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The *Agricultural and Veterinary Chemical Code Act 1994* (the Act) commenced on 15 March 1995. The Agricultural and Veterinary Chemicals Code (the Agvet Code) scheduled to the Act requires notices to be published in the *Gazette* containing details of the registration of agricultural and veterinary chemical products and other approvals granted by the Australian Pesticides and Veterinary Medicines Authority. The Agvet Code and related legislation also requires certain other notices to be published in the *Gazette*. A reference to Agvet Codes in this publication is a reference to the Agvet Code in each state and territory jurisdiction.

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General information

The APVMA Gazette is published fortnightly and contains details of the registration of agricultural and veterinary chemicals products and other approvals granted by the APVMA, notices as required by the Agricultural and Veterinary Chemicals Code (the Agvet Code) and related legislation and a range of regulatory material issued by the APVMA.

Pursuant to section 8J(1) of the Agvet Code, the APVMA has decided that it is unnecessary to publish details of applications made for the purpose of notifying minor variations to registration details. The APVMA will however report notifications activity in quarterly statistical reports.

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Notice of decision on reconsideration under section 34AC of the Agricultural and Veterinary Chemicals Code – affirmations for chlorpyrifos reconsideration

- 1) I, Sheila Logan, Executive Director, Risk Assessment Capability, pursuant to section 34AC(1)(b) of the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994* (Agvet Code) publish this notice of decision for the chlorpyrifos reconsideration.
- 2) Pursuant to section 34A(1) of the Agvet Code, I, Sheila Logan, Executive Director, Risk Assessment Capability, have varied the relevant particulars and/or conditions of these approvals and registrations in such a way to allow the approvals and registrations to be affirmed.
- 3) Pursuant to section 34(1) of the Agvet Code, I, Sheila Logan, Executive Director, Risk Assessment Capability, have affirmed the chlorpyrifos active constituent approvals, product registrations and label approvals listed in Attachment A of this notice as varied.

Brief reasons for decisions

- 4) The APVMA published notice of the proposed regulatory decisions for the reconsideration of chlorpyrifos active constituent approvals, chemical product registrations, and label approvals under Part 2, Division 4 of the Agvet Code on 12 December 2023. These proposed regulatory decisions were subject to a 3 month public consultation. I, Sheila Logan, Executive Director, Risk Assessment Capability, have had regard to all submissions received in response to the public consultation before making this decision.

Active constituents

- 5) In accordance with section 34A(1) of the Agvet Code, the condition of approval referred to as the 'Agricultural Active Constituents Quality Assurance Requirements' has been varied to remove an obsolete definition and remove duplicate conditions imposed by the Agvet Regulations or the requirements of the *Agricultural and Veterinary Chemicals Code (Agricultural Active Constituents) Standards 2022* (Active Constituent Standards 2022).
- 6) I, Sheila Logan, Executive Director, Risk Assessment Capability, am satisfied that the active constituent approvals listed in Attachment A, as varied, meet the safety criteria and comply with any requirements prescribed by the regulations. Therefore, pursuant to section 34(1) of the Agvet Code, I have affirmed the active constituent approvals listed in Attachment A of this notice.

Chemical products

- 7) In accordance with section 34A(1) of the Agvet Code, the conditions and relevant particulars of the chemical product registrations have been varied in the following ways to allow affirmation.
 - a) The instructions for the use chlorpyrifos chemical products have been removed for situations where:
 - the risks to professional workers who mix, load and/or apply products could not be adequately mitigated based on available information
 - the potential risks that may be posed to human beings by the level of chlorpyrifos residues in food commodities could not be adequately mitigated based on available information
 - the risks to non-target species could not be adequately mitigated based on current available information,
 - there is currently insufficient information from trials or laboratory experiments to determine the level of chlorpyrifos residues expected in relevant crop commodities
 - the risks to trade or commerce between Australia and places outside Australia could not be adequately mitigated based on current available information.

- b) In relation to remaining uses of chlorpyrifos chemical products, the instructions for use have been further varied to include additional instructions and restraints that are required:
- to mitigate risks to professional worker, non-professional end users, children who could potentially re-enter treated areas, non-target species and sensitive areas
 - to mitigate the potential risks that may be posed to human beings by chlorpyrifos residues in food commodities
 - to prevent an undue risk to international trade.
- c) The composition and purity of the chlorpyrifos constituent entered into the Register have been varied in line with the updated minimum purity limits of 970 g/kg chlorpyrifos.
- d) For chemical products whose current formulation details indicate use of an active constituent with a purity less than 970 g/kg chlorpyrifos (but greater than or equal to 940 g/kg chlorpyrifos), a condition of registration has been added that requires holders to provide the APVMA with updated formulation details within 12 months.
- e) The distinguishing name of some products have been varied to remove reference to a use pattern not supported due to safety concerns.
- f) The condition referred as the 'Agricultural Products Active Constituent Quality Assurance Requirements' has been varied to remove an obsolete definition and unnecessary duplication already imposed by the Agvet Code and Agvet Regulations.
- 8) I, Sheila Logan, Executive Director, Risk Assessment Capability, am satisfied that the chemical product registrations listed in Attachment A, as varied, meet the safety, efficacy and trade criteria and comply with any requirements prescribed by the regulations. Therefore, pursuant to section 34(1) of the Agvet Code, I have affirmed the chemical product registrations listed in Attachment A of this notice.

