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of the United Nations

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**Interim Chemical Review Committee**

Fourth session

Rome, 3 – 7 March 2003

Item 5 a) i of the provisional agenda\*

**INCLUSION OF CHEMICALS IN THE INTERIM PRIOR INFORMED CONSENT  
PROCEDURE - REVIEW OF NOTIFICATIONS OF FINAL REGULATORY ACTIONS  
TO BAN OR SEVERELY RESTRICT A CHEMICAL**

**PARATHION**

**Note from the Secretariat**

1. In line with Article 5 of the Rotterdam Convention, when the Secretariat has received at least one notification from each of two PIC regions, that contain the information required in Annex I of the Convention, it shall forward the notifications and accompanying documentation to the members of the Interim Chemical Review Committee. The Committee shall review the information provided in such notifications and, in accordance with the criteria set out in Annex II, recommend to the Intergovernmental Negotiating Committee whether the chemical in question should be made subject to the interim PIC procedure and a decision guidance document drafted.
2. The Intergovernmental Negotiating Committee, in decision INC.7/6, adopted a process for drafting decision guidance documents. The process is based on that developed by the Interim Chemical Review Committee at its first session in Geneva, February 2000. An excerpt of the decision is contained in document UNEP/FAO/PIC/ICRC.4/INF.5
3. The Secretariat has identified two verified notifications from two PIC regions relating to parathion (South west Pacific – Australia and Europe – European Commission). Summaries of these notifications were included in PIC Circulars XII December 2000 and XVI December 2002 respectively.
4. This note contains the two notifications as they were circulated to the members of the Interim Chemical Review Committee in a letter the week of 25 November 2002 in line with Article 5 of the Convention.

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\* UNEP/FAO/PIC/ICRC.4/1

5. The relevant documentation provided by Australia and the European Community in conjunction with their respective notifications were circulated to members of the Interim Chemical Review Committee with a letter the week of 18 November 2002 and are available as addenda to this note (UNEP/FAO/PIC/ICRC.4/10/Add.1 and UNEP/FAO/PIC/ICRC.4/10/Add.2 respectively).

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## FORM FOR NOTIFICATION OF FINAL REGULATORY ACTION TO BAN OR SEVERELY RESTRICT A CHEMICAL

IMPORTANT: See instructions before filling in the form

COUNTRY: AUSTRALIA

### PART I: PROPERTIES, IDENTIFICATION AND USES

1. IDENTITY OF CHEMICAL		
1.1	<b>Common name</b>	parathion, parathion-ethyl
1.2	<b>Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists</b>	0,0-diethyl 0-4-nitrophenyl phosphorothioate (IUPAC)
1.3	<b>Trade names and names of preparations</b>	Tebing Parathion Insecticide Novafos E Insecticide Farmoz Parathion E Insecticide
1.4 Code numbers		
1.4.1	<b>CAS number</b>	56-38-2
1.4.2	<b>Harmonized System customs code</b>	2920.10.00
1.4.3	<b>Other numbers (specify the numbering system)</b>	UN No. 3018

1.5 Indication regarding previous notification on this chemical, if any	
1.5.1	<input type="checkbox"/> This is a first time notification of final regulatory action on this chemical.
1.5.2	<input checked="" type="checkbox"/> This is a modification of a previous notification of final regulatory action on this chemical. The sections modified are: <u>2.5.2; 2.5.3, Part III</u>
	<input type="checkbox"/> This notification replaces all previously submitted notifications on this chemical.
	Date of issue of the previous notification: <u>8 September 2000</u>

### PLEASE RETURN THE COMPLETED FORM TO:

Interim Secretariat for the Rotterdam Convention  
Plant Protection Service  
Plant Production and Protection Division, FAO  
Viale delle Terme di Caracalla  
00100 Rome, Italy

OR

Interim Secretariat for the Rotterdam Convention  
UNEP Chemicals

11-13, Chemin des Anémones  
CH – 1219 Châtelaine, Geneva, Switzerland

Tel: (+39 06) 5705 3441  
Fax: (+39 06) 5705 6347  
E-mail: pic@fao.org

Tel: (+41 22) 917 8183  
Fax: (+41 22) 797 3460  
E-mail: pic@unep.ch

1.6 Information on hazard classification where the chemical is subject to classification requirements	
International classification systems	Hazard class
WHO (a.i.)	Ia
EPA (USA) (formulation)	I
Other classification systems	Hazard class
Standard for the Uniform Scheduling of Drugs and Poisons (Australia)	Dangerous Poison Schedule 7

