domestic animals are not routinely exposed to this product.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical		2. EPA REG. NO./FILE SYMBOL 100-618		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 11 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300		6. APPLICATION FOR REGISTRATION DATE: 8/29/85 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-oxazolop-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64256			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT				10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER	
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
3158.490	WILDLIFE AND AQUATIC ORGANISMS						
71-1	Avian oral LD50 - duck - quail	Yes	01/28/81				
71-2	Avian dietary LC50 - duck - quail	Yes	01/28/81				
		Yes	12/09/83				
71-3	Wild mammal toxicity	No	12/09/83				N.A. (8)
71-4	Avian reproduction	Yes	12/09/83				
			12/09/83				
71-5	Simulated and actual field testing	No	12/09/83				N.A. (2)
72-1	Freshwater fish LC50	Yes	01/28/81				
			01/28/81				
			01/28/81				
			12/09/83				
			12/09/83				
			12/09/83				
72-2	Acute LC50 - freshwater invertebrates	Yes	01/28/81				
			12/09/83				
			12/09/83				
72-3	Acute LC50 - estuarine and marine - fish - mollusk - shrimp	Yes	12/09/83				
		No					N.A. (9)
		No					N.A. (9)

(2) Not required for technical chemical, see end-use formulations.

(8) Not required based on acute and subacute testing, use pattern, and pertinent environmental fate characteristics.

(9) Waiver accepted in EPA Response to Phase 2 Submission.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical		2. EPA REG. NO./FILE SYMBOL 100-618		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 12 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300		6. APPLICATION FOR REGISTRATION DATE: 5/2/85 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64250			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
158.490	WILDLIFE AND AQUATIC ORGANISMS (Continued)						10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
72-4	Fish early life stages and Aquatic invertebrate life cycle	Yes	12/11/90				41720302
72-5	Fish - life cycle	Yes	05/01/87				163165
72-6	Aquatic organism accumulation	Yes	11/03/88				40183310
72-7		No					40882001
		No					N.A. (10)
							N.A. (2)

(2) Not required for technical chemical, see end-use formulations.

(10) Active ingredient and/or principal degradation products not expected to occur or accumulate in aquatic environments.

DATA REQUIREMENTS FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: Propiconazole Technical		2. EPA REG. NO./FILE SYMBOL 100-618		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 14 OF 14	
5. APPLICANT'S NAME AND ADDRESS: Ciba-Geigy Corporation Ciba Plant Protection P. O. Box 18300 Greensboro, NC 27419-8300		6. APPLICATION FOR REGISTRATION DATE: <u>8/29/95</u> MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): 1-[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl-methyl]-1-H-1,2,4-triazole; CGA-64250			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEST	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
158.590	NONTARGET INSECT						10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
141-1	Honeybee acute contact LD50	No					N.A. (12)
141-2	Honeybee - toxicity of residue on foliage	No					N.A. (2)
141-5	Field testing for pollinators	No					N.A. (2)

(2) Not required for technical chemical, see end-use formulations.
(12) Honeybee exposure does not occur.

END OF DOCUMENT

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

	United States Environmental Protection Agency Washington, DC 20460	☐ Registration ☒ Amendment ☐ Other	OPP Identifier Number 236495
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Application for Pesticide - Section I

1. Company/Product Number 100-737	2. EPA Product Manager Welch	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) Orbit™ Gel Fungicide Tilt® Gel Fungicide	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Ciba-Geigy Corporation Ciba Crop Protection Post Office Box 18300 Greensboro, NC 27419 ☐ Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(ii), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

