



**United Nations
Environment Programme**

**Food and Agriculture Organization
of the United Nations**

Distr.: General
2 December 2008

English only

**Rotterdam Convention on the Prior Informed
Consent Procedure for Certain Hazardous
Chemicals and Pesticides in International Trade
Chemical Review Committee**

Fifth meeting

Rome, 23–27 March 2009

Item 4 (b) (iii) of the provisional agenda*

**Listing of chemicals in Annex III to the Rotterdam Convention:
review of notifications of final regulatory actions to ban
or severely restrict a chemical: methyl parathion**

Methyl parathion

Note by the Secretariat

1. Under Article 5 of the Rotterdam Convention, when the Secretariat has received at least one notification from each of two prior informed consent (PIC) regions containing the information required in Annex I to the Convention, it shall forward the notifications and accompanying documentation to the members of the Chemical Review Committee. The Committee shall review the documentation provided in such notifications and, in accordance with the criteria set out in Annex II to the Convention, recommend to the Conference of the Parties whether the chemical in question should be included in Annex III to the Convention and whether a decision guidance document should be drafted.
2. At its first meeting, the Chemical Review Committee reviewed one notification of final regulatory action related to methyl parathion from Europe (European Community). The Committee concluded that the notification met the requirements of the Rotterdam Convention. The rationale for the Committee's conclusion may be found in document UNEP/FAO/RC/CRC.5/6/Add.1.
3. The Secretariat has subsequently received one additional notification relating to methyl parathion that meets the information requirements of Annex I from Latin America and the Caribbean (Uruguay). Summaries of the notifications were included in PIC Circular XVIII of December 2004 and PIC Circular XXVIII of December 2008, respectively. The notifications, as received from the notifying countries, are set out in the annex to the present note.

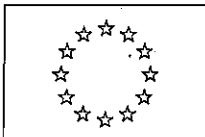
* UNEP/FAO/RC/CRC.5/1.

4. The supporting documentation provided by Uruguay is set out in document UNEP/FAO/RC/CRC.5/6/Add.2.
5. A list of other notifications previously considered by the Chemical Review Committee is set out in document UNEP/FAO/RC/CRC.5/INF/4.

Annex

Notification of final regulatory action for methyl parathion by the European Community

**Notification of final regulatory action for methyl parathion by Uruguay
(Spanish and English)**



EUROPEAN COMMISSION

DIRECTORATE-GENERAL

ENVIRONMENT

Directorate C - Air quality, Climate change, Chemicals & Biotechnology

ENV.C4 - Biotechnology & Pesticides

Brussels, 08/11/03
ENV.C4 D(03) 441540

Mr. N. Van der Graaff
Interim Secretariat for the
Rotterdam
Convention, Plant Protection
Service
Plant Production and Protection
Division, FAO
Viale delle Terme di Caracalla
IT- 00100 Rome

Dear Mr Van der Graaff,

In line with Article 5 of the Rotterdam Convention and its interim procedure, I am pleased to send you herewith a European Community notification concerning a final regulatory action in respect of parathion-methyl.

Yours sincerely,

Julian FOLEY

Cc. Mr Willis, UNEP



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

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-methyl (BSI, E-ISO, (m) F-ISO); Synonyms: methyl parathion (ESA, JMAF); metaphos (USSR)
1.2	Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists	IUPAC: <i>O,O</i> -dimethyl <i>O</i> -4-nitrophenyl phosphorothioate CA: Phosphorothioic acid, <i>O,O</i> -dimethyl <i>O</i> -(4-nitrophenyl) ester
1.3	Trade names and names of preparations	- <u>Formulation types</u> : capsule suspension (CS); dustable powder (DP); emulsifiable concentrate (EC); ultra low volume liquid (UL); (wettable powder (WP). - <u>Selected trade names</u> : Folidol-M; Metacide; Cekumethion; Dhanuman; Faast; Fostox metil; Jiajiduiluulin; Morfos Methyl; Parataf; Paratox; Penncap-M; Sweeper; Thionyl; Bladan M; Declare; Dhanudol; Dipathio; Foley; Metpar; Metron; Paracrop; Prompt; R M Doll; R Methyl; Sabidol - <u>Mixtures</u> : Verecar T (+ tetradifon); Afidan M 40 (+ endosulfan); Seis-Tres (+ parathion); Sulfanex-Methyl (+ endosulfan); Veto (+ EPN) - <u>Discontinued names</u> : Methyl Bladan; Mefos
1.4	Code numbers	
1.4.1	CAS number	298-00-0
1.4.2	Harmonized System customs code	3808 10 40
1.4.3	Other numbers (specify the numbering system)	RTECS: TG0175 EINECS: 206-050-1 UN: 2783 CIPAC: 487

1.5 Indication regarding previous notification on this chemical, if any

1.5.1 This is a first time notification of final regulatory action on this chemical.

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

1.5.2	<input type="radio"/> This is a modification of a previous notification of final regulatory action on this chemical. The sections modified are: _____
	<input type="radio"/> 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
WHO (IPCS 2000-2002)	Ia (Extremely hazardous)
IARC (1991, vol 53)	Not classifiable as to its carcinogenicity to humans (Group 3).
UN Classification	UN Hazard Class: 6.1
International Maritime Dangerous goods (IMDG) Code	Severe Marine pollutant, Airtight. Do not transport with food and feedstuffs.
Transport Emergency Card	TEC (R)-61G41a
Classification in the EU in accordance with Council Directive 67/548/EEC	T+ (Very toxic), R28 (Very toxic if swallowed) T (Toxic), R24 (Toxic in contact with skin)
Other classification systems	Hazard class

Error! Hyperlink reference not valid.

1.7 Use or uses of the chemical	
1.7.1	<input checked="" type="checkbox"/> Pesticide
	Describe the uses of the chemical as a pesticide in your country: Parathion-methyl is a non-systemic insecticide and acaricide used worldwide to control chewing and sucking insects in a very wide range of crops, such as cereals, fruits (including citrus), vines, vegetables, ornamentals, cotton, and field crops. Intended uses within the European Community were to control <i>Clysia ambiguella</i> (common names: Grape bud moth, Vine moth, Grape cochylis) on vines (grape vine and table grape) Good Agricultural Practices were considered for 1 to 3 spray applications at application rates of 0.3 kg parathion-methyl/ha.
1.7.2	<input type="radio"/> Industrial
	Describe the industrial uses of the chemical in your country: No known use.