1.7 Use or uses of the chemical	
1.7.1	<input checked="" type="checkbox"/> <b>Pesticide</b> <b>Describe the uses of the chemical as a pesticide in your country:</b> Insecticide used to protect pome and stone fruit, vegetables, citrus, vines and lucerne.
1.7.2	<b>Industrial</b> <b>Describe the industrial uses of the chemical in your country:</b>

1.8 Properties	
1.8.1	<b>Description of physico-chemical properties of the chemical</b> Form: pale yellow liquid with phenol-like odour. Melting point: 6.1°C. Boiling point: 150°C/80 Pa Vapour pressure: 0.89 mPa at 20°C. Solubility: 20°C: 11mg/L water, completely miscible with most organic solvents. Stability: Rapidly hydrolyses in alkaline media, more slowly in acidic media. DT <sub>50</sub> (22°C) 272 d (pH 4), 260 d (pH 7) and 130 d (pH 9). Isomerises to O,S-diethyl isomer on heating above 130°C.

1.8.2	<b>Description of toxicological properties of the chemical</b> Acute oral: LD <sub>50</sub> for rats 2 mg/kg, mice 12 mg/kg and guinea pigs 10 mg/kg. Acute percutaneous: LD <sub>50</sub> for male rats 71mg/kg, female rats 76mg/kg. Inhalation: LC <sub>50</sub> (4 h) for male and female rats 0.03 mg/L (aerosol). NOEL: (2 y) for rats 2 mg/kg diet, (18 mo) mice <60 mg/kg diet, (12 mo) for dogs < .01 mg/kg b.w. daily. Information obtained from The Pesticide Manual, 11 <sup>th</sup> Edition. British Crop Protection Council 1997.
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1.8.3	<b>Description of ecotoxicological properties of the chemical</b> Fish: LC <sub>50</sub> (96 h) rainbow trout 1.5 mg/L, golden orfe 0.69 mg/l. Bees: toxic. Worms: LC <sub>50</sub> for <i>Eisenia foetida</i> 267 mg/kg dry soil. Daphnia: LC <sub>50</sub> (48 h) .0025 mg/L. Algae: ErC50 for <i>Scenedesmus subspicatus</i> 0.5 mg/L. Information obtained from The Pesticide Manual, 11 <sup>th</sup> Edition. British Crop Protection Council 1997.
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**PART II: FINAL REGULATORY ACTION**

