

Acceptability

Remarks

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

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[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

7.5 Effects on terrestrial organisms

7.5.1 Terrestrial toxicity, initial tests

7.5.1.1 Inhibition to microbiological activity

Section A7.5.1.1/01 Inhibition to microbial activity (terrestrial)

Annex Point IIA7.4

1 Reference

1.1 Reference

[REDACTED]

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company, Ltd.

1.2.2

1.2.3 Criteria for data protection

Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study

Yes

No OECD guidelines available then, but methods used comparable to Dutch guidelines for registering pesticides (Formulier A, H4.1: Invloed op bodemademhaling en stikstofomzettingen), modified May 1983

Official
use only

2.2 GLP

[REDACTED]

2.3 Deviations

[REDACTED]

3 Materials and Methods

3.1 Test material

[REDACTED]

3.1.1 Lot/Batch number

[REDACTED]

3.1.2 Specification

[REDACTED]

3.1.3 Purity

[REDACTED]

3.1.4 Composition of Product

[REDACTED]

3.1.5 Further relevant properties

[REDACTED]

3.1.6 Method of analysis

[REDACTED]

3.2 Reference substance

[REDACTED]

3.2.1 Method of analysis for reference substance

[REDACTED]

3.3 Testing procedure

3.3.1 Soil sample / inoculum / test organism

[REDACTED]

3.3.2 Test system

[REDACTED]

3.3.3 Application of TS

[REDACTED]

3.3.4 Test conditions

[REDACTED]

3.3.5 Test parameter

Soil respiration was measured as carbon dioxide evolution (absolute method) in the dark at $20 \pm 2^\circ\text{C}$

3.3.6 Analytical parameter

[REDACTED]

3.3.7 Duration of the test

30 days

3.3.8 Sampling

The CO₂-evolution was analyzed every second hour. The reported table lists values measured every 24 hours over a period of 30 days

3.3.9 Monitoring of TS concentration

[REDACTED]

3.3.10 Controls

The test included 12 treatment groups: [REDACTED]

3.3.11 Statistics Not applicable

4 Results

4.1 Range finding test Not performed

4.1.1 Concentration Not applicable

4.1.2 Effect data Not applicable

4.2 Results test substance Non-entry field

4.2.1 Initial concentrations of test substance 0.0, 1.4 and 14.0 mg/ kg soil

4.2.2 Actual concentrations of test substance Not applicable

4.2.3 Growth curves Not applicable

4.2.4 Cell concentration data Not applicable

4.2.5 Concentration/ response curve Not applicable

4.2.6 Effect data

4.2.7 Other observed effects

4.3 Results of controls

4.4 Test with reference substance Not performed

4.4.1 Concentrations Not applicable

4.4.2 Results Not applicable

5 Applicant's Summary and conclusion

5.1 Materials and methods Soil respiration was measured as carbon dioxide evolution (absolute method) in the dark at 20 ±2°C.

12 treatment groups:

The test included

The test was conducted according to the Dutch guidelines for registering pesticides (Formulier A, H4.1: Invloed op bodemademhaling en



Comments from ...

Date

Materials and Methods

Results and discussion

Conclusion

Reliability

Acceptability

Remarks

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
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[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Section A7.5.1.1/02
Annex Point IIA7.4

Inhibition to microbial activity (terrestrial)

Official
use only

1.1 Reference

[REDACTED]

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company, Ltd.

1.2.2

1.2.3 Criteria for data protection

Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study

Yes

No OECD guidelines available then, but methods used compliant with Dutch guidelines for registering pesticides (Formulier A, H4.1: Invloed op bodemademhaling en stikstofomzettingen), modified May 1983

2.2 GLP

Yes

2.3 Deviations

No

3 Materials and Methods

3.1 Test material

[REDACTED]

3.1.1 Lot/Batch number

[REDACTED]

3.1.2 Specification

[REDACTED]

3.1.3 Purity

[REDACTED]

3.1.4 Composition of Product

[REDACTED]

3.1.5 Further relevant properties

[REDACTED]

3.1.6 Method of analysis

[REDACTED]

3.2 Reference substance	None
3.2.1 Method of analysis for reference substance	Not applicable
3.3 Testing procedure	
3.3.1 Soil sample / inoculum / test organism	[REDACTED]
3.3.2 Test system	[REDACTED]
3.3.3 Application of TS	[REDACTED]
3.3.4 Test conditions	[REDACTED]
3.3.5 Test parameter	Inhibition of microbial nitrogen transformation
3.3.6 Analytical parameter	NH ₄ and NO ₃ measurement
3.3.7 Duration of the test	42 days (6 weeks)
3.3.8 Sampling	Weekly / bi-weekly (Days 0, 7, 14, 28, 42)
3.3.9 Monitoring of TS concentration	[REDACTED]
3.3.10 Controls	Two controls without test substance for each test soil (sandy soil or loamy soil)
3.3.11 Statistics	Not applicable