Labels for chemical products

- 9) In accordance with section 34A(1) of the Agvet Code, the particulars of the label approvals have been varied in such a way as to allow the approvals to be affirmed. That is, in such a way that the labels contain adequate instructions in relation to the following elements listed in section 5D(1) of the Agvet Code and, for some products, so that the name of the chemical product to appear on the label is not misleading.
- the circumstances in which the products should be used
 - how the products should be used
 - the times when the products should be used
 - the frequency of the use of the products
 - the withholding period after the use of the products
 - the re-entry period after the use of the products
 - the disposal of the products when they are no longer required
 - the disposal of containers of the products
 - the safe handling of the product and first aid in the event of an accident caused by the handling of the product
 - for the prevention of undue prejudice to trade or commerce between Australia and places outside of Australia.
- 10) I, Sheila Logan, Executive Director, Risk Assessment Capability, am satisfied that the label approvals for chlorpyrifos products listed in Attachment A, as varied, meet the labelling criteria and comply with any requirements

prescribed by the regulations. Therefore, pursuant to section 34(1) of the Agvet Code, I have affirmed the label approvals for chlorpyrifos products listed in Attachment A of this notice.

- 11) Further, I, Sheila Logan, Executive Director, Risk Assessment Capability, have determined, pursuant to section 81(3)(c) of the Agvet Code, that subsection 81(3) applies in respect of the supply of the products listed in Attachment B, bearing labels that were previously approved but have now been varied, if the supply takes place not later than one year from the date of affirmation. Products bearing the previously approved labels listed in Attachment B must not be supplied after 30 September 2025.

Sheila Logan
Executive Director, Risk Assessment Capability

With the delegated authority under sections 11, 32 and 44 of the *Agricultural and Veterinary Chemicals (Administration) Act 1992*

Attachments

Note: The below Attachments form part of this Notice.

Attachment A: Affirmed chlorpyrifos approvals and registrations

Attachment B: Previously approved labels of affirmed chlorpyrifos products

Contact information

For any enquiries or further information about this matter, please contact:

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Attachment A: Affirmed chlorpyrifos approvals and registrations

Table 1: Chlorpyrifos active constituent approvals, product registrations and label approvals that have been varied and then affirmed pursuant to sections 34(A)1 and 34(1) of the Agvet Code

Type	Approval or registration number	Name	Holder	Affirmed label approval number associated with the registered product
Active constituent	44005	Chlorpyrifos	ADAMA Australia Pty Ltd	N/A
Active constituent	46888	Chlorpyrifos	Gharda Australia Pty Ltd	N/A
Active constituent	50886	Chlorpyrifos	Imtrade Australia Pty Ltd	N/A
Active constituent	55457	Chlorpyrifos	Agrogill Chemicals Pty Ltd	N/A
Active constituent	60079	Chlorpyrifos	Agrogill Chemicals Pty Ltd	N/A
Active constituent	62025	Chlorpyrifos	Huilong Agrochemicals Australia Pty Ltd	N/A
Active constituent	64006	Chlorpyrifos	Netmatrix Crop Care Limited	N/A
Active constituent	65331	Chlorpyrifos	Nutrien Ag Solutions Limited	N/A
Active constituent	65346	Chlorpyrifos	Imtrade Australia Pty Ltd	N/A
Active constituent	65403	Chlorpyrifos	Sinon Australia Pty Ltd	N/A
Active constituent	67331	Chlorpyrifos	Agroshine Australia Pty Ltd	N/A
Active constituent	70330	Chlorpyrifos	Zhejiang Hengdian Imp. & Exp. Co Ltd	N/A
Active constituent	81656	Chlorpyrifos	Sanonda (Australia) Pty Ltd	N/A
Active constituent	82263	Chlorpyrifos	Nutrien Ag Solutions Limited	N/A
Active constituent	83860	Chlorpyrifos	Crystal Crop Protection (Australia) Pty Ltd	N/A
Active constituent	86105	Chlorpyrifos	Krishi Rasayan Exports Pvt. Ltd	N/A
Active constituent	87692	Chlorpyrifos	Lianyungang Liben Crop Science Co., Ltd	N/A
Product	42284	David Grays Chlorpyrifos 500	David Gray & Co Pty Ltd	42284/RV24
Product	45486	Strike-Out 500 EC Insecticide	ADAMA Australia Pty Ltd	45486/RV24
Product	49869	4Farmers Chlorpyrifos 500 Insecticide	4 Farmers Australia Pty Ltd	49869/RV24
Product	50387	Titan Chlorpyrifos 500 Termiticide and Insecticide	Titan Ag Pty Ltd	50387/RV24
Product	50452	Titan Chlorpyrifos PC 450 Insecticide	Titan Ag Pty Ltd	50452/RV24
Product	51190	Imtrade Chlorpyrifos 500 Insecticide	Imtrade Australia Pty Ltd	51190/RV24
Product	51875	Pidgeon's Pest Controller 500 Termiticide and Insecticide	Pooma Fertilizers Pty Ltd	51875/RV24