☒ Amendment - Explain below. ☐ Resubmission in response to Agency letter dated _____ ☐ Notification - Explain below.	☐ Final printed labels in response to Agency letter dated _____ ☐ "Me Too" Application. ☐ Other - Explain below.
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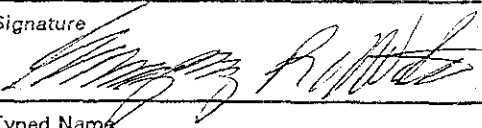
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Requesting registration for use of Tilt Gel on carrots and onions and Orbit Gel on berries.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging ☐ Yes ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☒ Yes ☐ No	2. Type of Container ☐ Metal ☐ Plastic ☐ Glass ☒ Paper ☐ Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container _____ _____	If "Yes" Package wgt No. per container 4 fl. oz 5
3. Location of Net Contents Information ☒ Label ☐ Container		4. Size(s) Retail Container 4 fl. oz. x 5	
5. Location of Label Directions ☒ On Label ☐ On Labeling accompanying product			
6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☒ Other Pressure Sensitive ☐ Stenciled			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Gregory R. Watson	Title Senior Regulatory Manager	Telephone No. (include Area Code) (910) 632-2993
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Senior Regulatory Manager	
4. Typed Name Gregory R. Watson	5. Date August 29, 1995	

SUPPLEMENTAL LABELING

(Note: 4 fl. oz. packet size)

Page 1 of 2

ORBIT™ GEL FUNGICIDE

EPA REG. NO. 100-737

FOR USE ON BERRIES

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-

2-yl)methyl]-1H-1,2,4-triazole 41.8%

Inert Ingredients: 58.2%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

All applicable directions, restrictions, and precautions on the EPA-registered Orbit Gel label are to be followed including statements pertaining to the Worker Protection Standard.

This label must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

BerriesBlueberries:

Orbit Gel can be applied by either aerial or ground equipment. For best results, sufficient water volume should be used to provide thorough and uniform plant coverage. When using aerial application a minimum of 5-10 gals./A is recommended. With ground equipment a minimum of 20-50 gals./A is recommended.

Mummyberry disease (*Monilinia vaccinicorymbosi*) - Apply 3 packets / 2 A (6 fl. oz. per A) of Orbit Gel at leaf bud break and repeat in 7-10 days. Make a third application at pink bud and repeat in 7-10 days in early bloom. Make a fifth application between full bloom and early petal fall.

Orbit Gel (EPA Reg. No. 100-737 / Supplemental Labeling
Page 2 of 2

Leaf and Stem Spot (*Septoria albopunctata*) and Rust (*Pucciniastrum vaccinii*) - Apply 3 packets / 2 A (6 fl. oz. per A) of Orbit Gel beginning when conditions favor disease development. Repeat applications on a 4-week spray interval.

Important: To avoid possible illegal residues: (1) Do not apply more than 30 fl. oz. Orbit Gel per acre per season. (2) Do not apply within 30 days of harvest.

Blackberry*, Elderberry, Huckleberry, Loganberry, Raspberry (Black and Red)

* - Includes bingleberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, himalayaberry, hullberry, lavacaberry, lowberry, lucretiberry, mammoth blackberry, marion berry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry.

Leaf and Cane Spot: Apply 3 packets / 2 A (6 fl. oz. per A) of Orbit Gel as a delayed dormant spray after training in the spring. Repeat this application in the late spring, again at bud break, and again once flowering had begun. A total of 5 applications using the 3 packets / 2 A (6 fl. oz./A) rate may be applied.

Powdery Mildew: Apply 3 packets / 2 A (6 fl. oz. per A) of Orbit Gel at 5 to 10% bloom. Repeat this application at full bloom, and on a 14 day interval while conditions are favorable for disease development. A total of 5 applications using the 3 packets / 2 A (6 fl. oz. per A) rate may be applied.

Currant, Gooseberry

Leaf Spot: Apply 3 packets / 2 A (6 fl. oz. per A) of Orbit just after harvest. Repeat this application prior to bloom and after petal fall. A total of 5 applications using the 3 packets / 2 A (6 fl. oz. per A) rate may be applied.

Important: To avoid possible illegal residues: (1) Do not apply more than 30 fl. oz. Orbit Gel per acre per season. (2) Do not apply within 30 days of harvest.

Orbit™ trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

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Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC

CGA

SUPPLEMENTAL LABELING

(Note: 4 fl. oz. packet size)

Page 1 of 3

Tilt® GEL FUNGICIDE

EPA REG. NO. 100-737

FOR USE ON CARROTS AND ONIONS

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-

2-yl]methyl]-1H-1,2,4-triazole 41.8%

Inert Ingredients: 58.2%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

All applicable directions, restrictions, and precautions on the EPA-registered Tilt Gel label are to be followed including statements pertaining to the Worker Protection Standard.