<b>2. FINAL REGULATORY ACTION</b>	
<b>2.1</b>	<b>The chemical is:</b> <input checked="" type="checkbox"/> <b>banned</b> <b>OR</b> <input type="checkbox"/> <b>severely restricted</b>
<b>2.2</b>	<b>Information specific to the final regulatory action</b>
<b>2.2.1</b>	<b>Summary of the final regulatory action</b> The active constituent approval, all product registrations and associated label approvals for products containing parathion, were cancelled. Wholesale supply was to cease by 31 December 1999. Retail sale was to cease by 30 June 2000.
<b>2.2.2</b>	<b>Reference to the regulatory document</b> National Registration Authority for Agricultural and Veterinary Chemicals (NRA) Board Resolution 752, Action 99-29, 11 June 1999.
<b>2.2.3</b>	<b>Date of entry into force of the final regulatory action</b> 11 June 1999
<b>2.3</b>	<b>Was the final regulatory action based on a risk or hazard evaluation?</b> <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
	<b>If yes, give information on such evaluation</b> The NRA conducted a review of parathion under its Existing Chemicals Review Program. Evaluation addressed public health, occupational health and safety and environmental hazards. Risk evaluation was conducted using data generated by recognised scientific methods, and considering Australian use patterns and environmental conditions.
	<b>Reference to the relevant documentation</b> The NRA review of parathion, Volume I, February 2000. NRA Review Series 00.2. National Registration Authority for Agricultural and Veterinary Chemicals.
<b>2.4</b>	<b>Reasons for the final regulatory action</b>
<b>2.4.1</b>	<b>Is the reason for the final regulatory action relevant to the human health?</b> <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
	<b>If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers</b> Parathion is a cholinesterase inhibitor. The risk to workers was estimated using measured worker exposure studies, published literature and predictive modelling. The margins of exposure were found to be inadequate for most categories of workers involved in routine uses of parathion. The risk to workers under current practices was found to be unacceptable.
	<b>Reference to the relevant documentation</b> The NRA review of parathion, Volume I, February 2000. NRA Review Series 00.2. National Registration Authority for Agricultural and Veterinary Chemicals.
	<b>Expected effect of the final regulatory action</b> The action is expected to lead to a significant reduction in the health risk to workers as parathion is replaced by less hazardous alternatives.
<b>2.4.2</b>	<b>Is the reason for the final regulatory action relevant to the environment?</b> <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
	<b>If yes, give summary of the known hazards and risks to the environment</b> Parathion is hazardous to sensitive freshwater macro-crustacea and bees. Spray drift and possible over spray from aerial application was identified as extremely hazardous to aquatic ecosystems and bees. Reports of bee deaths indicate that unacceptable spray drift can occur during aerial application.
	<b>Reference to the relevant documentation</b> The NRA review of parathion, Volume I, February 2000. NRA Review Series 00.2. National Registration Authority for Agricultural and Veterinary Chemicals.
	<b>Expected effect of the final regulatory action</b> The action is expected to lead to a reduction in the risks to aquatic ecosystems and bees as parathion is replaced by less hazardous alternatives.

<b>2.5</b>	<b>Category or categories where the final regulatory action has been taken</b>	
<b>2.5.1</b>	<b>Final regulatory action has been taken for the chemical category</b>	<b>Industrial</b>
	<b>Use or uses prohibited by the final regulatory action</b>	
	<b>Use or uses that remain allowed</b>	

<b>2.5.2</b>	<b>Final regulatory action has been taken for the chemical category</b>	<input checked="" type="checkbox"/> <b>Pesticide</b>
	<b>Formulation(s) and use or uses prohibited by the final regulatory action</b>	
	The only formulation was as an emulsifiable concentrate. Under the <i>Agricultural and Veterinary Chemical Code Act 1994</i> , the approval of parathion as an active constituent and the registration of all products have been cancelled.	
<b>2.5.3</b>	<b>Formulation(s) and use or uses that remain allowed</b>	
	Nil	

<b>2.5.3</b>	<b>Estimated quantity of the chemical produced, imported, exported and used, where available.</b>	
	<b>Quantity per year (MT)</b>	<b>Year</b>
<b>Produced</b>	No data available	
<b>Imported</b>	14000kg	1998
<b>Exported</b>	No data available	
<b>Used</b>	No data available	

<b>2.6</b>	<b>Indication, to the extent possible, of the likely relevance of the final regulatory action to other states and regions</b>
	The action has minimal relevance as parathion is already subject to the PIC procedure.

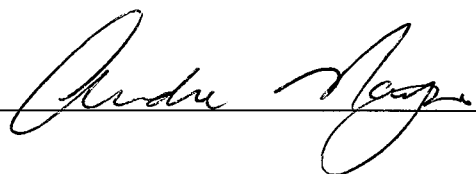
<b>2.7</b>	<b>Other relevant information that may cover:</b>
<b>2.7.1</b>	<b>Assessment of socio-economic effects of the final regulatory action</b>
	Parathion has been an important component of integrated pest management in the pear industry in one Australian state. The action will have a significant effect on this industry in the short term. The phase-out period will reduce the impact and allow time for development of alternatives. Effects in other Australian states are judged to be minimal.