Type	Approval or registration number	Name	Holder	Affirmed label approval number associated with the registered product
Product	53428	Generifos 500EC Insecticide	Grow Choice Pty Ltd	53428/RV24
Product	55213	Kenso Agcare Kensban 500 Insecticide	Kenso Corporation (M) Sdn. Bhd.	55213/RV24
Product	55755	Surefire Fortune 500 Multi-Purpose Insecticide and Termiticide	PCT Holdings Pty Ltd	55755/RV24
Product	55897	Conquest Chlorpyrifos 500 Insecticide	Conquest Crop Protection Pty Ltd	55897/RV24
Product	60188	Genfarm Chlorpyrifos 500 Insecticide	Nutrien Ag Solutions Limited	60188/RV24
Product	60611	Huilong Chlorpyrifos 500 EC Insecticide	Huilong Agrochemicals Australia Pty Ltd	60611/RV24
Product	61071	Strike-Out 500 WP Insecticide	ADAMA Australia Pty Ltd	61071/RV24
Product	62672	Sabero Chlorpyrifos 500EC Insecticide	Coromandel Australia Pty Ltd	62672/RV24
Product	63086	Chemicide 500 Insecticide	Hextar Chemicals Pty Ltd	63086/RV24
Product	63145	AW Cuft 500 Insecticide and Termiticide	Agri West Pty Ltd	63145/RV24
Product	64319	Farmalinx Chlorpos 500 EC Insecticide	Farmalinx Pty Ltd	64319/RV24
Product	65160	Apparent Dingo 500 Insecticide	Titan Ag Pty Ltd	65160/RV24
Product	65556	Rainbow Chlorpyrifos 500 Insecticide	Shandong Rainbow International Co Ltd	65556/RV24
Product	66354	Ozcrop Chlorpyrifos 500 EC Insecticide	Oz Crop Pty Ltd	66354/RV24
Product	67451	Sabakem Chlorpyrifos 500EC Insecticide	Sabakem Pty Ltd	67451/RV24
Product	67887	Spalding Chlorpyrifos 500 Insecticide	DGL Environmental Pty Ltd	67887/RV24
Product	67984	Ezycrop Chlorpyrifos 500 Insecticide	Ezycrop Pty Ltd	67984/RV24
Product	68467	Chlorban 500 EC Insecticide	UPL Australia Pty Ltd	68467/RV24
Product	68574	Accensi Micro-Lo Termiticide and Insecticide	Accensi Pty Ltd	68574/RV24
Product	68575	Accensi Termiticide and Insecticide	Accensi Pty Ltd	68575/RV24
Product	68745	AC Chop 500 Insecticide and Termiticide	Axichem Pty Ltd	68745/RV24
Product	68781	Pyrinex Super Insecticide / Miticide	ADAMA Australia Pty Ltd	68781/RV24
Product	69048	Smart Chlorpyrifos 500 Insecticide	Crop Smart Pty Ltd	69048/RV24
Product	69671	Agrocn Chlorpyrifos 500 EC Insecticide and Termiticide	Shanghai Agrochina Chemical Co. Ltd.	69671/RV24
Product	69776	Accensi Chlorpyrifos 500 Insecticide	Accensi Pty Ltd	69776/RV24
Product	70410	Pyrigran Insecticide	Sulphur Mills Australia Pty Ltd	70410/RV24
Product	81735	ACP Chlorpyrifos 500 Insecticide	Australis Crop Protection Pty Ltd	81735/RV24
Product	83386	Sharda Chlorpyrifos 500 Insecticide	Sharda Cropchem Espana S.L	83386/RV24
Product	83426	Echem Chlorpyrifos 500 Insecticide	Echem (Aust) Pty Ltd	83426/RV24
Product	86189	Sinon Chlorpyrifos 500 Insecticide	Sinon Australia Pty Ltd	86189/RV24
Product	86612	Arysta Lifescience Chlorpyrifos 500 EC Insecticide	Arysta Lifescience Australia Pty Ltd	86612/RV24
Product	87086	Guangxin Chlorpyrifos 500 EC Insecticide	Anhui Guangxin Agrochemical Co Ltd	87086/RV24
Product	88651	Task 500 EC Insecticide	Hemani Industries Limited	88651/RV24
Product	89019	Kelpie Chlor-P 500 Insecticide & Termiticide	Sinochem International Australia Pty Ltd	89019/RV24