This label must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

Carrots**Tilt Gel Alone for Foliar Disease Control**

Leaf Blight (*Cercospora carotae*) and **Powdery Mildew** (*Erysiphe polygoni*) - Apply 1 packet (4 fl. oz.) of Tilt Gel per A when conditions favor disease development. Continue applications on a 7-10 day interval, using the shorter interval when disease conditions are severe. If desired, a spreader-sticker may be used with Tilt Gel.

Important: To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 fl. oz.) of Tilt Gel per acre per season. (2) Do not apply within 14 days of harvest.

Tilt Gel (EPA Reg. No. 100-737) / Supplemental Labeling
Page 2 of 3

Tilt Gel Plus Chlorothalonil for Foliar Disease Control

Leaf Blights (*Alternaria dauci*, *Cercospora carotae*) and Powdery Mildew (*Erysiphe polygoni*) - Combinations of Tilt Gel with products containing chlorothalonil may be used for leaf blight and powdery mildew control. Apply 1 packet / 2 A (2 fl. oz./A) of Tilt Gel as a tank mixture with 0.75 lb. active ingredient of chlorothalonil per acre. Begin applications when conditions favor disease development. Continue applications on a 7-10 day spray interval.

Important: For additional information on the correct amount of formulated chlorothalonil product for this tank mixture use, consult the table in the peanut section of the Tilt Gel label. To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 fl. oz.) of Tilt Gel per acre per season. (2) Do not apply within 14 days of harvest.

Dry Bulb Onions*, Green Onions **, and Onions Grown for Seed

* - Includes garlic, onions (dry bulb), and shallots (dry bulb)

** - Includes green onions, leeks, spring onions or scallions, Japanese bunching onions, green shallots, or green eschalots

Tilt Gel Alone for Foliar Disease Control

Purple Blotch Control (*Alternaria porri*) and Botrytis Leaf Blight Suppression (*Botrytis squamosa*) - Apply 1 - 2 packets (4-8 fl. oz.) of Tilt Gel per A in sufficient water to provide through coverage of the plant canopy. Begin applications when conditions favor disease development and continue on a 7-10 day interval. Use the higher rate and shorter interval when disease conditions are severe. To achieve optimum disease control use a wetting agent or spreader-sticker.

Important: To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 fl. oz) of Tilt Gel per acre per season. (2) Tilt Gel may be applied up to the day of harvest on green onions. (3) Do not apply within 14 days of harvest on dry bulb onions.

Tilt Gel Plus Tank Mixtures for Foliar Disease Control

Purple Blotch (*Alternaria porri*) and Botrytis Leaf Blight (*Botrytis squamosa*) Control - Apply 1 packet / 1 - 2 A (2-4 fl. oz. per A) of Tilt Gel in combination with another fungicide registered for control of Botrytis Leaf Blight or Purple Blotch of dry bulb onions, green onions, or onions grown for seed. Foliar applications should be made using sufficient water to provide through coverage of the plant canopy. Begin applications when conditions favor disease development and continue on a 7 day interval. Use the higher rate when disease conditions are severe.

Important: To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 fl. oz) of Tilt Gel per acre per season. (2) Tilt Gel may be applied up to the day of harvest on green onions. (3) Do not apply within 14 days of harvest on dry bulb onions.

Tilt Gel (EPA Reg. No. 100-737) / Supplemental Labeling
Page 3 of 3

Tilt® trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

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Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC

CGA

TGELMTR.XLS

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: TILT GEL FUNGICIDE, ORBIT GEL FUNGICIDE		2. EPA REG. NO./FILE SYMBOL 100-737		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		PAGE 1 OF 1	
5. APPLICANT'S NAME AND ADDRESS: Ciba Crop Protection Ciba-Geigy Corporation P.O. Box 18300 Greensboro, N.C. 27419		6. APPLICATION FOR REGISTRATION DATE: 08/29/95 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): PROPICONAZOLE (EPA REG. NO. 100-618)			
8. DATA REQUIREMENTS							
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEXT	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER							
\$158.150	PRODUCT CHEMISTRY						
61-1	Identity of ingredients	YES	11/21/91				42117001
61-2	Statement of composition	YES	11/21/91				42117001
61-3	Discussion of formation of ingredients	YES	11/21/91				42117001
62-2	Certification of limits	YES	11/21/91				42117001
62-3	Analytical method	YES	11/21/91				42117001
63							
63-2	Color	YES	11/21/91				42117001
63-3	Physical state	YES	11/21/91				42117001
63-4	Odor	YES	11/21/91				42117001
63-7	Density, bulk-density, or specific gravity	YES	11/21/91				42117001
63-12	pH	YES	11/21/91				42117001
63-14	Oxidizing/reducing reaction	YES	11/21/91				42117001
63-15	Flammability	YES	11/21/91				42117001
63-16	Explosibility	YES	11/21/91				42117001
63-17	Storage stability	YES	11/21/91				42117001
63-20	Corrosion characteristics	YES	11/21/91				42117001

TGELMTR.XLS

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: TILT GEL FUNGICIDE, ORBIT GEL FUNGICIDE		2. EPA REG. NO./FILE SYMBOL 100-737		3. FORMULATOR'S EXEMPTION SELECTED: YES ☐ NO ☒		4. PAGE 1 OF 1	
5. APPLICANT'S NAME AND ADDRESS: Ciba Crop Protection Ciba-Geigy Corporation P.O. Box 18300 Greensboro, N.C. 27419		6. APPLICATION FOR REGISTRATION DATE: 08/29/95 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): PROPICONAZOLE (EPA REG. NO. 100-618)			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEXT	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
158.340	Toxicology						MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
	Summary of Acute Toxicology Studies	YES	11/21/91				421170-02
81-1	Acute Oral LD-50 - rat	YES	11/21/91				421170-03
81-2	Acute dermal LD-50	YES	11/21/91				421170-04
81-3	Acute inhalation LC-50 - rat	YES	11/21/91				421170-05
81-4	Primary eye irritation - rabbit	YES	11/21/91				421170-06
81-5	Primary dermal irritation	YES	11/21/91				421170-07
81-6	Dermal sensitization	YES	11/21/91				421170-08
Also citing attached Tilt (EPA Reg. No. 100-617) and Propiconazole Technical (EPA Reg. No. 100-618) Data Matrices							

END OF DOCUMENT

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95

	United States	☐ Registration ☒ Amendment ☐ Other	OPP Identifier Number
	Environmental Protection Agency		236496
	Washington, DC 20460		

Application for Pesticide - Section I

1. Company/Product Number 100-TIN	2. EPA Product Manager Welch	3. Proposed Classification ☒ None ☐ Restricted
4. Company/Product (Name) Tilt® 45W Fungicide	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Ciba-Geigy Corporation Ciba Crop Protection Post Office Box 18300 Greensboro, NC 27419 ☐ Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

☒ Amendment - Explain below.	☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____	☐ "Me Too" Application.
☐ Notification - Explain below.	☐ Other - Explain below.

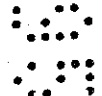
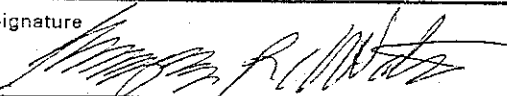
Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Requesting registration for use of Tilt 45W on carrots and onions.

Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging ☐ Yes ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☒ Yes ☐ No	2. Type of Container ☐ Metal ☐ Plastic ☐ Glass ☒ Paper ☐ Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container 4 oz. 5	If "Yes" Package wgt. No. per container 4 oz. 5
3. Location of Net Contents Information ☒ Label ☐ Container	4. Size(s) Retail Container 4 oz. x 5	5. Location of Label Directions ☒ On Label ☐ On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled ☒ Other Pressure Sensitive			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Gregory R. Watson	Title Senior Regulatory Manager	Telephone No. (Include Area Code) (910) 632-2993	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.			6. Date Application Received (Stamped) 
2. Signature 	3. Title Senior Regulatory Manager		
4. Typed Name Gregory R. Watson	5. Date August 29, 1995		

SUPPLEMENTAL LABELING

(Note: 4 oz. packet size)

Page 1 of 3

TILT® 45W FUNGICIDE
EPA FILE SYMBOL NO. 100-TIN

FOR USE ON CARROTS AND ONIONS

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-
2-yl]methyl]-1H-1,2,4-triazole 45%Inert Ingredients: 55%

Total 100%

KEEP OUT OF REACH OF CHILDREN.