4 Results

4.1 Range finding test	Not performed
4.1.1 Concentration	Not applicable
4.1.2 Effect data	Not applicable
4.2 Results test substance	Non-entry field
4.2.1 Initial concentrations of test substance	0.0, 1.4 and 14.0 mg/ kg soil
4.2.2 Actual concentrations of test substance	Not applicable
4.2.3 Growth curves	Not applicable
4.2.4 Cell concentration data	Not applicable
4.2.5 Concentration/ response curve	Not applicable
4.2.6 Effect data	[REDACTED]

4.2.7 Other observed effects

4.3 Results of controls

4.4 Test with reference substance

4.4.1 Concentrations

4.4.2 Results

5 Applicant's Summary and conclusion

5.1 Materials and methods

The effect of pyriproxyfen on nitrogen transformations in soil was studied using two soil types according to the Dutch guideline H4.1, see below. Ammonification and nitrification as parts of the soil nitrogen transformation process were evaluated by measuring the amounts of ammonium, nitrite and nitrate in soil that previously had been enriched by adding lucerne meal. Two treatment rates (1.4 and 14.0 mg/kg soil) and a control were tested

The test was conducted according to the Dutch guidelines for registering pesticides (Formulier A, H4.1: Invloed op bodemademhaling en stikstofomzettingen), modified May 1983. Deviations were not reported

5.2 Results and discussion

NH₄, NO₂ and NO₃ measurement data did not indicate any effect on the release of ammonium from Lucerne meal and the transformation into nitrate up to and including 14.0 mg/kg soil

5.2.1 NOEC

≥14.0 mg/kg soil

5.2.2 EC₁₀

Not determined

5.2.3 EC₅₀

>14.0 mg/kg soil

5.3 Conclusion

The approach to enrich soil with lucerne meal and to monitor NH₄, NO₂ and NO₃ was adopted by the recent guideline (OECD 216) as well, allowing an up-to date assessment. The test was performed with two different soil types, the current guideline requires only one soil. The results of controls indicate concentrations in the expected range of soil amended with lucerne meal, and the differences between controls and treatment rates reflect natural variability; a significant impact of pyriproxyfen on the nitrogen transformation processes can be ruled out

5.3.1 Reliability

5.3.2 Deficiencies

Evaluation by Competent Authorities

Use separate "evaluation boxes" to provide transparency as to the comments and views submitted

Evaluation by Rapporteur Member State

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

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[REDACTED]

[REDACTED]

377 / 514

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

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[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Section A7.5.1.1/03 Annex Point IIA 7.4	Inhibition to microbial activity (terrestrial)	
	1 Reference	Official use only
1.1 Reference	[REDACTED]	
1.2 Data protection	Yes	
1.2.1 Data owner	Sumitomo Chemical Co., Ltd	
1.2.3 Criteria for data protection	Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I	
	2 Guidelines and Quality Assurance	
2.1 Guideline study	Yes. OECD 216 and OECD 217	
2.2 GLP	[REDACTED]	
2.3 Deviations	[REDACTED]	
	3 Materials and Methods	
3.1 Test material	[REDACTED]	

3.1.1 Lot/Batch number	[REDACTED]	
3.1.2 Specification	[REDACTED]	
3.1.3 Purity	[REDACTED]	
3.1.4 Composition of Product	[REDACTED]	
3.1.5 Further relevant properties	[REDACTED]	
3.1.6 Method of analysis	[REDACTED]	
3.2 Reference substance	Yes, Dinoseb acetate	
3.2.1 Method of analysis for reference substance	[REDACTED]	
3.3 Testing procedure		
3.3.1 Soil sample	[REDACTED]	
3.3.2 Test system	[REDACTED]	
3.3.3 Application of TS	[REDACTED]	
3.3.4 Test conditions	[REDACTED]	
3.3.5 Test parameter	Inhibition of carbon transformation (respiration) and inhibition of nitrogen transformation (nitrification)	
3.3.6 Analytical parameter	Carbon transformation test: CO ₂ production rate (based on oxygen consumption) Nitrogen transformation test: ammonium, nitrite and nitrate concentrations	
3.3.7 Duration of the test	Carbon transformation test : 28 days Nitrogen transformation test: 46 days	
3.3.8 Sampling	Carbon transformation test: Soil was sampled on days 0, 7, 14 and 28 Nitrogen transformation test: Soil was sampled on days 0, 7, 14, 28 and 46	
3.3.9 Monitoring of TS concentration	[REDACTED]	
3.3.10 Controls	Yes. Control soil that contained no test item was prepared.	
3.3.11 Statistics	[REDACTED]	