1.8 Properties	
1.8.1	Description of physico-chemical properties of the chemical
Minimum purity	≥ 800 g/kg
FAO specification	≥ 950 g/Kg (FAO Specification 487/TK (2001))
Molecular Formula	C ₈ H ₁₀ NO ₅ PS
Molecular Mass	263.23
Structural Formula	
Appearance	Technical: liquid; Purified: powder.
Relative density	1.45 at 20 ± 1.0 °C, purity: > 99%
Melting point	36 - 37°C Purity: > 99%
Boiling point / decomposition	unstable to heat R 5; Heating may cause an explosion R 10; Flammable
Vapor pressure	2.26 x 10 ⁻³ Pa at 20°C. Purity > 99%.
Henry's law constant	1.21 x 10 ⁻² Pa.m ³ /mol pH = 4 at 20°C 1.14 x 10 ⁻² Pa.m ³ /mol pH = 7 at 20°C 1.16 x 10 ⁻² Pa.m ³ /mol pH = 10 at 20°C
Solubility in water	pH = 4 49.0x10 ⁻³ g/l at 20 ± 1.0°C pH = 7 52.1x10 ⁻³ g/l at 20 ± 1.0°C pH = 10 51.5x10 ⁻³ g/l at 20 ± 1.0°C
Solubility in organic solvents (at 25°C)	The solubility in dichloromethane, ethyl acetate, p-xylene, methanol and acetone was determined to be > 1000 g/l at room temperature; n-heptane 16.10 g/l at 20 ± 0.5°C. Purity > 99%
Partition coefficient (log P _{ow})	pH = 4 1019 ± 96 (log Pow 3.01) at 20 ± 1.0°C pH = 7 1058 ± 32 (log Pow 3.02) at 20 ± 1.0°C pH = 10 891.3 ± 119.7 (log Pow 2.95) at 20 ± 1.0°C Purity > 99%
Hydrolytic stability (DT ₅₀)	2 studies were available: pH = 5 DT ₅₀ = 68 days; main metabolite: monodesmethylparathion-methyl pH = 7 DT ₅₀ = 40 days; main metabolites: nearly equal amounts of 4-nitrophenol and monodesmethylparathion-methyl pH = 9 DT ₅₀ = 33 days; main metabolite: 4-nitrophenol Purity 99%. Or pH = 4 15x10 ² hours pH = 7 12x10 ² hours pH = 9 9.1x10 ² hours Purity > 99%; metabolites: not stated
Photostability (DT ₅₀)	A half-life of 8.6 days to sunlight was reported. A half-life of 100 days to darkness was reported.
Full Report on parathion-methyl (ECCO, October 2002) (copy extracts attached)	

1.8.2	Description of toxicological properties of the chemical
Absorption, distribution, excretion and metabolism in mammals	
Parathion-methyl is highly absorbed (>90%) and excreted within 48 hours (>99%), mainly via urine (76-92%). Parathion-methyl is extensively metabolised (desulfurization, dealkylation, sulfate conjugation, oxidation) and has no potential for accumulation.	
Acute toxicity	
LD ₅₀ (oral, rat)	3-20 mg/kg, (T+, very toxic)
LD ₅₀ (dermal, rat)	46-491 mg/kg (T, toxic)
LD ₅₀ (dermal, rabbit)	> 2000 mg/kg
LC ₅₀ (inhalation, nose only, 4 h, rat)	0.135 mg/l, (T+, very toxic)

Skin and eye irritation non irritant
Sensitisation non sensitiser (M & K)

Short term toxicity

The main effects of parathion-methyl during short-term studies are the inhibition of cholinesterase and retinal alterations. The lowest relevant levels identified were:

- Dogs (oral, 90 days): NOEL= 0.3 mg/kg bw
- Rats (dermal, 28 days): LOAEL = 0.3 mg/kg bw
- Rats (inhalation, 21 days): NOAEL = 0.0009 mg/l air

Genotoxicity: Mutagenic in tests *in vitro* in bacteria and in mammalian cells. Equivocal evidence of genotoxicity *in vivo* in rodent somatic cells. Not mutagenic in germ cells.

Long term toxicity

The main effects of parathion-methyl during long- term studies are the inhibition of cholinesterase activity, ocular atrophy and peripheral neuropathy. The lowest relevant levels identified were:

- Rats (oral, 2 years): NOEL = 0.1 mg/kg bw (2 ppm)

Carcinogenicity: no evidence of carcinogenicity.

Reproductive toxicity:

- Reproduction: NOAEL (rats, reproduction) = 0.1 mg/kg bw/d (2 ppm) Reduced litter size, reduced pup survival and growth.
- Development: NOAEL (rats, maternal and developmental) = 0.3 mg/kg bw/d. Increased postimplantation loss, reduced foetal growth with concomitant maternal toxicity (rats).
- No developmental toxicity even at maternal toxic doses (rabbits).
- No information on developmental neurotoxicity.

Neurotoxicity: No signs of single dose delayed neuropathy (hens). Neuropathy in 1 year rat study: NOEL = 0.5 ppm (approx. 0.02 mg/kg bw/d) LOAEL 2.5 ppm (about 0.2 mg/kg bw/d).

Human studies: Old human volunteer studies suggest inhibition of plasma and red blood cell cholinesterase activity at dose levels > 0.4 mg/kg bw/d and a NOAEL for cholinesterase inhibition of 0.3 mg/kg bw/d.

Admissible Daily Intake (ADI)	0.001mg/kg	study: 2 year rat	Safety factor 100
Acceptable Operator Exposure (AOEL)	0.003 mg/kg	study: 90 days dog	Safety factor 100
Acute Reference dose (ARfD)	0.03 mg/kg	human data	Safety factor 10

Full Report on parathion-methyl (ECCO, October 2002) (copy extracts attached)

1.8.3 Description of ecotoxicological properties of the chemical

Fate and behaviour

Soil: Parathion-methyl is not persistent in soil. Mineralisation after 120 days is about 60 % of the initial parathion-methyl treatment. Parathion-methyl degraded with half-lives of 12 to 22 days in laboratory studies. The main metabolite observed is p-nitrophenol.