CAUTION

All applicable directions, restrictions, and precautions on the EPA-registered Tilt 45W label are to be followed including statements pertaining to the Worker Protection Standard.

This label must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

Carrots

Tilt 45W Alone for Foliar Disease Control**Leaf Blight (*Cercospora carotae*) and Powdery Mildew (*Erysiphe polygoni*)** - Apply 1 packet (4 oz.) of Tilt 45W per A when conditions favor disease development. Continue applications on a 7-10 day interval, using the shorter interval when disease conditions are severe. If desired, a spreader-sticker may be used with Tilt 45W.Important: To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 oz.) of Tilt 45W per acre per season. (2) Do not apply within 14 days of harvest.

Tilt 45W (EPA File Symbol No. 100-TIN) / Supplemental Labeling
Page 2 of 3

Tilt 45W Plus Chlorothalonil for Foliar Disease Control

Leaf Blights (*Alternaria dauci*, *Cercospora carotae*) and Powdery Mildew (*Erysiphe polygoni*) - Combinations of Tilt 45W with products containing chlorothalonil may be used for leaf blight and powdery mildew control. Apply 1 packet / 2A(2 oz.) of Tilt 45W as a tank mixture with 0.75 lb. active ingredient of chlorothalonil per acre. Begin applications when conditions favor disease development. Continue applications on a 7-10 day spray interval.

Important: For additional information on the correct amount of formulated chlorothalonil product for this tank mixture use, consult the table in the peanut section of the Tilt 45W label. To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 oz.) of Tilt 45W per A per season. (2) Do not apply within 14 days of harvest.

Dry Bulb Onions*, Green Onions **, and Onions Grown for Seed

* - Includes garlic, onions (dry bulb), and shallots (dry bulb)

** - Includes green onions, leeks, spring onions or scallions, Japanese bunching onions, green shallots, or green eschalots

Tilt 45W Alone for Foliar Disease Control

Purple Blotch Control (*Alternaria porri*) and Botrytis Leaf Blight Suppression (*Botrytis squamosa*) - Apply 1-2 packets (4-8 oz.) of Tilt 45W per A in sufficient water to provide through coverage of the plant canopy. Begin applications when conditions favor disease development and continue on a 7-10 day interval. Use the higher rate and shorter interval when disease conditions are severe. To achieve optimum disease control use a wetting agent or spreader-sticker.

Important: To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 oz.) of Tilt 45W per acre per season. (2) Tilt 45W may be applied up to the day of harvest on green onions. (3) Do not apply within 14 days of harvest on dry bulb onions.

Tilt 45W Plus Tank Mixtures for Foliar Disease Control

Purple Blotch (*Alternaria porri*) and Botrytis Leaf Blight (*Botrytis squamosa*) Control - Apply 1 packet / 1-2A (2-4 oz./A) of Tilt 45W in combination with another fungicide registered for control of Botrytis Leaf Blight or Purple Blotch of dry bulb onions, green onions, or onions grown for seed. Foliar applications should be made using sufficient water to provide through coverage of the plant canopy. Begin applications when conditions favor disease development and continue on a 7 day interval. Use the higher rate when disease conditions are severe.

Important: To avoid possible illegal residues: (1) Do not apply more than 4 packets (16 oz.) of Tilt 45W per acre per season. (2) Tilt 45W may be applied up to the day of harvest on green onions. (3) Do not apply within 14 days of harvest on dry bulb onions.