<b>2.7.2</b>	<b>Information on alternatives and their relative risks</b>
	<p>The following alternatives are considered at this time to pose lower risks to workers and the environment. World Health Organisation hazard classifications are provided as an aid to consideration of relative risks. These classifications are for active constituents. Actual hazard depends on formulations.</p> <p>Moderately hazardous:</p> <ul style="list-style-type: none"> <li>• carbaryl</li> <li>• dimethoate</li> <li>• fenthion</li> </ul> <p>Slightly hazardous:</p> <ul style="list-style-type: none"> <li>• fenoxycarb</li> <li>• malathion</li> </ul> <p>It is suggested that if any of the above chemicals are to be considered as alternatives, advice should be sought from product manufacturers concerning suitability for the proposed use and for local conditions.</p>
<b>2.7.3</b>	<b>Relevant additional information</b>

**PART III: GOVERNMENT AUTHORITIES**

<b>Ministry/Department and authority responsible for issuing/enforcing the final regulatory action</b>	
<b>Institution</b>	National Registration Authority for Agricultural and Veterinary Chemicals
<b>Address</b>	PO Box E240 KINGSTON ACT 2604 AUSTRALIA
<b>Telephone</b>	+61 2 6272 5158
<b>Telefax</b>	+61 2 6272 3195
<b>E-mail address</b>	nra.contact@nra.gov.au
<b>Designated National Authority</b>	
<b>Institution</b>	Agricultural and Veterinary Chemicals Product Integrity, Plant and Animal Health Department of Agriculture, Fisheries and Forestry - Australia
<b>Address</b>	GPO Box 858 CANBERRA ACT 2601 AUSTRALIA
<b>Name of person in charge</b>	Mr André Mayne
<b>Position of person in charge</b>	Senior Manager
<b>Telephone</b>	+61 2 6272 5391
<b>Telefax</b>	+61 2 6272 5697
<b>E-mail address</b>	andre.mayne@affa.gov.au

Date, signature of DNA and official seal: \_\_\_\_\_


 20/9/02



**FORM  
FOR NOTIFICATION OF FINAL REGULATORY ACTION  
TO BAN OR SEVERELY RESTRICT A CHEMICAL**

IMPORTANT: See instructions before filling in the form

**COUNTRY: European Community**  
(Member States: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden and United Kingdom)

**PART I: PROPERTIES, IDENTIFICATION AND USES**

1. IDENTITY OF CHEMICAL		
1.1	Common name	Parathion
1.2	Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists	<u>IUPAC</u> : O,O-diethyl O-4-nitrophenyl phosphorothioate  <u>CA</u> : Phosphorothioic acid, O,O=diethyl O-(4-nitrophenyl) phosphorothioate
1.3	Trade names and names of preparations	The following list may not be exhaustive: Ethyl parathion 100 EC; Ethyl parathion 500 EC; E 605 forte; concentrated Parathion P-O-X; E comb.; E 605 wettable powder; Pacol 4,5; Oléon Bladan; Paretox 10; Oléoparator; Parafor ethyl; Rhodiatox liquide 10%; Ugécoil 10; Ugécoil P
1.4	Code numbers	
1.4.1	CAS number	56-38-2
1.4.2	Harmonized System Customs Code	3808 10 40
1.4.3	Other numbers (specify the numbering system)	CIPAC N°: 0010 EEC: 015-034-00-1 EINECS: 200-271-7

**PLEASE RETURN THE COMPLETED FORM TO:**

Interim Secretariat for the Rotterdam Convention  
Plant Protection Service  
Plant Production and Protection Division, FAO  
Viale delle Terme di Caracalla  
00100 Rome, Italy

Tel: (+39 06) 5705 3441  
Fax: (+39 06) 5705 6347  
E-mail: pic@fao.org

OR

Interim Secretariat for the Rotterdam Convention  
UNEP Chemicals

11-13, Chemin des Anémones  
CH – 1219 Châtelaine, Geneva, Switzerland

Tel: (+41 22) 917 8183  
Fax: (+41 22) 797 3460  
E-mail: pic@unep.ch



1.5 Indication regarding previous notification on this chemical, if any	
1.5.1	<input checked="" type="checkbox"/> This is a first time notification of final regulatory action on this chemical.
1.5.2	<input type="checkbox"/> This is a modification of a previous notification of final regulatory action on this chemical. The sections modified are: _____
	<input type="checkbox"/> This notification replaces all previously submitted notifications on this chemical.
Date of issue of the previous notification: _____	