Type	Approval or registration number	Name	Holder	Affirmed label approval number associated with the registered product
Product	89696	Clip Insecticide	Sharda Cropchem Espana S.L	89696/RV24
Product	90204	Cropsure Sureban 500EC Insecticide	Cropsure Pty Ltd	90204/RV24
Product	90395	Cropsure Sureban 750WG Insecticide	Cropsure Pty Ltd	90395/RV24
Product	91024	APS Chlorpyrifos 500 EC Insecticide	Agricultural Product Services Pty Ltd	91024/RV24
Product	91672	Imtrade Outperform 630 Veriphy EC Insecticide/Miticide	Imtrade Australia Pty Ltd	91672/RV24
Product	91691	Imtrade Outplay 700 Veriphy EC Insecticide	Imtrade Australia Pty Ltd	91691/RV24
Product	92193	Eurochem Chlorpyrifos 750 WG Insecticide	Eurochem Pty Ltd	92193/RV24

Attachment B: Previously approved labels of affirmed chlorpyrifos products

Table 2: Chlorpyrifos products bearing previously approved labels subject to the determination made under section 81(3) of the Agvet Code

Type	Approval or registration number	Name	Holder	Previously approved label number(s) associated with the registered product
Product	42284	David Grays Chlorpyrifos 500	David Gray & Co Pty Ltd	42284/121034
Product	45486	Strike-Out 500 EC Insecticide	ADAMA Australia Pty Ltd	45486/121082
Product	49869	4Farmers Chlorpyrifos 500 Insecticide	4 Farmers Australia Pty Ltd	49869/120871
Product	50387	Titan Chlorpyrifos 500 Termiticide and Insecticide	Titan Ag Pty Ltd	50387/121071
Product	50452	Titan Chlorpyrifos PC 450 Insecticide	Titan Ag Pty Ltd	50452/121069
Product	51190	Imtrade Chlorpyrifos 500 Insecticide	Imtrade Australia Pty Ltd	51190/120804
Product	51875	Pidgeon's Pest Controller 500 Termiticide and Insecticide	Pooma Fertilizers Pty Ltd	51875/121017
Product	53428	Generifos 500EC Insecticide	Grow Choice Pty Ltd	53428/120951
Product	55213	Kenso Agcare Kensban 500 Insecticide	Kenso Corporation (M) Sdn. Bhd.	55213/121084
Product	55755	Surefire Fortune 500 Multi-Purpose Insecticide and Termiticide	PCT Holdings Pty Ltd	55755/120774
Product	55897	Conquest Chlorpyrifos 500 Insecticide	Conquest Crop Protection Pty Ltd	55897/121214, 55897/132968
Product	60188	Genfarm Chlorpyrifos 500 Insecticide	Nutrien Ag Solutions Limited	60188/121006, 60188/128641
Product	60611	Huilong Chlorpyrifos 500 EC Insecticide	Huilong Agrochemicals Australia Pty Ltd	60611/121217
Product	61071	Strike-Out 500 WP Insecticide	ADAMA Australia Pty Ltd	61071/121112
Product	62672	Sabero Chlorpyrifos 500EC Insecticide	Coromandel Australia Pty Ltd	62672/0809
Product	63086	Chemicide 500 Insecticide	Hextar Chemicals Pty Ltd	63086/120981
Product	63145	AW Cuft 500 Insecticide and Termiticide	Agri West Pty Ltd	63145/121216
Product	64319	Farmalinx Chlorpos 500 EC Insecticide	Farmalinx Pty Ltd	64319/121004
Product	65160	Apparent Dingo 500 Insecticide	Titan Ag Pty Ltd	65160/121164
Product	65556	Rainbow Chlorpyrifos 500 Insecticide	Shandong Rainbow International Co Ltd	65556/121116
Product	66354	Ozcrop Chlorpyrifos 500 EC Insecticide	Oz Crop Pty Ltd	66354/121036
Product	67451	Sabakem Chlorpyrifos 500EC Insecticide	Sabakem Pty Ltd	67451/121161
Product	67887	Spalding Chlorpyrifos 500 Insecticide	DGL Environmental Pty Ltd	67887/121005
Product	67984	Ezycrop Chlorpyrifos 500 Insecticide	Ezycrop Pty Ltd	67984/121026
Product	68467	Chlorban 500 EC Insecticide	UPL Australia Pty Ltd	68467/121060, 68467/138449
Product	68574	Accensi Micro-Lo Termiticide and Insecticide	Accensi Pty Ltd	68574/120878
Product	68575	Accensi Termiticide and Insecticide	Accensi Pty Ltd	68575/120879
Product	68745	AC Chop 500 Insecticide and Termiticide	Axichem Pty Ltd	68745/120954
Product	68781	Pyrinex Super Insecticide / Miticide	ADAMA Australia Pty Ltd	68781/102675, 68781/59066