Water:

- Ground water: Parathion-methyl is adsorbed and is not expected to leach in soil with water. Koc adsorption = 230 to 670.
- Surface water: hydrolysis half lives of parathion-methyl range from 33 to 68 days, depending of pH. Parathion-methyl is assumed to be biodegradable.

Air: volatilisation: 74% of the applied dose was lost from plant surfaces after 24 hours, whereas its volatilisation from soil was markedly lower.

Ecotoxicology:

• Terrestrial vertebrates

- Birds: Acute toxicity Mallard duck LD₅₀ = 5.3 mg a.s./kg bw
- Acute toxicity Bobwhite quail LD₅₀ = 49 mg a.s./kg bw (microencapsulated formulation)
- Short term dietary Japanese quail LC₅₀ = 79mg a.s./kg food(ppm)
- Reproductive tox Bobwhite quail NOEC = 0.58 mg a.s./kg bw (6.27 ppm)
- Mammals Acute toxicity Rat, oral LC₅₀ = 2.9 mg a.s./kg bw
- Rat, oral LC₅₀ > 1080 mg a.s./kg bw (microencapsulated formulation)

- Aquatic species

Fish	(96 hours)	<i>Oncorhynchus mykiss</i>	LC ₅₀ = 2.7 mg a.s. tech./l
	(35 days)	<i>Cyprinodon variegates</i>	NOEC = 0.012 mg a.s. tech/l
	(89 days)	<i>Oncorhynchus mykiss</i>	NOEC = 0.082 mg a.s. /l (microencaps.)
- Invertebrate	(48 hours)	<i>Daphnia magna</i>	EC ₅₀ = 0.0073 mg a.s. tech/l
	(48 hours)		EC ₅₀ < 0.0030 mg a.s./l (microencap)
	(21 days)	<i>Daphnia magna</i>	NOEC = 0.00043 mg a.s. tech/l (growth)
	(21 days)	<i>Daphnia magna</i>	NOEC = 0.00023 mg WP form./l
Algae	(96 hours)	<i>Scenedesmus suspicatus</i> .	EC ₅₀ = 0.1 mg a.s. tech./l (growth)
	(96 hours)	<i>Scenedesmus suspicatus</i>	EC ₅₀ = 1.9 mg 42% WP/l (growth)

Bioconcentration factor: 71

- Bees: LD₅₀ (oral) = 0.013 µg a.s./bee. LD₅₀ (contact) = 0.04 µg a.s./bee.
- Other arthropods:
 - Application rates ranging from 0.008 to 0.37 kg a.s./ha have produced 100 % mortality (laboratory test) in *A. bilineata*, *B. tetracolum*, *C. carnea*, *E. balteatus*, and *Coccinella septempuncta* and caused 100% reduction of parasitism in *T. cacoezia*.
- Earthworm: Acute 0.019 < 14dLC₅₀ < 0.192 kg a.s./kg (WP formulation)
Sublethal: NOEC = 2 x 0.375 kg a.s./ha (=1 mg a.s./kg dry soil) (WP formulation)
- Soil micro-organisms: Nitrogen and carbon mineralisation: No effect up to 3.6 Kg a.i/ha in loamy sand and silt soil (WP formulation).

Full Report on parathion-methyl (ECCO, October 2002 (copy extracts attached)

PART II: FINAL REGULATORY ACTION

2.	FINAL REGULATORY ACTION
2.1	The chemical is: <input checked="" type="checkbox"/> banned OR <input type="checkbox"/> severely restricted
2.2	Information specific to the final regulatory action
2.2.1	<p>Summary of the final regulatory action</p> <p>It is prohibited to place on the market or use plant protection products containing parathion-methyl. Parathion-methyl is not included as an authorised active ingredient in Annex I to Directive 91/414/EEC.</p> <p>The authorisations for plant protection products containing parathion-methyl had to be withdrawn within a period of 6 months from the date of adoption of the Commission Decision 2003/166/EC. From that date, no authorisations for plant protection products containing parathion-methyl could be granted or renewed.</p>
2.2.2	<p>Reference to the regulatory document</p> <p>Commission Decision 2003/166/EC of 10/03/2003 concerning the non-inclusion of parathion-methyl 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 Union L67 of 12/03/2003, pp. 18-19) (copy attached, available at http://europa.eu.int/eur-lex/en/archive/2003/l_06720030312en.html).</p>
2.2.3	<p>Date of entry into force of the final regulatory action</p> <p>9 September 2003. Authorisations for plant protection products containing parathion-methyl had to be withdrawn within a period of six months from the date of the final regulatory action.</p>

2.3	Was the final regulatory action based on a risk or hazard evaluation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	<p>If yes, give information on such evaluation</p> <p>Directive 91/414/EEC provides for the European Commission to carry out a programme of work for the examination of existing active substances used in plant protection products which were already on the market on 25 July 1993, with a view to their possible inclusion in Annex I to the Directive. Within this context, a number of companies notified their wish to secure the inclusion of parathion-methyl as an authorised active ingredient. A Member State was designated to undertake a hazard and risk assessment based on the dossier submitted by the notifiers. The assessment report was subjected to peer review, during which the Commission undertook extensive consultations with experts of the Member States as well as with the main notifier. The results were then reviewed by the Member States and the Commission within the Standing Committee on the Food Chain and Animal Health (SCFAH) before a final decision was taken.</p> <p>The evaluation was based on the review of scientific data generated for parathion-methyl and for the use of a representative formulation in the context of the conditions prevailing in the European Community (intended uses, recommended application rates, good agricultural practices). Only data that had been generated according to scientifically recognized methods were validated and used for the evaluation. Moreover data reviews were performed and documented according to generally recognized scientific principles and procedures.</p> <p>It was concluded that parathion-methyl was not demonstrated to fulfil the safety requirements laid down in Article 5 (1) (a) and (b) of Directive 91/414/EEC. The following areas of concern were identified: the safety of operators potentially exposed to parathion-methyl; and the possible impact of the substance on non-target insects, birds and mammals.</p> <p>In addition available data were insufficient concerning the following: identity, physical and chemical properties and methods of analysis, the environmental fate and ecotoxicology of the substance; certain aspects concerning mammalian toxicology; plant metabolism and residues in treated crops.</p>	
	<p>Reference to the relevant documentation</p> <p>Review report for the active substance parathion-methyl 2665/01-final: 18 October 2002 (copy attached) and supporting background documents (dossier, monograph, and the peer review report under the Peer review Programme (ECCO, October 2002)</p>	