1.6 Information on hazard classification where the chemical is subject to classification requirements	
International classification systems	Hazard class
UN Classification	6.1
Classification in the EC in accordance with Directive 67/548/EEC	T+ (very toxic), N (dangerous for the environment), R24 (toxic in contact with skin), R26 (very toxic by inhalation), R28 (very toxic if swallowed), R48 (danger of serious damage to health by prolonged exposure), R50/53 (very toxic to aquatic organism)
Other classification systems	Hazard class

1.7 Use or uses of the chemical	
1.7.1	<input checked="" type="checkbox"/> <b>Pesticide</b>
	<b>Describe the uses of the chemical as a pesticide in your country:</b> The chemical was used as an insecticide in agriculture, horticulture and viticulture.
1.7.2	<input type="checkbox"/> <b>Industrial</b>
	<b>Describe the industrial uses of the chemical in your country:</b> Not used.

1.8 Properties	
1.8.1	Description of physico-chemical properties of the chemical
	<p><b>Form</b> Emulsifiable concentrate (EC)</p> <p><b>Minimum purity</b> 960 g/kg</p> <p><b>Formula</b> C<sub>10</sub>H<sub>14</sub>NO<sub>5</sub>PS</p> <p><b>FAO specification</b> Min 950 ± 20 g/kg (10.b/TC/S 1989)</p> <p><b>Molecular weight</b> 291.3 g/mol</p> <p><b>Melting point</b> -</p> <p><b>Relative density</b> -</p> <p><b>Vapour pressure</b> -</p> <p><b>Solubility in water</b> 12.4 ± 0.7 mg/l at 25 ± 1°C</p> <p><b>Solubility in organic solvents</b> -</p> <p><b>Partition coefficient (log P<sub>ow</sub>)</b> 1598 (log K<sub>ow</sub> = 3.15 ± 0.27)</p> <p><b>Hydrolytic stability (DT<sub>50</sub>)</b> pH 5: DT<sub>50</sub> = 133 days pH 7: DT<sub>50</sub> = 247 - 356 days (depending on the buffer used) pH 9: DT<sub>50</sub> 102 days</p> <p><b>Photostability (DT<sub>50</sub>)</b> 30 days (non-sensitised system) 44 days (sensitised system)</p> <p><b>Flammability</b> Not highly flammable</p> <p><b>Explosive properties</b> Non-explosive</p> <p>Full Report on Parathion (ECCO, 30 November 2000) (copy extracts attached)</p>

1.8.2	Description of toxicological properties of the chemical
	<p>Properties and data considered in the risk assessment:</p> <ul style="list-style-type: none"> <li>● Main concerns: <ul style="list-style-type: none"> <li>- Very acutely toxic by oral and inhalation routes: <ul style="list-style-type: none"> <li>○ LD50 (rat, oral): 2-22 mg/kg</li> <li>○ LC50 (rat, inhalation): 0.03 mg/L</li> </ul> </li> <li>- Acutely toxic by dermal route: <ul style="list-style-type: none"> <li>○ LD50 (rat, dermal): 71-100 mg/kg</li> </ul> </li> <li>- Very low oral NOAEL in subchronic toxicity: NOAEL (rat, 13 weeks, neurotoxicity) = 0.06 mg/kg/d</li> <li>- Critical effect: inhibition of acetyl cholinesterase activity in the nervous system.</li> </ul> </li> <li>● Gaps in mammalian toxicology: identification of metabolites and their elimination, developmental neurotoxicity.</li> </ul> <p>Full Report on Parathion (ECCO, 30 November 2000) (copy extracts attached)</p>