Tilt 45W (EPA File Symbol No. 100-TIN) / Supplemental Labeling
Page 3 of 3

Tilt® trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

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Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC

CGA

END OF DOCUMENT

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐
☒
☐

Registration
Amendment
Other

OPP Identifier Number

236498

Application for Pesticide - Section I

1. Company/Product Number 100-TIR	2. EPA Product Manager Welch	3. Proposed Classification ☐ None ☐ Restricted
4. Company/Product (Name) Orbit™ 45W Fungicide	PM# 21	
5. Name and Address of Applicant (Include ZIP Code) Ciba-Geigy Corporation Ciba Crop Protection Post Office Box 18300 Greensboro, NC 27419 ☐ Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

☒ Amendment - Explain below.	☐ Final printed labels in response to Agency letter dated _____
☐ Resubmission in response to Agency letter dated _____	☐ "Me Too" Application.
☐ Notification - Explain below.	☐ Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Requesting registration for use of Orbit 45W on berries.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging ☐ Yes* ☒ No	Unit Packaging ☐ Yes ☒ No	Water Soluble Packaging ☒ Yes ☐ No		☐ Metal	
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container	☐ Plastic	
		4 oz.	5	☐ Glass	
				☒ Paper	
				☐ Other (Specify) _____	
3. Location of Net Contents Information ☒ Label ☐ Container		4. Size(s) Retail Container 4 oz. x 5		5. Location of Label Directions ☒ On Label ☐ On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product ☐ Lithograph ☐ Paper glued ☐ Stenciled		☒ Other Pressure Sensitive			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Gregory R. Watson		Title Senior Regulatory Manager		Telephone No. (Include Area Code) (910) 632-2993	
Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment, or both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Senior Regulatory Manager			
4. Typed Name Gregory R. Watson		5. Date August 29, 1995			

SUPPLEMENTAL LABELING

(Note: 4 oz. packet size)

Page 1 of 2

ORBIT™ 45W FUNGICIDE
EPA FILE SYMBOL NO. 100-TIR
FOR USE ON BERRIES

Active Ingredient: Propiconazole:

1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-

2-yl)methyl]-1H-1,2,4-triazole 45%

Inert Ingredients: 55%

Total 100%

KEEP OUT OF REACH OF CHILDREN.

CAUTION

All applicable directions, restrictions, and precautions on the EPA-registered Orbit 45W label are to be followed including statements pertaining to the Worker Protection Standard.

This label must be in the possession of the user at the time of pesticide application.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

BerriesBlueberries:

Orbit 45W can be applied by either aerial or ground equipment. For best results, sufficient water volume should be used to provide thorough and uniform plant coverage. When using aerial application a minimum of 5-10 gals./A is recommended. With ground equipment a minimum of 20-50 gals./A is recommended.

Mummyberry disease (*Monilinia vaccinicorymbosi*) - Apply 3 packets / 2 A (6 oz./A) of Orbit 45W at leaf bud break and repeat in 7-10 days. Make a third application at pink bud and repeat in 7-10 days in early bloom. Make a fifth application between full bloom and early petal fall.

Orbit 45W (EPA FILE SYMBOL No. 100-TIR) / Supplemental Labeling
Page 2 of 2

Leaf and Stem Spot (*Septoria albopunctata*) and **Rust** (*Pucciniastrum vaccinii*) - Apply 3 packets / 2 A (6 oz./A) of Orbit 45W beginning when conditions favor disease development. Repeat applications on a 4-week spray interval.

Important: To avoid possible illegal residues: (1) Do not apply more than 30 oz. Orbit 45W per acre per season. (2) Do not apply within 30 days of harvest.

Blackberry*, Elderberry, Huckleberry, Loganberry, Raspberry (Black and Red)

* - Includes bingleberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, himalayaberry, hullberry, lavacaberry, lowberry, lucretiberry, mammoth blackberry, marion berry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry.

Leaf and Cane Spot: Apply 3 packets / 2 A (6 oz./A) of Orbit 45W as a delayed dormant spray after training in the spring. Repeat this application in the late spring, again at bud break, and again once flowering had begun. A total of 5 applications using the 3 packets / 2 A (6 oz./A) rate may be applied.

Powdery Mildew: Apply 3 packets / 2 A (6 oz./A) of Orbit 45W at 5 to 10% bloom. Repeat this application at full bloom, and on a 14 day interval while conditions are favorable for disease development. A total of 5 applications using the 3 packets / 2 A (6 oz./A) rate may be applied.