4 Results and Discussion		
4.1 Range finding test	[REDACTED]	
4.1.1 Concentration	[REDACTED]	
4.1.2 Effect data	[REDACTED]	
4.2 Results test substance		
4.2.1 Initial concentrations of test substance	0.30 and 1.5 mg a.i./ kg dry soil	
4.2.2 Actual concentrations of test substance	Not applicable	
4.2.3 Growth curves	Not applicable	
4.2.4 Cell concentration data	Not applicable	
4.2.5 Concentration/ response curve	Not applicable	
4.2.6 Effect data	[REDACTED]	
4.2.7 Other observed effects	[REDACTED]	
4.3 Results of controls	[REDACTED]	

4.4 Test with reference substance	Performed with dinoseb acetate	
4.4.1 Concentrations		
4.4.2 Results		
	5 Applicant's Summary and conclusion	
5.1 Materials and methods	<p>The study to determine the effect of pyriproxyfen on soil microflora activity was performed in accordance with OECD guidelines 216 and 217.</p> <p>Loamy sans soil was collected from a meadow site</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	
5.2 Results and discussion	The microbial respiration levels of the treated soil samples were not significantly different when compared to the control soil and showed	

	<p>less than 25% deviation after 28 days incubation.</p> <p>The results of the nitrogen transformation study indicated that the loamy sand microflora transformed Lucerne meal-bound nitrogen into nitrate-bound nitrogen without a significant accumulation of nitrite or ammonium. Nitrate levels showed less than 25% deviation from the control after 46 days incubation.</p> <p>The nitrate transformation rates and the incremental nitrate transformation rates of the treated soils were not significantly different from those of the control soil after 46 days incubation.</p>	
5.2.1 NOEC	>1.5 mg a.i./kg dry soil	
5.2.2 EC ₁₀	Not applicable	
5.2.3 EC ₅₀	> 1.5 mg a.i./kg dry soil	
5.3 Conclusion	<p>The variation between the replicate control samples was less than 15% at all sampling intervals for both the respiration rate and nitrate concentration tests. The results for the reference study with dinoseb acetate demonstrate that the methods used in this study were appropriate.</p> <p>The deviations in respiration rate and nitrate levels after 28 days were lower than the guideline trigger value of 25%. Changes to the nitrate transformation rates were transient and not dose-dependent.</p> <p>It can be concluded that pyriproxyfen had no lasting effects on the respiration and nitrification processes of soil microflora at the concentrations tested.</p>	
5.3.1 Reliability	■	
5.3.2 Deficiencies	■	
Evaluation by Competent Authorities		
Evaluation by Rapporteur Member State		
■	■	
■	■	
■	■	
■	■	
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[REDACTED]	[REDACTED]
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[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
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[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

7.5.1.2 Earthworm, acute toxicity test

Section A7.5.1.2 Earthworm, acute toxicity test
 Annex Point IIIA XIII 3.2

1 Reference

1.1 Reference

[Redacted]

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company Ltd.