2.4	Reasons for the final regulatory action	
2.4.1	Is the reason for the final regulatory action relevant to the human health?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers	
	Final regulatory action was taken to protect operators applying plant protection products containing parathion-methyl.	
	The principal issues which lead to these overall conclusions relate mainly to concerns about <u>operator</u> exposure. Exposure scenarios using UK Predictive Operator Exposure Model demonstrated that operator exposure was unacceptable for the proposed uses within the European Community (grapevines and table grapes). The estimated exposure exceeded the acceptable operator exposure level (AOEL) during the mixing/loading and the application operations, even when personal protective equipment (PPE) was worn. Using the German Model, scenarios for high crops/tractor mounted applications were acceptable using PPE, but not for high crops/hand held scenarios.	
	A safe use for <u>consumers</u> exposed to potential residues resulting from the use of these plant protection products was not demonstrated. No metabolism data relevant to grapes (and processed products) were available. The notifier provided data on several crop residues, from which no extrapolation was possible, thus preventing an adequate risk assessment. Moreover this was not considered necessary as it was already demonstrated that the use of parathion -methyl was not safe for operators, which was sufficient grounds to take the final regulatory action.	
	Reference to the relevant documentation	
	Review report for the active substance parathion-methyl 2665/01-final: 18 October 2002 (copy attached) and supporting background documents (dossier, monograph, and the peer review report under the Peer review Programme (ECCO, October 2002)	
	Expected effect of the final regulatory action	
	Complete reduction of risk from plant protection uses.	

2.4.2	Is the reason for the final regulatory action relevant to the environment?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, give summary of the known hazards and risks to the environment	
	Final regulatory action was taken to protect non-target organisms.	
	Concerns were identified with regard to:	
	- Insectivorous birds: the acute and long-term risk was found unacceptable following the use of parathion-methyl on vines at the application rate of 0.3 kg a.s./ha, based on technical material data.	
	- Herbivorous mammals: the acute risk was found unacceptable following the use of parathion-methyl on vines at the application rate of 0.3 kg a.s./ha, based on technical material data.	
	The risk associated with the use of microencapsulated formulation was acceptable.	
	- Aquatic vertebrates: The risk evaluation based on data from both technical material and formulations found an unacceptable risk at the application rate of 0.3 kg a.s./ha on vines. The risk could be acceptable when mitigation measures (buffer zone) were used.	
	- Aquatic invertebrates: The acute and chronic risk associated with the use of both technical material and microencapsulated formulations was unacceptable at the application rate of 0.3 kg a.s./ha on vines, even when a buffer zone of 50 m was considered.	
	- High toxicity was recorded for non-target arthropods, and the long-term risk to earthworms was unacceptable.	
	Reference to the relevant documentation	
	Review report for the active substance parathion-methyl 2665/01-final: 18 October 2002(copy attached) and supporting background documents (dossier, monograph, and the peer review report under the Peer review Programme (ECCO, October 2002)	
	Expected effect of the final regulatory action	
	Complete reduction of risk from plant protection uses	

2.5	Category or categories where the final regulatory action has been taken
------------	--

2.5.1	Final regulatory action has been taken for the chemical category	<input checked="" type="radio"/> Industrial
	Use or uses prohibited by the final regulatory action	
	Not relevant	
	Use or uses that remain allowed	
No known industrial uses. Not relevant.		

2.5.2	Final regulatory action has been taken for the chemical category	<input checked="" type="checkbox"/> Pesticide
	Formulation(s) and use or uses prohibited by the final regulatory action	
	Formulation(s) and use or uses that remain allowed	

All applications as plant protection product.

EC 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 2003/166/EC (i.e. until 9 September 2004).

2.5.3 Estimated quantity of the chemical produced, imported, exported and used, where available.		
	Quantity per year (MT)	Year
Produced	Not available	
Imported	Not available	
Exported	Not available	
Used	Not available	

2.6	Indication, to the extent possible, of the likely relevance of the final regulatory action to other states and regions
	<p>The final regulatory action was taken in light of the conclusions of the risk evaluation performed for uses as proposed in Northern and Southern European Member States, which covered a large and diverse geographic area.</p> <p>Similar health and environmental problems are likely to be encountered in other countries where substance is used, particularly in developing countries.</p>

2.7	Other relevant information that may cover:
2.7.1	Assessment of socio-economic effects of the final regulatory action

2.7.2	Information on alternatives and their relative risks
	<p>Intended uses within the European Community were to control <i>Clysia ambiguella</i> (common names: Grape bud moth, Vine moth, Grape cochylis) on vines (grape vine and table grape).</p> <p>Biological agents, such as Trichogrammatidae, genre Trichogramma may be used to combat <i>Clysia ambiguella</i>.</p>
2.7.3	Relevant additional information

PART III : GOVERNMENT AUTHORITIES

Ministry/Department and authority responsible for issuing/enforcing the final regulatory action	
Institution	European Commission
Address	Rue de la Loi, 200 B-1049 Brussels Belgium
Telephone	+322 299 48 60
Telefax	+322 299 8558
E-mail address	klaus.berend@cec.eu.int
Designated National Authority	
Institution	DG Environment European Commission
Address	Rue de la Loi, 200 B-1049 Brussels Belgium
Name of person in charge	Klaus BEREND
Position of person in charge	Administrator
Telephone	+322 299 48 60
Telefax	+322 296 76 17
E-mail address	env-pic@cec.eu.int