Type	Approval or registration number	Name	Holder	Previously approved label number(s) associated with the registered product
Product	69048	Smart Chlorpyrifos 500 Insecticide	Crop Smart Pty Ltd	69048/121027
Product	69671	Agrocn Chlorpyrifos 500 EC Insecticide and Termiticide	Shanghai Agrochina Chemical Co. Ltd.	69671/120974
Product	69776	Accensi Chlorpyrifos 500 Insecticide	Accensi Pty Ltd	69776/120874
Product	70410	Pyrigran Insecticide	Sulphur Mills Australia Pty Ltd	70410/121073, 70410/134097
Product	81735	ACP Chlorpyrifos 500 Insecticide	Australis Crop Protection Pty Ltd	81735/120876
Product	83386	Sharda Chlorpyrifos 500 Insecticide	Sharda Cropchem Espana S.L	83386/121085
Product	83426	Echem Chlorpyrifos 500 Insecticide	Echem (Aust) Pty Ltd	83426/121086
Product	86189	Sinon Chlorpyrifos 500 Insecticide	Sinon Australia Pty Ltd	86189/120853
Product	86612	Arysta Lifescience Chlorpyrifos 500 EC Insecticide	Arysta Lifescience Australia Pty Ltd	86612/121076
Product	87086	Guangxin Chlorpyrifos 500 EC Insecticide	Anhui Guangxin Agrochemical Co Ltd	87086/117508
Product	88651	Task 500 EC Insecticide	Hemani Industries Limited	88651/121907
Product	89019	Kelpie Chlor-P 500 Insecticide & Termiticide	Sinochem International Australia Pty Ltd	89019/123174
Product	89696	Clip Insecticide	Sharda Cropchem Espana S.L	89696/125819
Product	90204	Cropsure Sureban 500EC Insecticide	Cropsure Pty Ltd	90204/128069
Product	90395	Cropsure Sureban 750WG Insecticide	Cropsure Pty Ltd	90395/128734
Product	91024	APS Chlorpyrifos 500 EC Insecticide	Agricultural Product Services Pty Ltd	91024/130772
Product	91672	Imtrade Outperform 630 Veriphy EC Insecticide/Miticide	Imtrade Australia Pty Ltd	91672/133090
Product	91691	Imtrade Outplay 700 Veriphy EC Insecticide	Imtrade Australia Pty Ltd	91691/133142
Product	92193	Eurochem Chlorpyrifos 750 WG Insecticide	Eurochem Pty Ltd	92193/134808

Template labels for affirmed chlorpyrifos labels approvals

Template label 1: Chlorpyrifos 450 g/L emulsifiable concentrate¹

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	[INSERT HERE]
Constituent statement:	ACTIVE CONSTITUENT: 450 g/L CHLORPYRIFOS (an anticholinesterase compound) SOLVENT: [INSERT CONCENTRATION] g/L LIQUID HYDROCARBONS
Mode of action:	Group 1B Insecticide
Statement of claims:	For the treatment of termite nests in wall cavities in accord with AS3600.2 and the control of other insect pests as per the directions for use table. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	[INSERT HERE]
Restrains:	RESTRAINTS DO NOT use in or around publicly accessible residential, public or commercial areas. DO NOT use in areas accessible to children. DO NOT apply using equipment carried on the back of the user. DO NOT apply using mechanically pressurized hand wand sprayer. DO NOT spray polycarbonate surfaces/roof sheeting or aged vinyl wall cladding as solvent may cause etching.
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	
Trade advice:	
General instructions:	GENERAL INSTRUCTIONS MIXING Half fill the spray tank with water (and add the required amount of [trade name], then add the remaining water with an agitator running. Only mix sufficient chemical for each specific application. CLEANING SPRAY EQUIPMENT After using [trade name], empty the spray equipment completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, and drain. To wash the system, quarter fill the tank with clean water and circulate through the lines, hoses and nozzles. Drain and repeat the washing procedure twice. Dispose of rinsate/rinse water in compliance with relevant local, state or territory government regulations. SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet. TERMITE NESTS Subterranean termites may establish a colony in a building without having contact with the soil because they have access to a continuous supply of moisture (e.g. from a faulty plumbing fixture or leaking roof). Such colonies are not affected by chemical soil barriers and should be treated as recommended for established colonies, as per Australian Standard Series AS 3660. [Trade name] may be applied directly to the termite colony in such situations.
Resistance warning:	GROUP 1B INSECTICIDE INSECTICIDE RESISTANCE WARNING For insecticide resistance management [trade name] is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to [trade name] and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if [trade name] or other Group 1B insecticides are used repeatedly. The effectiveness of [trade name] on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, [company name] accepts no liability for any losses that may result from the failure of [trade name] to control resistant insects.