1.2.3 Criteria for data

Data submitted to the MS after 13 May 2000 on existing a.s. for the

Official use only

protection purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study

Yes

OECD Guideline 207

2.2 GLP

■

2.3 Deviations

■

3 Method

3.1 Test material

■

3.1.1 Lot/Batch number

■

3.1.2 Specification

■

3.1.3 Purity

■

3.1.4 Composition of Product

■

3.1.5 Further relevant properties

■

3.1.6 Method of analysis

■

3.2 Reference substance

■

3.2.1 Method of analysis for reference substance

■

3.3 Testing procedure

3.3.1 Preparation of the test substance

■

3.3.2 Application of the test substance

■

3.3.3 Test organisms

■

3.3.4 Test system

■

3.3.5 Test conditions

■

3.3.6 Test duration

14 days

3.3.7 Test parameter

Mortality

3.3.8 Examination Examinations at 7 and 14 days

3.3.9 Monitoring of test substance concentration

3.3.10 Statistics

4 Results

4.1 Filter paper test

Not performed

4.1.1 Concentration

Not applicable

4.1.2 Number/ percentage of animals showing adverse effects

Not applicable

4.1.3 Nature of adverse effects

Not applicable

4.2 Soil test

4.2.1 Initial concentrations of test substance

0, 62.5, 125, 250, 500, 1000 mg/kg dry weight soil

4.2.2 Effect data (Mortality)

4.2.3 Concentration / effect curve

4.2.4 Other effects

4.3 Results of controls

4.3.1 Mortality



















4.3.2 Number/ percentage of earthworms showing adverse effects

4.3.3 Nature of adverse effects









4.4 Test with reference substance


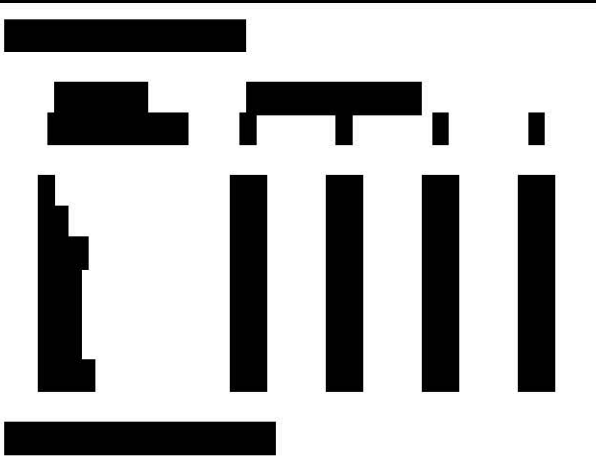






[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED] [REDACTED] [REDACTED] [REDACTED]


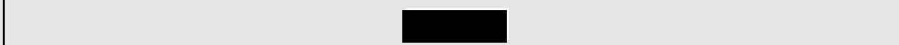









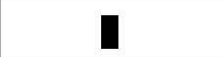









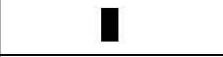




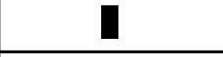

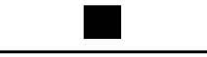


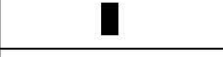







	
	
	
	
	
	
	
	
	











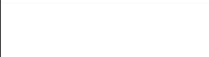



	
	
	
	
	







	■	■
	■	

7.5.1.3 Terrestrial plant toxicity

Section A7.5.1.3 Terrestrial plant toxicity Annex Point IIIA XIII 3.4

1 Reference

1.1 Reference

[Redacted]

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company Ltd

1.2.2

1.2.3 Criteria for data protection

Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study

No (Data requirement: Council Directive 91/414/EC, Annex IIA, Point 8.6)

2.2 GLP

[Redacted]

2.3 Deviations

[Redacted]

3 Method

3.1 Test material

[Redacted]

3.1.1 Lot/Batch number

[Redacted]

3.1.2 Specification

[Redacted]

3.1.3 Purity

[Redacted]

3.1.4 Composition of Product

[Redacted]

3.1.5 Further relevant properties

[Redacted]

3.1.6 Method of analysis

[Redacted]

Official use only

3.2 Preparation of TS solution for poorly soluble or volatile test substances

[REDACTED]

3.3 Reference substance

[REDACTED]

3.3.1 Method of analysis for reference substance

3.4 Testing procedure

[REDACTED]

3.4.1 Dilution water

[REDACTED]

3.4.2 Test plants

[REDACTED]

3.4.3 Test system

[REDACTED]

3.4.4 Test conditions

[REDACTED]

3.4.5 Test duration

19 days

3.4.6 Test parameter

Herbicidal activity

3.4.7 Sampling

[REDACTED]

3.4.8 Method of analysis of the plant material

[REDACTED]

3.4.9 Quality control

3.4.10 Statistics

[REDACTED]

4 Results

4.1 Results test substance

4.1.1 Applied initial concentration

[REDACTED]

4.1.2 Phytotoxicity rating

[REDACTED]

4.1.3 Plant height

[REDACTED]

4.1.4 Plant dry weights

[REDACTED]

4.1.5 Root dry weights

[REDACTED]

4.1.6 Root length

[REDACTED]

4.1.7 Number of dead plants

[REDACTED]

4.1.8 Effect data

[REDACTED]

4.1.9 Concentration / response curve

[REDACTED]

4.1.10 Other effects

[REDACTED]

4.2 Results of controls

4.2.1 Number/ percentage of plants showing adverse effects

[REDACTED]

4.2.2 Nature of adverse effects

[REDACTED]

4.3 Test with reference substance

[REDACTED]

4.3.1 Concentrations

[REDACTED]

4.3.2 Results

[REDACTED]