Date, signature of DNA and official seal: 8.10.03



FORMULARIO

NOTIFICACIÓN DE MEDIDA REGLAMENTARIA FIRME PARA PROHIBIR O RESTRINGIR RIGUROSAMENTE UN PRODUCTO QUÍMICO

IMPORTANTE: Véanse las instrucciones antes de rellenar el formulario

PAÍS: REPÚBLICA ORIENTAL DEL URUGUAY

PARTE I: PROPIEDADES, IDENTIFICACIÓN Y USOS

1. IDENTIDAD DEL PRODUCTO QUÍMICO		
1.1	Nombre común	Metil Paration
1.2	Nombre del producto químico en una nomenclatura internacionalmente reconocida (por ejemplo, la de la UIQPA), si tal nomenclatura existe	O,O-Dimetil O-4-nitrofenil fosforotioato
1.3	Nombres comerciales y nombres de las preparaciones	Agrex 60-2, Agrometil, Agrotox 50, Arathion, Azobane, Bacidal Saniflor, Basmetil, Bellotion, Biedo, Cekumethion, Dimetiox 20, Ditol, Ecadion methyl, Eltox 40 EC, Folidol M, Folidol Ultra, Folipolvo, Folitox, Fosmetile 25, Fostox metil, Insecfos, Invertox, Kelthane, Lirothion, Mefos 40 EC, Mepaton, Mepatox 2, Metacide, Metagran, Metaphos, Metil paration, Methyl Paretox, Metil Paraben, Metox 20, Neutron extra, Nitrox 80, Oleo paration, Parafos, Parathion metílico, Paramethyl 40 EC, Paratox, Penncap M, Penntox, Super Acarol EC, Taxi-Solon, Toxition, Trimeton EC, Unidol, Vention, Vention Super 2, Wintol, Wofatox.
1.4	Números de código	
1.4.1	Número CAS	298-00-0
1.4.2	Código aduanero del Sistema Armonizado	38081091 (insecticida líquido) 38081092 (insecticida polvo)
1.4.3	Otros números (especificar el sistema de numeración)	Nº RTECS TG0175000

SÍRVASE ENVIAR DE VUELTA EL FORMULARIO RELLENADO A:

Secretaría del Convenio de Rotterdam Plant Protection Service Plant Production and Protection Division, FAO Viale delle Terme di Caracalla 00100 Rome, Italy Teléfono: (+39 06) 5705 3441 Fax: (+39 06) 5705 6347 Correo electrónico: pic@fao.org	O	Secretaría del Convenio de Rotterdam UNEP Chemicals 11-13, Chemin des Anémones CH - 1219 Châtelaine, Geneva, Switzerland Teléfono: (+41 22) 917 8296 Fax: (+41 22) 917 8082 Correo electrónico: pic@pic.int
--	---	---

1.5 Indicación respecto de una notificación anterior sobre este producto químico, si la hubiere	
1.5.1	<input checked="" type="checkbox"/> La presente es una primera notificación de una medida reglamentaria firme respecto de este producto químico.
1.5.2	<input type="checkbox"/> La presente es una modificación de una medida reglamentaria firme de una notificación presentada anteriormente respecto de este producto químico. <input type="checkbox"/> Esta notificación sustituye todas las notificaciones presentadas con anterioridad respecto de este producto químico.
Fecha de emisión de la notificación anterior: _____	

1.6 Información sobre clasificación de peligros, si el producto químico está sujeto a requisitos de clasificación	
Sistemas de clasificación internacionales	Categoría de peligro
OMS	Clase 1a (extremadamente peligroso)
U.S. EPA	Categoría 1 (altamente tóxico)
U.S. EPA	Grupo C (posible carcinógeno en humanos)
EU	T+ (muy tóxico)
IARC	Grupo 3
Otros sistemas de clasificación	Categoría de peligro

1.7 Uso o usos del producto químico	
1.7.1	<input checked="" type="checkbox"/> Plaguicida Describa los usos del producto químico como plaguicida en su país: _____ Insecticida y acaricida de amplio espectro.
1.7.2	<input type="checkbox"/> Industrial Describa los usos industriales del producto químico en su país: _____

1.8 Propiedades	
1.8.1	Descripción de las propiedades fisico-químicas

<p>Aspecto: Sólido cristalino incoloro</p> <p>Fórmula: $C_8H_{10}NO_5PS$</p> <p>Peso Molecular: 263.3</p> <p>Punto de Fusión: 35-65 °C</p> <p>Punto de ebullición: 154 °C / 136 Pa</p> <p>Presión de vapor (20°C): 0.2 mPa</p> <p>Solubilidad en agua (20°C): 55 mg/L</p> <p>Kow logP: 3.0</p> <p>Constante de Ley de Henry: $8.57 \times 10^{-3} Pa \text{ m}^3/mol$</p> <p>Soluble en la mayoría de los solventes orgánicos</p> <p>Ch₂Cl₂, Tolueno, >200 g/L.</p> <p>Hexano 10-20 g/L.</p> <p>Estabilidad: Rápidamente hidrolizado en medio alcalino o ácido.</p> <p>Ref.: The Pesticide Manual. Thirteenth Edition. CDS Tomlin. 2003 BCPC.</p>
--