¹ use patterns included in the directions for use may not be applicable to all products and some minor variations in instructions for use may exist across labels.

	[Trade name] may be subject to specific resistance management strategies. For further information contact your local supplier, [company name] representative or local agricultural department agronomist.
Precautions:	<p>RE-ENTRY TO TREATED AREAS – TERMITICIDE USE</p> <p>DO NOT permit re-occupation of any premises until treated areas are completely dry (normally 3–4 hours) and adequately ventilated.</p>
Protection statements:	<p>PROTECTION OF PETS AND LIVESTOCK</p> <p>Before spraying remove animals and pets from buildings and other areas to be treated. Cover or remove any open food and water containers. Cover or remove fish tanks before spraying. DO NOT allow animals and pets to contact treated areas for at least 24 hours.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.</p>
Storage and disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p><i>Refillable containers:</i> Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><i>Non-refillable metal or plastic containers:</i> Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p> <p><i>drumMUSTER containers:</i> This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced but may be taken separately.</p> <p><i>Envirodrums:</i> DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with any water or any other foreign matter. After each use, ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, return empty drum to the point of purchase.</p>
Safety directions:	<p>Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated exposure may cause allergic disorders. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When opening the container, preparing the spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, face shield or goggles, chemical resistant footwear and a half facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles, respirator (if rubber wash with detergent and warm water) and contaminated clothing.</p>
First aid instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
First aid warnings:	<p>Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.</p>

Directions for use:

Situation	Pest	Rate	Critical Comments
Commercial and industrial areas not accessible to the public	Ants including Argentine ants (outdoor use only)	110 mL/10 L of water	Use at least 1 L spray/10 m ² infested area. Locate ant nests and treat appropriately. Spray ant tracks or where ant activity is noticed. Apply to paths in continuous 300 mm bands. Apply to base of buildings, walls, fences, rock-works, trunks of shrubs and trees, and other hard surfaces to a height of 300 mm.
	Fleas (outdoor use only)	110 mL/10 L of water	Apply as a fine droplet spray. Outdoors only: Treat areas where animals frequent. Remove animals during treatment and until spray deposit is dry. DO NOT treat pets with this product. Pets should be treated with a product registered for application to animals.
Hides/skins	Hide Beetles	220 mL/100 L of water Use at least 30 mL of spray/skin	Apply spray to flesh side of skins or hides sufficient to moisten them. Ensure coverage of ears and lugs. To minimise the chance of later infestations, storage area should be sprayed regularly. Repeat application every 3 months.
Treatment of termite nest or colony in wall cavities	Termite colony	110 mL/10 L of water	Once the nest or colony has been located it should be broken open and flooded with emulsion If the nest is not accessible, holes should be drilled into the nest and the termiticide injected. In order to ensure eradication, the position of the royal cell should be identified by using a temperature probe and the immediate areas around it targeted. Refer to Australian Standard Series AS 3660. DO NOT treat outdoor nests, including nests located in trees.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Template label 2: Chlorpyrifos 500 g/L emulsifiable concentrate (insecticide uses only)²

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	[INSERT HERE]
Constituent statement:	ACTIVE CONSTITUENT: 500 g/L CHLORPYRIFOS (an anticholinesterase compound) SOLVENT: [INSERT CONCENTRATION] LIQUID HYDROCARBONS
Mode of action:	Group 1B Insecticide
Statement of claims:	For the control of certain insect pests in various situations as per the directions for use table. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	[INSERT HERE]
Restrains:	RESTRAINTS DO NOT use in or around publicly accessible residential, public or commercial areas. DO NOT use in areas accessible to children. DO NOT apply by aircraft. DO NOT apply using equipment carried on the back of the user. DO NOT apply using mechanically pressurized hand wand sprayer. DO NOT spray polycarbonate surfaces/roof sheeting or aged vinyl wall cladding as solvent may cause etching. SPRAY DRIFT RESTRAINTS [See attachment below for spray drift restraints]
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	GRAZING: FORAGE CROPS, LUCERNE, CLOVER SEED CROPS AND MEDICS DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION. TURF AND LAWN: DO NOT GRAZE OR FEED TURF OR LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK HARVEST: BRASSICA CROPS: NOT REQUIRED WHEN USED AS DIRECTED.
Trade advice:	Livestock Destined for Export Markets: The label withholding periods for grazing only apply to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the ESI is observed before stock are sold or slaughtered. EXPORT SLAUGHTER INTERVALS (ESIs) Grazing animals: Grazing animals that have been grazing on or fed treated crops should be placed on clean feed for 21 days prior to slaughter for export. Pigs: Pigs that have been fed treated crops should be placed on clean feed for 14 days prior to slaughter for export.
General instructions:	Thorough coverage is essential. Mixing: Add the required amount of product to the water in the spray tank while stirring or agitating. Agitate while spraying. SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet.