Currant, Gooseberry

Leaf Spot: Apply 3 packets / 2 A (6 oz./A) of Orbit 45W per A just after harvest. Repeat this application prior to bloom and after petal fall. A total of 5 applications using the 3 packets / 2 A (6 oz./A) rate may be applied.

Important: To avoid possible illegal residues: (1) Do not apply more than 30 oz. Orbit 45W per acre per season. (2) Do not apply within 30 days of harvest.

Orbit™ trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

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Ciba Crop Protection
Ciba-Geigy Corporation
Greensboro, NC

CGA

45WPMTR.XLS

DATA REQUIREMENT FOR THE SELECTIVE METHOD OF SUPPORT

1. PRODUCT NAME: TILT 45W FUNGICIDE, ORBIT 45W FUNGICIDE		2. EPA REG. NO./FILE SYMBOL 100-TIN, 100-TIR		3. FORMULATOR'S EXEMPTION SELECTED. YES ☐ NO ☒		4. PAGE 1 OF 3	
5. APPLICANT'S NAME AND ADDRESS: Ciba Crop Protection Ciba-Geigy Corporation P.O. Box 18300 Greensboro, N.C. 27419		6. APPLICATION FOR REGISTRATION DATE: 08/29/95 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): PROFICONAZOLE (EPA REG. NO. 100-618)			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT					
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEXT	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
10. MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER							
S158.150	PRODUCT CHEMISTRY						
61-1	Identity of ingredients	YES	05/15/95				43655601
61-2	Statement of composition	YES	05/15/95				43655601
61-3	Discussion of formation of ingredients	YES	05/15/95				43655601
62-2	Certification of limits	YES	05/15/95				43655601
62-3	Analytical method	YES	05/15/95				43655601
63							
63-2	Color	YES	05/15/95				43655601
63-3	Physical state	YES	05/15/95				43655601
63-4	Odor	YES	05/15/95				43655601
63-7	Density, bulk-density, or specific gravity	YES	05/15/95				43655601
63-12	pH	YES	05/15/95				43655601
63-14	Oxidizing/reducing reaction	YES	05/15/95				43655601
63-16	Explosibility	YES	05/15/95				43655601
63-17	Storage stability	YES	05/15/95				43655601
63-20	Corrosion characteristics	YES	05/15/95				43655601

45WPMTR.XLS

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5. APPLICANT'S NAME AND ADDRESS: Ciba Crop Protection Ciba-Geigy Corporation P.O. Box 18300 Greensboro, N.C. 27419		6. APPLICATION FOR REGISTRATION DATE: 08/29/95 MO DAY YR		7. NAME OF ACTIVE INGREDIENT(S): PROPICONAZOLE (EPA REG. NO. 100-618)			
8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT				10.	
8a. REGULATION PART 158/ GUIDELINE NUMBER	8b. NAME OF TEXT	9a. SUBMITTED BY APPLICANT	9b. DATE SUBMITTED	9c. SUBMITTED BY ANOTHER PERSON/FIRM (NAME)	9d. PERMISSION LETTER ENCLOSED	9e. PUBLIC LITERATURE	9f. N.A. OR WAIVER OR OTHER (EXPLAIN)
\$158.140	Toxicology						MRID NUMBER EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
NA	Summary of Acute Studies	YES	05/15/95				ADMIN
NA	CHARACTERIZATION REPORTS OF TILT 45W TEST SUBSTANCES USED IN TOXICOLOGICAL STUDIES	YES	05/15/95				43655602
81-1	Acute Oral LD-50 - rat	YES	05/15/95				43655603
81-2	Acute dermal LD-50	YES	05/15/95				43655604
81-3	Acute inhalation LC-50 - rat	YES	05/15/95				43655605
81-4	Primary eye irritation - rabbit	YES	05/15/95				43655606
81-5	Primary dermal irritation	YES	05/15/95				43655607
81-6	Dermal sensitization	YES	05/15/95				43655608

END OF DOCUMENT



13544

R062567

Chemical:	Propiconazole
PC Code:	122101
HED File Code	11500 Petition Files Chemistry
Memo Date:	06/18/2003 12:00:00 AM
File ID:	DPD219664
Accession Number:	412-04-0137

HED Records Reference Center
06/28/2004