1.8.2	Descripción de las propiedades toxicológicas
	<p><u>Toxicidad aguda:</u></p> <p>Oral</p> <ul style="list-style-type: none"> - DL50 ratas: 14 mg/kg (OMS). - DL50 rata: 18 - 50 mg/kg. - DL50 ratón: 14.5 - 19.5 mg/kg. - DL50 conejo: 420 mg/kg. - DL50 conejillo de Indias: 1270 mg/kg. - DL50 perro: 90 mg/kg. <p>Dérmica</p> <ul style="list-style-type: none"> - DL50 rata: 63 - 491 mg/kg. - DL50 ratón: 1200 mg/kg. - DL50 conejo: 300 mg/kg. <p>Inhalación</p> <ul style="list-style-type: none"> - CL50 rata: 34 mg/m³/4h. - CL50ratón: 120 mg/m³/4h. <p>Se puede absorber por las vías respiratoria, digestiva y dérmica. En contacto con la piel y los ojos, puede causar quemaduras.</p> <p>Ref.: Organización Panamericana de la Salud (OPS). Organización Mundial de la Salud (OMS)..</p>
1.8.3	Descripción de las propiedades ecotoxicológicas
	<p>Posee movilidad en el suelo mediana y también es poco bioacumulable. Es muy tóxico para organismos acuáticos y para los animales que se alimentan de éstos, al igual que para las abejas. Moderadamente peligroso para aves.</p> <p><u>Toxicidad Aguda</u></p> <p>Aves: LC50 (5d) pato silvestre: 1044mg/Kg</p> <p>Peces: LC50 (96h) trucha arco iris: 2.7 mg/L</p> <p>Dafnia: LC50 (48h): 0.0073 mg/L.</p> <p>Algas: ErC50 (Scenedesmus subspicatus) 3mg/L</p> <p>Lumbrices se suelo: LC50 40mg/Kg de suelo.</p> <p>Tóxico para abejas</p> <p>Ref.: The Pesticide Manual. Thirteenth Edition. CDS Tomlin. 2003 BCPC.</p>

PARTE II. MEDIDA REGLAMENTARIA FIRME

2.	MEDIDA REGLAMENTARIA FIRME	
2.1	El producto químico está: \emptyset prohibido O X \emptyset rigurosamente restringido	
2.2	Información específica sobre la medida reglamentaria firme	
2.2.1	Resumen de la medida reglamentaria firme	
	<p>Debido a:</p> <ul style="list-style-type: none"> - la alta toxicidad para el ser humano de los productos a base de metil paration y, particularmente, el elevado riesgo para quienes los aplican; - el elevado riesgo para insectos benéficos y su extrema toxicidad para aves; - que a pesar de su alta toxicidad, el riesgo puede ser sensiblemente disminuido por la utilización de formulaciones microencapsuladas; - su corta vida media, su rápida degradación microbiana y la escasa capacidad de bioconcentración, le confieren algunas ventajas desde el punto de vista ambiental; - para algunos de los usos autorizados del metil paration, no existen productos sustitutivos que cumplan con las condiciones de menor toxicidad e igualdad, en cuanto a eficacia del producto, lo que amerita mantener la autorización de formulaciones microencapsuladas y usos específicos; - todas las formulaciones a base de este ingrediente activo, exceptuando las microencapsuladas, integran la nómina de productos incluidos en el Procedimiento de Consentimiento Fundamentado Previo de la FAO / PNUMA; <p>Se Prohíbe el registro y la aplicación de productos fitosanitarios a base de metil paration para todo uso agrícola a excepción de:</p> <ol style="list-style-type: none"> 1- los formulados como microcápsula dispersa en agua que además cumplan con las siguientes condiciones: <ul style="list-style-type: none"> - Uso: solo en frutales - Tiempo de espera: 35 días - Aplicación: solo terrestre - Concentración de ingrediente activo: máximo 45% (p/v). 2- los hormiguicidas formulados como polvo con un porcentaje de ingrediente activo igual o menor al 2%. 	
2.2.2	Referencia al documento reglamentario	
	Resolución del Ministerio de Ganadería, Agricultura y Pesca. Montevideo, 30 de enero 2002.	
2.2.3	Fecha de entrada en vigor de la medida reglamentaria firme	
	30 de Junio de 2002.	
2.3	La medida reglamentaria firme se tomó sobre la base de una evaluación de los riesgos o peligros?	X\emptyset Sí \emptyset No
	En caso afirmativo, proporcione información sobre dicha evaluación	
	Se realizó en base a los peligros inherentes a los productos a base de metil paration. Sustancia incluida en el Procedimiento de Consentimiento Fundamentado Previo (FAO/PNUMA). Dada su elevada toxicidad para el ser humano y su alta toxicidad para insectos benéficos y aves, significa un gran riesgo para los trabajadores rurales, para el resto de la población expuesta y para el ecosistema en general.	
	Referencia a la documentación pertinente	

	Sustancia incluida en el Procedimiento de Consentimiento Fundamentado Previo. (FAO/PNUMA).
--	--

2.4	Motivos para tomar la medida reglamentaria firme	
2.4.1	El motivo por el que se adoptó la medida reglamentaria firme guarda relación con la salud humana?	X <input type="radio"/> Sí <input type="radio"/> No
	En caso afirmativo, proporcione un resumen de los peligros y los riesgos conocidos que el producto químico plantea para la salud humana, incluida la salud de los consumidores y de los trabajadores	
	Se realizó considerando la alta toxicidad de dichos productos para el ser humano y, particularmente, el elevado riesgo para quienes los aplican.	
	Referencia a la documentación pertinente	
	Sustancia incluida en el Procedimiento de Consentimiento Fundamentado Previo. (FAO/PNUMA).	
	Efecto previsto de la medida reglamentaria firme	
	Restringir y disminuir el uso de productos a base de metil paration con la consecuente disminución de los riesgos para los trabajadores rurales y la salud humana en general.	

2.4.2	El motivo por el que se adoptó la medida reglamentaria firme guarda relación con el medio ambiente?	X <input type="radio"/> Sí <input type="radio"/> No
	En caso afirmativo, proporcione un resumen de los peligros y riesgos conocidos respecto del medio ambiente	
	Debido a la toxicidad inherente a los productos a base de metil paration , el uso de éstos significa un elevado riesgo para aves e insectos benéficos.	
	Referencia a la documentación pertinente	
	Sustancia incluida en el Procedimiento de Consentimiento Fundamentado Previo. (FAO/PNUMA).	
	Efecto previsto de la medida reglamentaria firme	
	Restringir y disminuir el uso de productos fitosanitarios a base de metil paration con la consecuente disminución de los riesgos y peligros para el medio ambiente..	