² use patterns included in the directions for use may not be applicable to all products and some minor variations in instructions for use may exist across labels.

Resistance warning:	<p>GROUP 1B INSECTICIDE INSECTICIDE RESISTANCE WARNING</p> <p>For insecticide resistance management [trade name] is a Group 1B insecticide.</p> <p>Some naturally occurring insect biotypes resistant to [trade name] and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if [trade name] or other Group 1B insecticides are used repeatedly. The effectiveness of [trade name] on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, [company name] accepts no liability for any losses that may result from the failure of [trade name] to control resistant insects.</p> <p>[Trade name] may be subject to specific resistance management strategies. For further information contact your local supplier, [company name] representative or local agricultural department agronomist.</p>
Precautions:	<p>RE-ENTRY PERIOD</p> <p>DO NOT enter treated brassica crops for 8 days after treatment for scouting, hand harvesting or hand weeding. DO NOT enter treated forage crops, lucerne crops, clover seed crops or medics for 2 days after treatment for scouting or for 8 days after treatment for irrigation (hand set). When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be washed after each day's use.</p> <p>These re-entry intervals do not apply if crops are treated pre-emergence or product is applied to soil at seed planting.</p>
Protection statements:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field runoff for at least 3 days after application.</p> <p>Toxic to birds and wild mammals. However, the use of this product as directed is not expected to have adverse effects on birds or wild mammals.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS</p> <p>Highly toxic to bees. To protect bees and pollinating insects, DO NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.</p> <p>INTEGRATED PEST MANAGEMENT</p> <p>Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.</p>
Storage and disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p><i>Refillable containers:</i> Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><i>Non-refillable metal or plastic containers:</i> Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p> <p><i>drumMUSTER containers:</i> This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced but may be taken separately.</p> <p><i>Envirodrums:</i> DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with any water or any other foreign matter. After each use, ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, return empty drum to the point of purchase.</p>

Safety directions:	Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated exposure may cause allergic disorders. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When opening the container, preparing the spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, face shield or goggles, chemical resistant footwear and a half facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles, respirator (if rubber wash with detergent and warm water) and contaminated clothing.
First aid instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First aid warnings:	Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.

SPRAY DRIFT RESTRAINTS:

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to 2 hours before sunset and persist until one to 2 hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones (metres)				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 260 mL	0.5 m or lower	5	240	0	0	0
140 mL or lower	0.5 m or lower	0	110	0	0	0
	1.0 m or lower	20	350	10	0	10
70 mL or lower	0.5 m or lower	0	55	0	0	0
	1.0 m or lower	10	150	0	0	0

DIRECTIONS FOR USE:**HORTICULTURAL AND FIELD CROPS**

CROP	INSECT	RATE Vol/ha	CRITICAL COMMENTS
Brassica Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Blue Oat Mite, Red-legged Earth Mite	140 mL/ha	DO NOT apply after 14 days of transplanting. In severe infestations, use of this product may not result in full control of pests. DO NOT apply more than once per year.
Forage Crops	Blue Oat Mite, Red-legged Earth Mite	70 to 140 mL	Spray when pests appear in large numbers, 3-6 weeks after autumn rains. DO NOT apply after stem elongation or rosette growth senescence (BBCH \geq 40).
	Lucerne Flea	70 mL	Avoid spraying when pests are sheltering. Spray when at least 2.5 cm cover of crop is present. DO NOT spray if rain is imminent. DO NOT apply more than once per year.
Lucerne, Clover seed crops	Blue Oat Mite. Red-legged Earth Mite	140 to 260 mL/ha	Apply as ground spray immediately prior to seedling emergence using sufficient water to give good cover. DO NOT apply after seedling emergence. DO NOT apply more than once per year.
Lucerne and Medics in Forage Crops	Spotted Alfalfa Aphid, Bluegreen Aphid, Pea Aphid	200 to 260 mL/ha	Spray when aphids first appear. Seedling lucerne, medics: Apply 1-2 aphids/plant are observed. DO NOT apply once side shoots start to appear (BBCH \geq 20). When a large number of aphids are invading the crop, use of this product may not result in full control of pests. DO NOT use on established lucerne. DO NOT apply more than once per year.