5 Applicant's Summary and conclusion

5.1 Materials and methods

Test plants were cultivated in a greenhouse 30°C (by day) and 25°C (by night). Seeds were sown in plastic pots 10 cm diameter. Pyriproxyfen was applied at a dose rate of 8000g a.i./ha to test plants (one pot per species with no replication) at post emergence (as foliar application 7 days after seeding). Herbicidal activity was visually evaluated on a scale of 0 (no injury) to 10 (complete kill), 19 days after treatment

5.2 Results and discussion

In post-mergence application, pyriproxyfen showed very weak activity on barnyard grass, velvet leaf and radish at 8000 g a.i./ha. No activity was observed on oats

5.2.1 EC₂₀

Not applicable

5.2.2 EC₅₀

Not applicable

5.2.3 EC₈₀

Not applicable

5.3 Conclusion

Pyriproxyfen did not show any remarkable herbicidal activities to the tested plants at 8000 g a.i./ha

5.3.1 Reliability

[REDACTED]

5.3.2 Deficiencies

[REDACTED]

Evaluation by Competent Authorities

Use separate "evaluation boxes" to provide transparency as to the comments and views submitted

Evaluation by Rapporteur Member State

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	Green house
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]				
[REDACTED]	[REDACTED]			
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]







[REDACTED]

7.5.2 Terrestrial tests, long-term tests

7.5.2.1 Reproduction Studies with other soil non-target macro-organisms







The risk assessment to the terrestrial compartment based on the results of the acute toxicity tests demonstrates an acceptable risk to terrestrial non-target organisms. Long term tests on terrestrial organisms are therefore not necessary.

Evaluation by Competent Authorities	
Use separate "evaluation boxes" to provide transparency as to the comments and views submitted	
Evaluation by Rapporteur Member State	
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

	
	█
	
	█
Comments from ...	
Date	
Materials and Methods	
Results and discussion	
Conclusion	
Reliability	
Acceptability	
Remarks	

7.5.2.2 Long-term tests with terrestrial plants

The risk assessment to the terrestrial compartment based on the results of the acute toxicity tests demonstrates an acceptable risk to terrestrial non-target organisms. Long term tests on terrestrial organisms are therefore not necessary.

Evaluation by Competent Authorities	
Use separate "evaluation boxes" to provide transparency as to the comments and views submitted	
Evaluation by Rapporteur Member State	
	
	█
	█
	

Comments from ...	
Date	
Materials and Methods	
Results and discussion	
Conclusion	
Reliability	
Acceptability	
Remarks	

7.5.3 Effect on Birds

7.5.3.1 Acute oral toxicity to birds

Section A7.5.3.1/01 Acute oral toxicity on birds
Annex Point IIIA XIII 1.1

1 Reference

1.1 Reference

(1989)

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company Ltd.

1.2.2

-

1.2.3 Criteria for data protection

Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study

Yes

US EPA Assessment Guidelines; Series 71- Avian and mammalian

Official use only

testing No 71-1 Avian single-dose oral LD₅₀ test

2.2 GLP

[REDACTED]

2.3 Deviations

[REDACTED]

3 Method

3.1 Test material

[REDACTED]

3.1.1 Lot/Batch number

[REDACTED]

3.1.2 Specification

[REDACTED]

3.1.3 Purity

[REDACTED]

3.1.4 Composition of Product

[REDACTED]

3.1.5 Further relevant properties

[REDACTED]

3.1.6 Method of analysis in the diet

[REDACTED]

3.2 Administration of the test substance

[REDACTED]

3.3 Reference substance

[REDACTED]

3.3.1 Method of analysis for reference substance

[REDACTED]

3.4 Testing procedure

3.4.1 Test organisms

[REDACTED]

3.4.2 Test system

[REDACTED]

3.4.3 Diet

[REDACTED]

[REDACTED]

3.4.4 Test conditions

[REDACTED]

3.4.5 Duration of the test

14 days from dosing.

3.4.6 Test parameter

Mortality

3.4.7 Examination / Observation Bird health and mortality observed daily
Individual bodyweights measured at -14, -7, 0, 7 and 14 days.

3.4.8 Statistics [REDACTED]

4 Results

4.1 Limit Test / Range finding test Performed

4.1.1 Concentration [REDACTED]

4.1.2 Number/ percentage of animals showing adverse effects [REDACTED]

4.1.3 Nature of adverse effects [REDACTED]

4.2 Results test substance

4.2.1 Applied concentrations 500, 1000 and 2000mg/kg bw

4.2.2 Effect data (Mortality) [REDACTED]

4.2.3 Body weight [REDACTED]

4.2.4 Feed consumption [REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

4.2.5 Concentration / response curve

[REDACTED]

4.2.6 Other effects

[REDACTED]

4.3 Results of controls

4.3.1 Number/ percentage of animals showing adverse effects

[REDACTED]

4.3.2 Nature of adverse effects

[REDACTED]

4.4 Test with reference substance

[REDACTED]

4.4.1 Concentrations

[REDACTED]

4.4.2 Results

[REDACTED]

5 Applicant's Summary and conclusion

5.1 Materials and methods

The study was conducted according to EPA Guideline series 71- Avian and mammalian testing § 71-1 Avian single dose LD₅₀

[REDACTED]

5.2 Results and discussion

There was no treatment related mortality observed in the study.