2.5	Categoría o categorías con respecto a las cuales se ha adoptado la medida reglamentaria firme	
2.5.1	La medida reglamentaria firme se ha tomado para la categoría del producto químico	<input type="radio"/> Industrial
	Uso o usos prohibidos por la medida reglamentaria firme	
	Uso o usos que se siguen autorizando	

2.5.2	La medida reglamentaria firme se ha tomado para la categoría del producto químico	X <input type="radio"/> Plaguicida
	Formulación (o formulaciones) y uso (o usos) prohibidos por la medida reglamentaria firme	

<p>Se prohíben todas la formulaciones a base de metil paration a excepción de los microencapsulados solubles en agua y los hormiguicidas formulados en polvo con un porcentaje de ingrediente activo igual o menor al 2%.</p>	
Formulación o formulaciones y uso o usos que se siguen autorizando	
<p>Formulados en microcapsulas que además cumplan con las siguientes condiciones:</p> <ul style="list-style-type: none">a) Uso: solo en frutalesb) Tiempo de espera: 35 díasc) Aplicación: solo terrestred) Concentración de ingrediente activo: máximo 45% (p/v).	
<p>Hormiguicidas formulados como polvo con un porcentaje de ingrediente activo igual o menor al 2%.</p>	

2.5.3 Estimación de las cantidades del producto químico producido, importado, exportado y utilizado, en los casos en que se disponga de ese dato, si fuese posible		
	Cantidad al año (TM)	Año
Se produce		
Se importa		
Se exporta		
Se usa		

2.6 Indicación, en la medida de lo posible, de la probabilidad de que la medida reglamentaria firme afecte a otros Estados o regiones	

2.7 Información adicional pertinente que puede incluir:	
2.7.1	Una evaluación de los efectos socioeconómicos de la medida reglamentaria firme

2.7.2	Información sobre alternativas y sus riesgos relativos
--------------	---

2.7.3	Información complementaria pertinente

PARTE III: AUTORIDADES GUBERNAMENTALES

Ministerio/Departamento y autoridad encargada de la emisión/aplicación de la medida reglamentaria firme	
Institución	Ministerio de Ganadería Agricultura y Pesca
Dirección	Millán 4703
Teléfono	+ 5982 3098410 interno 103
Telefax	
Dirección electrónica	halmirati@mgap.gub.uy
Autoridad nacional designada	
Institución	Ministerio de Ganadería Agricultura y Pesca
Dirección	Millán 4703
Nombre de la persona responsable	Ing. Agr. Humberto Almirati
Cargo de la persona responsable	Director de la Dirección General de Servicios Agrícolas
Teléfono	+ 5982 3098410 interno 103
Telefax	
Correo electrónico	halmirati@mgap.gub.uy

Fecha, firma de la autoridad nacional designada y sello oficial: _____


 Ing. Agr. HUBERTO ALMIRATI LOMBARDI
 DIRECTOR GENERAL
 PROGRAMA 004
 M.G.A.R. • SERVICIOS AGRICOLAS



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

IMPORTANT: See instructions before filling in the form

COUNTRY: THE EASTERN REPUBLIC OF URUGUAY

PART I: PROPERTIES, IDENTIFICATION AND USES

1. IDENTITY OF CHEMICAL		
1.1	Common name	Parathion-methyl
1.2	Chemical name according to an internationally recognized nomenclature (e.g. IUPAC), where such nomenclature exists	O,O-Dimethyl O-4-nitrophenyl phosphorothioate
1.3	Trade names and names of preparations	Agrex 60-2, Agrometil, Agrotox 50, Arathion, Azobane, Bacidal Saniflor, Basmetil, Bellotion, Biedo, Cekumethion, Dimetiox 20, Ditol, Ecadion methyl, Eltox 40 EC, Folidol M, Folidol Ultra, Folipolvo, Folitox, Fosmetile 25, Fostox metil, Insecfox, Invertox, Kelthane, Lirothion, Mefos 40 EC, Mepaton, Mepatox 2, Metacide, Metagran, Metaphos, Metil Paration, Methyl Paretox, Metil Paraben, Metox 20, Neutron extra, Nitrox 80, Oleo paration, Parafos, Parathion metilico, Paramethyl 40 EC, Paratox, Pennicap M, Penntox, Super Acarol EC, Taxi-Solon, Toxition, Trimeton EC, Unidol, Vention, Vention Super 2, Wintol, Wofatox.
1.4	Code numbers	
1.4.1	CAS number	298-00-0
1.4.2	Harmonized System customs code	38081091 (liquid insecticide) 38081092 (powder insecticide)
1.4.3	Other numbers (specify the numbering system)	N° RTECS TG0175000
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.	

PLEASE RETURN THE COMPLETED FORM TO:

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

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

1.5.2	<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
WHO	Class 1a (extremely harmful)
U.S. EPA	Cat I (highly toxic)
U.S. EPA	Group C (possible carcinogenic for humans)
EU	T+ (very toxic)
IARC	Group 3
Other classification systems	Hazard class

1.7 Use or uses of the chemical	
1.7.1	<input checked="" type="checkbox"/> Pesticide
	Describe the uses of the chemical as a pesticide in your country: Wide spectrum insecticide and miticide
1.7.2	<input type="checkbox"/> Industrial
	Describe the industrial uses of the chemical in your country:

1.8 Properties	
1.8.1	Description of physico-chemical properties of the chemical Aspect: colourless crystalline solid Formula: C ₈ H ₁₀ NO ₅ PS Molecular weight: 263.3 Fusion Point : 35-65°C Boiling Point: 154°C /136 Pa Steam pressure(20°C): 0.2 mPa Solubility in water (20°C): 55 mg/L Kow logP (20°): 3.0 Henry's Law constant: 8,57x10 ⁻³ Pa m ³ /mol Soluble in most organic solvents: CH ₂ CL ₂ Toluene >200 g/L Hexane 10-20 g/L Stability: rapidly hydrolyzed in acid or alkaline environment Ref.: The Pesticide Manual. Thirteen Edition. CDS Tomlin. 2003 BCPC.