1.8.3	Description of ecotoxicological properties of the chemical	
	<p>Properties and lack of information considered in the risk assessment:</p> <p>a) <u>Fate and behaviour</u>:</p> <ul style="list-style-type: none"> <li>- Gaps prevent evaluation.</li> </ul> <p>b) <u>Residues</u>:</p> <ul style="list-style-type: none"> <li>- Not known due to missing data.</li> <li>- Sufficient residue trials covering the proposed critical Good Agricultural Practices and taking into account results from metabolism studies in plants were not carried out.</li> </ul> <p>c) <u>Ecotoxicity</u>:</p> <ul style="list-style-type: none"> <li>- Dangerous to: <ul style="list-style-type: none"> <li>○ Mammals: LD<sub>50</sub> (oral, rat) = 2.4 mg/kg bw</li> <li>○ Birds: LD<sub>50</sub> (acute, bobwhite quail) = 2.7 mg/kg bw Reproductive toxicity: NOEC (mallard duck) = 2.85 ppm</li> <li>○ Aquatic organisms: Fish: LC<sub>50</sub> (golden orfe, 96h) = 0.58 mg/l, NOEC (sheepshead minnow, 28d) = 0.72 µg/l <i>Daphnia magna</i>: EC<sub>50</sub> (48h) = 2.5 µg/L, NOEC (21 d) = 0.56 µg/l Algae: EC<sub>50</sub> (<i>Scenedesmus subspicatus</i>, 48h) = 0.5 mg/l</li> <li>○ Bees: LD<sub>50</sub> (contact) = 0.066 µg/bee / LD<sub>50</sub> (oral) = 0.1 µg/bee</li> </ul> </li> <li>- Lack of information on metabolites.</li> </ul>	
	Full Report on Parathion (ECCO, 30 November 2000) (copy extracts attached)	

<b>PART II: FINAL REGULATORY ACTION</b>
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<b>2. FINAL REGULATORY ACTION</b>	
<b>2.1</b>	<b>The chemical is:</b> <input checked="" type="checkbox"/> <b>banned</b> <b>OR</b> <input type="checkbox"/> <b>severely restricted</b>

<b>2.2</b>	<b>Information specific to the final regulatory action</b>										
<b>2.2.1</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Summary of the final regulatory action</b></td> <td>It is prohibited to place on the market or use plant protection products containing parathion. Parathion is not included as an active ingredient in Annex I to Directive 91/414/EEC. The authorisations for plant protection products containing parathion had to be withdrawn within a period of 6 months from the date of adoption of Commission Decision 2001/520/EC. From that date, no authorisations for plant protection products containing parathion could be granted or renewed.</td> </tr> <tr> <td><b>2.2.2</b></td> <td> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Reference to the regulatory document</b></td> <td>Commission Decision 2001/520/EC of 9/07/2001 concerning the non-inclusion of parathion in Annex I to Council Directive 91/414/EEC and the withdrawal of authorisations for plant protection products containing this active substance (Official Journal of the European Community L187 of 10/07/2001, p. 47) (copy attached).</td> </tr> <tr> <td><b>2.2.3</b></td> <td> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Date of entry into force of the final regulatory action</b></td> <td>8/01/2002 (Authorisations for plant protection products containing parathion had to be withdrawn within a period of 6 months from the date of the final regulatory action).</td> </tr> </table> </td> </tr> </table> </td> </tr> </table>	<b>Summary of the final regulatory action</b>	It is prohibited to place on the market or use plant protection products containing parathion. Parathion is not included as an active ingredient in Annex I to Directive 91/414/EEC. The authorisations for plant protection products containing parathion had to be withdrawn within a period of 6 months from the date of adoption of Commission Decision 2001/520/EC. From that date, no authorisations for plant protection products containing parathion could be granted or renewed.	<b>2.2.2</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Reference to the regulatory document</b></td> <td>Commission Decision 2001/520/EC of 9/07/2001 concerning the non-inclusion of parathion in Annex I to Council Directive 91/414/EEC and the withdrawal of authorisations for plant protection products containing this active substance (Official Journal of the European Community L187 of 10/07/2001, p. 47) (copy attached).</td> </tr> <tr> <td><b>2.2.3</b></td> <td> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Date of entry into force of the final regulatory action</b></td> <td>8/01/2002 (Authorisations for plant protection products containing parathion had to be withdrawn within a period of 6 months from the date of the final regulatory action).</td> </tr> </table> </td> </tr> </table>	<b>Reference to the regulatory document</b>	Commission Decision 2001/520/EC of 9/07/2001 concerning the non-inclusion of parathion in Annex I to Council Directive 91/414/EEC and the withdrawal of authorisations for plant protection products containing this active substance (Official Journal of the European Community L187 of 10/07/2001, p. 47) (copy attached).	<b>2.2.3</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Date of entry into force of the final regulatory action</b></td> <td>8/01/2002 (Authorisations for plant protection products containing parathion had to be withdrawn within a period of 6 months from the date of the final regulatory action).</td> </tr> </table>	<b>Date of entry into force of the final regulatory action</b>	8/01/2002 (Authorisations for plant protection products containing parathion had to be withdrawn within a period of 6 months from the date of the final regulatory action).
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<b>2.3</b>	<b>Was the final regulatory action based on a risk or hazard evaluation?</b> <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>								
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<b>2.4</b>	<b>Reasons for the final regulatory action</b>	
<b>2.4.1</b>	<b>Is the reason for the final regulatory action relevant to the human health?</b>	<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
	<b>If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers</b>	
	Final regulatory action was taken to protect operators applying plant protection products containing parathion.	
	<b>Reference to the relevant documentation</b>	
	Review report for the active substance parathion SANCO/3067/99-rev.2 of 7/02/1999, copy attached, and supporting background documents (dossier, monograph, and the peer review report under the Peer Review Programme (ECCO November 2000)).	
	<b>Expected effect of the final regulatory action</b>	
	Complete risk reduction from plant protection use.	