5.2.1 LD₅₀

>2000mg/kg

5.3 Conclusion

The validity criteria for this study were fulfilled. The study indicates that pyriproxyfen [REDACTED] is not toxic to birds

5.3.1 Reliability

[REDACTED]

5.3.2 Deficiencies

[REDACTED]

Section A7.5.3.1/02 Acute oral toxicity on birds
Annex Point IIIA XIII 1.1

1 Reference

Official
use only

1.1 Reference

[Redacted]

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company Ltd.

1.2.2

-

1.2.3 Criteria for data protection

Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study

Yes

US EPA Assessment Guidelines; Series 71- Avian and mammalian testing No 71-1 Avian single-dose oral LD₅₀ test

2.2 GLP

[Redacted]

2.3 Deviations

[Redacted]

3 Method

3.1 Test material

[Redacted]

3.1.1 Lot/Batch number

[Redacted]

3.1.2 Specification

[Redacted]

3.1.3 Purity

[Redacted]

3.1.4 Composition of Product

[Redacted]

3.1.5 Further relevant properties

[Redacted]

3.1.6 Method of analysis in the diet

[Redacted]

3.2 Administration of the test substance

[Redacted]

3.3 Reference substance No

3.3.1 Method of analysis for reference substance Not applicable

3.4 Testing procedure

3.4.1 Test organisms [REDACTED]

3.4.2 Test system [REDACTED]

3.4.3 Diet [REDACTED]

3.4.4 Test conditions [REDACTED]

3.4.5 Duration of the test 14 days pre dosing, 14 days post dosing

3.4.6 Test parameter Mortality

3.4.7 Examination / Observation Bird health and mortality observed daily.

Individual bodyweights measured at -14, -7, 0, 7 and 14 days.

3.4.8 Statistics [REDACTED]

4 Results

4.1 Limit Test / Range finding test Performed

4.1.1 Concentration [REDACTED]

4.1.2 Number/ percentage of animals showing adverse effects [REDACTED]

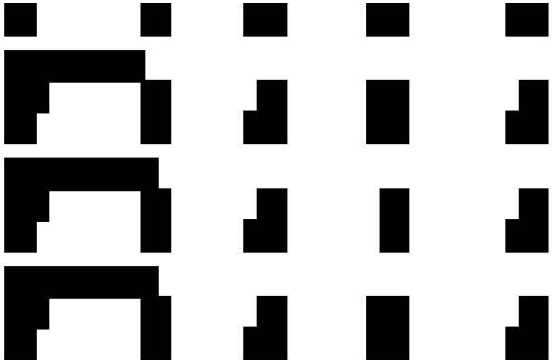




4.1.3 Nature of adverse effects [REDACTED]

4.2 Results test substance

4.2.1 Applied concentrations 500, 1000 and 2000 (mg/kg bw)

4.2.2 Effect data (Mortality) [REDACTED]

4.2.3 Body weight [REDACTED]



[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]

7.5.3.2 Short-term toxicity on birds

Section A7.5.3.2/01 Short-term toxicity to birds
 Annex Point IIIA XIII 1.2

1 Reference

1.1 Reference

[REDACTED]

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company Ltd.

Official
 use only

1.2.2 -
1.2.3 Criteria for data protection Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study Yes
US EPA Pesticide Assessment Guideline § 71-2, Avian dietary LC₅₀ Test

2.2 GLP [REDACTED]

2.3 Deviations [REDACTED]

3 Method

3.1 Test material [REDACTED]

3.1.1 Lot/Batch number [REDACTED]

3.1.2 Specification [REDACTED]

3.1.3 Purity [REDACTED]

3.1.4 Composition of Product [REDACTED]

3.1.5 Further relevant properties -

3.1.6 Method of analysis [REDACTED]

3.2 Administration of the test substance [REDACTED]

3.3 Reference substance No

3.3.1 Method of analysis for reference substance Not applicable

3.4 Testing procedure

3.4.1 Test organisms [REDACTED]

3.4.2 Test system [REDACTED]

3.4.3 Diet [REDACTED]

3.4.4 Test conditions [REDACTED] 04

- 3.4.5 Duration of the test 8 days.
- 3.4.6 Test parameter Mortality
- 3.4.7 Examination / Observation Mortality and clinical observations were made daily. Group mean body weights were observed on days -3, 0 (immediately prior to the introduction of test diets), 5 and 8. Group mean food consumption was observed between days -3 to 0, daily on days 1 to 5 and between days 6 to 8