1.8.2	Description of toxicological properties of the chemical
--------------	--

	<p>Acute Toxicity: Oral</p> <ul style="list-style-type: none"> - DL50 rats 14 mg/Kg (WHO) - DL50 rat 18-50 mg/Kg - DL50 mice 14.5-19.5 mg/Kg - DL50 rabbit 420 mg/Kg - DL50 guinea pigs 1270 mg/Kg - DL50 dog 90 mg/Kg <p>Derma</p> <ul style="list-style-type: none"> - DL50 rat 63-491 mg/Kg - DL50 mice: 1200 mg/Kg - DL50 rabbit: 300 mg/Kg <p>Inhalation</p> <ul style="list-style-type: none"> - CL50 rat 34 mg/m³/4h. - CL50 mice 120mg/m³/4h <p>The substance can be absorbed by inhalation, ingestion and through the skin When contact with skin and eyes occurs can cause burnings</p> <p>Ref.: Pan-American Health Organization (OPS) World Health Organization (WHO)</p>
<p>1.8.3</p>	<p>Description of ecotoxicological properties of the chemical</p> <p>Half mobility in soil and hardly bioaccumulative. Very toxic for aquatic organisms and for animals feeding on them, and also for bees. Moderately harmful for birds.</p> <p>Acute Toxicity:</p> <ul style="list-style-type: none"> - Birds LC50 (5 d) wild duck 1044 mg/Kg - Fish LC50 (96h) rainbow trout 2.7 mg/L - Daphnia LC50 (48 h) 0.0073 mg/L - Algae ErC50 (Scenedesmus subspicatus) 3 mg/L - Earthworms LC50 40 mg/Kg soil <p>Toxic for bees Ref.: The Pesticide Manual. Thirteen Edition. CDS Tomlin. 2003 BCPC.</p>

PART II: FINAL REGULATORY ACTION

<p>2. FINAL REGULATORY ACTION</p>	
<p>2.1</p>	<p>The chemical is: <input type="checkbox"/> banned OR <input checked="" type="checkbox"/> severely restricted</p>
<p>2.2 Information specific to the final regulatory action</p>	
<p>2.2.1</p>	<p>Summary of the final regulatory action</p> <p>Because</p> <ul style="list-style-type: none"> -the high toxicity for the human been of based-parathion methyl products and, particularly, the high risks for the workers (applicators); -the high risk for beneficial insects and the extreme toxicity for birds; -the risk can be significantly decreased by the use of formulations in microcapsules, despite its high toxicity; -its short half life, its rapid microbial degradation and the limited capacity of bioconcentration, confer some benefits from the environmental aspect; -for some of the allowed uses of parathion methyl there are no alternative products that meet the conditions of lower toxicity and equality, referred to the effectiveness of the product, and therefore is convenient to maintain the authorization for microcapsules formulations and specific uses; -all formulations based on this active ingredient, except the microcapsules, are included in the FAO/UNEP PIC Procedure; <p>Register and application of phytosanitary products based on parathion methyl is prohibited for all agricultural use, except for:</p> <ol style="list-style-type: none"> 1- microcapsule formulations diluted in water that meet the following conditions: Used only in fruit trees; waiting time 35 days, only terrestrial applications, active ingredient maximum 45% (p/v) 2- Anti ant powder formulations with active ingredient equal or less than 2%
<p>2.2.2</p>	<p>Reference to the regulatory document</p> <p>Resolution of Ministry of Livestock, Agriculture and Fisheries. Montevideo 30 January 2002</p>

2.2.3	Date of entry into force of the final regulatory action 30 June 2002
--------------	--

2.3	Was the final regulatory action based on a risk or hazard evaluation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, give information on such evaluation It is based on the inherent properties of parathion methyl-based products. Substance included in the FAO/UNEP PIC Procedure. Because its high toxicity for the human and for beneficial insects and birds, represents a great risk to rural workers, for the rest of the exposed population and the ecosystem in general	
	Reference to the relevant documentation Substance included in the Prior Inform Consent Procedure (FAO/UNEP)	

2.4	Reasons for the final regulatory action	
2.4.1	Is the reason for the final regulatory action relevant to the human health?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, give summary of the known hazards and risks presented by the chemical to human health, including the health of consumers and workers It was adopted considering the high toxicity of such products for the human health and, particularly, the high risk of rural workers applicators	
	Reference to the relevant documentation Substance included in the Prior Inform Consent Procedure (FAO/UNEP)	
	Expected effect of the final regulatory action Restrict and decrease the use of parathion methyl-based products, minimizing the risks for the rural workers and the human health in general	

2.4.2	Is the reason for the final regulatory action relevant to the environment?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	If yes, give summary of the known hazards and risks to the environment Because the high toxicity of parathion methyl-based products, their use means a high risk for birds and beneficial insects	
	Reference to the relevant documentation Substance included in the Prior Inform Consent Procedure (FAO/UNEP)	
	Expected effect of the final regulatory action Restrict and decrease the use of parathion methyl-based phytosanitary products, minimizing the risks and harms for the environment	

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

2.5.2	Final regulatory action has been taken for the chemical category	<input checked="" type="checkbox"/> Pesticide
	Formulation(s) and use or uses prohibited by the final regulatory action Prohibited all formulations based on parathion methyl, except microcapsules soluble in water and anticides (powder formulations with active ingredient equal or less than 2%)	
	Formulation(s) and use or uses that remain allowed Microcapsule formulations diluted in water that meet the following conditions: Used only in fruit trees; waiting time 35 days, only terrestrial applications, active ingredient maximum 45% (p/v) Anti ant powder formulated with active ingredient equal or less than 2%	

2.5.3 Estimated quantity of the chemical produced, imported, exported and used, where available.		
	Quantity per year (MT)	Year
Produced		
Imported		
Exported		
Used		

2.6	Indication, to the extent possible, of the likely relevance of the final regulatory action to other states and regions

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

PART III : GOVERNMENT AUTHORITIES

Ministry/Department and authority responsible for issuing/enforcing the final regulatory action	
Institution	Ministry of Livestock, Agriculture and Fisheries
Address	Millán 4703
Telephone	+5982 3098410 ext. 103
Telefax	
E-mail address	halmirati@mgap.gub.uy
Designated National Authority	
Institution	Ministry of Livestock, Agriculture and Fisheries
Address	Millán 4703
Name of person in charge	Ing. Agr. Humberto Almirati
Position of person in charge	Director of General Direction of Agricultural Services
Telephone	+5982 3098410 ext. 103
Telefax	
E-mail address	halmirati@mgap.gub.uy

Date, signature of DNA and official seal: _____