<b>2.4.2</b>	<b>Is the reason for the final regulatory action relevant to the environment?</b>	<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
	<b>If yes, give summary of the known hazards and risks to the environment</b>	
	Final regulatory action was taken having regard to the fate and behaviour of the substance in the environment and its possible impact on non-target organisms.	
	<b>Reference to the relevant documentation</b>	
	Review report for the active substance parathion SANCO/3067/99-rev.2 of 7/02/1999, copy attached, and supporting background documents (dossier, monograph, and the peer review report under the Peer Review Programme (ECCO November 2000)).	
	<b>Expected effect of the final regulatory action</b>	
	Complete risk reduction from plant protection use.	

2.5 Category or categories where the final regulatory action has been taken		
2.5.1	<b>Final regulatory action has been taken for the chemical category</b>	<input type="checkbox"/> Industrial
	<b>Use or uses prohibited by the final regulatory action</b>	
	Not relevant.	
	<b>Use or uses that remain allowed</b>	
	Not relevant.	
2.5.2	<b>Final regulatory action has been taken for the chemical category</b>	<input checked="" type="checkbox"/> Pesticide
	<b>Formulation(s) and use or uses prohibited by the final regulatory action</b>	
	All applications as plant protection products.	
	<b>Formulation(s) and use or uses that remain allowed</b>	
	EU Member States may have granted a period of grace for disposal, storage, placing on the market and use of existing stocks, no longer than 18 months from the date of adoption of Commission Decision 2001/520/EC of 9/07/2001 ( <i>i.e.</i> until 8/01/03).	
2.5.3 Estimated quantity of the chemical produced, imported, exported and used, where available.		
	<b>Quantity per year (MT)</b>	<b>Year</b>
<b>Produced</b>	Not available.	
<b>Imported</b>	Not available	
<b>Exported</b>	Not available	
<b>Used</b>	Not available	

2.6 Indication, to the extent possible, of the likely relevance of the final regulatory action to other states and regions	
	General health problem in states where substance is used, particularly for operators, especially in developing countries. A ban would also protect the general public and the environment.

2.7 Other relevant information that may cover:	
2.7.1	<b>Assessment of socio-economic effects of the final regulatory action</b>
2.7.2	<b>Information on alternatives and their relative risks</b>
2.7.3	<b>Relevant additional information</b>

**PART III : GOVERNMENT AUTHORITIES**

<b>Ministry/Department and authority responsible for issuing/enforcing the final regulatory action</b>	
<b>Institution</b>	European Commission
<b>Address</b>	Rue de la Loi, 200 B-1049 Brussels Belgium
<b>Telephone</b>	+322 299 48 60
<b>Telefax</b>	+322 296 69 95
<b>E-mail address</b>	klaus.berend@cec.eu.int
<b>Designated National Authority</b>	
<b>Institution</b>	DG Environment European Commission
<b>Address</b>	Rue de la Loi, 200 B-1049 Brussels Belgium
<b>Name of person in charge</b>	Klaus BEREND
<b>Position of person in charge</b>	Administrator
<b>Telephone</b>	+322 299 48 60
<b>Telefax</b>	+322 296 69 95
<b>E-mail address</b>	klaus.berend@cec.eu.int

**Date, signature of DNA and official seal:** \_\_\_\_\_