3.4.8 Statistics [REDACTED]

4 Results

4.1 Limit Test / Range finding test Performed

4.1.1 Concentration / dose [REDACTED]

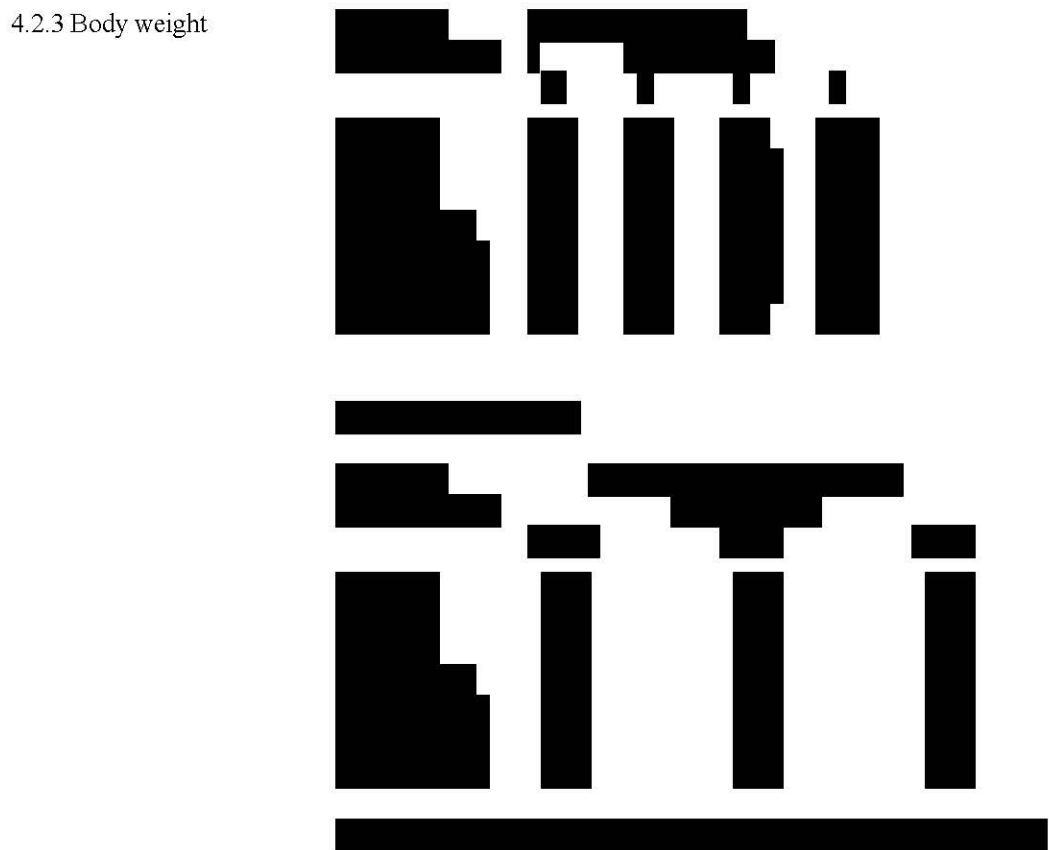
4.1.2 Number/ percentage of animals showing adverse effects [REDACTED]

4.1.3 Nature of adverse effects [REDACTED]

4.2 Results test substance

4.2.1 Applied concentrations 0 (Control), 650, 1300, 2600, 5200 mg/kg food

4.2.2 Effect data (Mortality) [REDACTED]



4.2.4 Food consumption

[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]	[Redacted]

4.2.5 Concentration / response curve

[Redacted]

4.2.6 Other effects

[Redacted]

4.3 Results of controls

4.3.1 Number/ percentage of animals showing adverse effects

[Redacted]

4.3.2 Nature of adverse effects

[Redacted]

4.4 Test with reference substance

[Redacted]

4.4.1 Concentrations

[Redacted]

4.4.2 Results

[Redacted]

5 Applicant's Summary and conclusion

5.1 Materials and methods

This study was conducted according to US EPA Pesticide Assessment Guideline § 71-2, Avian dietary LC₅₀ Test. [Redacted]

[Redacted]

5.2 Results and discussion	No adverse effects were seen in any of the treatment groups
5.2.1 LC ₀	5200 mg/kg
5.2.2 LC ₅₀	>5200 mg/kg
5.2.3 LC ₁₀₀	>5200 mg/kg
5.3 Conclusion	The validity criteria in Table A7.5.3.2-05 are all met. The result indicates that pyriproxyfen [REDACTED] is of low toxicity to the Mallard duck
5.3.1 Reliability	█
5.3.2 Deficiencies	█

Evaluation by Competent Authorities	
Use separate "evaluation boxes" to provide transparency as to the comments and views submitted	
Evaluation by Rapporteur Member State	
█	█
█	█
█	█
█	█
█	█
█	█
█	█
█	█
█	█
Comments from ...	
Date	
Materials and Methods	
Results and discussion	
Conclusion	
Reliability	
Acceptability	
Remarks	

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]
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[REDACTED]	■	
[REDACTED]	■	
[REDACTED]	■	

Section A7.5.3.2/02 Short-term toxicity on birds
Annex Point IIIA XIII 1.2

1 Reference

Official use only

1.1 Reference

[REDACTED]

1.2 Data protection

Yes

1.2.1 Data owner

Sumitomo Chemical Company Ltd.

1.2.2

-

1.2.3 Criteria for data protection

Data submitted to the MS after 13 May 2000 on existing a.s. for the purpose of its entry into Annex I

2 Guidelines and Quality Assurance

2.1 Guideline study

Yes

US EPA Pesticide Assessment Guideline § 71-2, Avian dietary LC₅₀ Test.

2.2 GLP

[REDACTED]

2.3 Deviations

■

3 Method

3.1 Test material

[REDACTED]

3.1.1 Lot/Batch number

[REDACTED]

3.1.2 Specification

[REDACTED]

3.1.3 Purity

[REDACTED]

3.1.4 Composition of Product

[REDACTED]

3.1.5 Further relevant properties

[REDACTED]

3.1.6 Method of analysis

[REDACTED]

3.2 Administration of the test substance

3.3 Reference substance

No

3.3.1 Method of analysis for reference substance

Not applicable

3.4 Testing procedure

3.4.1 Test organisms

3.4.2 Test system

3.4.3 Diet

3.4.4 Test conditions

3.4.5 Duration of the test

11 days

3.4.6 Test parameter

Mortality

3.4.7 Examination / Observation

Mortality and clinical observations were made daily. Group mean body weights were observed on days -3, 0 (immediately prior to the introduction of test diets), 5 and 8. Group mean food consumption was observed between days -3 to 0, daily on days 1 to 5 and between days 6 to 8

3.4.8 Statistics

4 Results

4.1 Limit Test / Range finding test

Performed

4.1.1 Concentration / dose

4.1.2 Number/ percentage of animals showing adverse effects

4.1.3 Nature of adverse effects

4.2 Results test substance

4.2.1 Applied concentrations 0, 650, 1300, 2600 and 5200 mg/kg food

4.2.2 Effect data (Mortality)

4.2.3 Body weight

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

4.2.4 Food consumption

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]

4.2.5 Concentration /
response curve

[REDACTED]

4.2.6 Other effects

[REDACTED]

4.3 Results of controls

4.3.1 Number/ percentage of animals showing adverse effects [REDACTED]

4.3.2 Nature of adverse effects [REDACTED]

4.4 Test with reference substance [REDACTED]

4.4.1 Concentrations [REDACTED]

4.4.2 Results [REDACTED]

5 Applicant's Summary and conclusion

5.1 Materials and methods This study was conducted according to US EPA Pesticide Assessment Guideline § 71-2, Avian dietary LC₅₀ Test. [REDACTED]

[REDACTED]

5.2 Results and discussion No mortality was seen in the treatment groups. Animals in the 5200 ppm group showed a reduced rate of food consumption during the treatment period

5.2.1 LC₀ 5200 mg/kg food

5.2.2 LC₅₀ >5200 mg/kg food

5.2.3 LC₁₀₀ Not applicable

5.3 Conclusion The validity criteria [REDACTED] have been met. The result indicates that pyriproxyfen [REDACTED] is of low toxicity to the bobwhite quail

5.3.1 Reliability 1

5.3.2 Deficiencies No

Evaluation by Competent Authorities	
Use separate "evaluation boxes" to provide transparency as to the comments and views submitted	
Evaluation by Rapporteur Member State	
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Comments from ...

Date

Materials and Methods

Results and discussion

Conclusion

Reliability

Acceptability

Remarks

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

[REDACTED]

[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]