MISCELLANEOUS SITUATIONS

Situation	Pest	Rate	Critical Comments
Agricultural, commercial and industrial areas not accessible to the public	Argentine ant (outdoor use only)	1 L/100 L water	Spray ant tracts, nests or where ant activity is noticed. Apply to paths in continuous 30 cm bands. Apply to base of building walls, fences, rockwork trunks or shrubs and trees, and other hard surfaces to a height of 30 cm.
Commercial and industrial areas not accessible to the public	Ants including Argentine ants (outdoor use only)	95 mL/10 L of water Use at least 1 L spray/10 m ² infested area	Locate ant nests and treat appropriately. Spray ant tracks or where ant activity is noticed. Apply to paths in continuous 300 mm bands. Apply to base of buildings, walls, fences, rock-works, trunks of shrubs and trees, and other hard surfaces to a height of 300 mm.
	Fleas (outdoor use only)	90 mL/10 L of water	Apply as a fine droplet spray. Outdoors only: Treat areas where animals frequent. Remove animals during treatment and until spray deposit is dry. DO NOT treat pets with this product. Pets should be treated with a product registered for application to animals.
Commercial turf to which the public do not have access	Funnel Ant	5 mL/5 L water spot spray	For spot spraying apply 30 mL spray to each mound. In areas of high density a repeat application may be necessary to ensure thorough mound coverage.
Hides/skins	Hide Beetles	200 mL/100 L of water Use at least 30 mL of spray/skin	Apply spray to flesh side of skins or hides sufficient to moisten them. Ensure coverage of ears and lugs. To minimise the chance of later infestations, storage area should be sprayed regularly. Repeat application every 3 months.

Potted ornamentals – commercial cultivation only	Scarab Beetles – Larvae	20 to 40 mL/100 L water	Apply mixture as a pot drench and water through. Drenching may cause root damage and should be tested on a few plants before widespread treatment.
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NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Template label 3: Chlorpyrifos 500 g/L emulsifiable concentrate (insecticide and termiticide uses)³

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	[INSERT HERE]
Constituent statement:	ACTIVE CONSTITUENT: 500 g/L CHLORPYRIFOS (an anticholinesterase compound) SOLVENT: [INSERT CONCENTRATION] g/L LIQUID HYDROCARBONS
Mode of action:	Group 1B Insecticide
Statement of claims:	For the control of certain insect pests in various situation and for treatment of termite nests in wall cavities in accord with AS3600.2 as per the directions for use table. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	[INSERT HERE]
Restrains:	RESTRAINTS DO NOT use in or around publicly accessible residential, public or commercial areas. DO NOT use in areas accessible to children. DO NOT apply by aircraft. DO NOT apply using equipment carried on the back of the user. DO NOT apply using mechanically pressurized hand wand sprayer. DO NOT spray polycarbonate surfaces/roof sheeting or aged vinyl wall cladding as solvent may cause etching. SPRAY DRIFT RESTRAINTS [See attachment below for spray drift restraints]
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	GRAZING FORAGE CROPS, LUCERNE, CLOVER SEED CROPS AND MEDICS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION. TURF AND LAWN: DO NOT GRAZE OR FEED TURF OR LAWN CLIPPINGS FROM ANY TREATED AREA TO POULTRY OR LIVESTOCK HARVEST BRASSICA CROPS: NOT REQUIRED WHEN USED AS DIRECTED.
Trade advice:	Livestock Destined for Export Markets: The label withholding periods for grazing only apply to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the ESI is observed before stock are sold or slaughtered. EXPORT SLAUGHTER INTERVALS (ESIs) Grazing animals: Grazing animals that have been grazing on or fed treated crops should be placed on clean feed for 21 days prior to slaughter for export. Pigs: Pigs that have been fed treated crops should be placed on clean feed for 14 days prior to slaughter for export.

³ use patterns included in the directions for use may not be applicable to all products and some minor variations in instructions for use may exist across labels.

General instructions:	<p>GENERAL INSTRUCTIONS: FOR USE AS AN INSECTICIDE</p> <p>MIXING Half fill the spray tank with clean, fresh water and add the required amount of [trade name] then add the remaining water with the agitator running. Only mix sufficient chemical for each day's work.</p> <p>CLEANING SPRAY EQUIPMENT After using [trade name], empty the spray equipment completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, and drain. To wash the system, quarter fill the tank with clean water and circulate through the lines, hoses and nozzles. Drain and repeat the washing procedure twice. Dispose of rinsate/rinse water in compliance with relevant local, state or territory government regulations.</p> <p>SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet.</p> <p>TERMITE NESTS Subterranean termites may establish a colony in a building without having contact with the soil because they have access to a continuous supply of moisture (eg. from a faulty plumbing fixture or leaking roof). Such colonies are not affected by chemical soil barriers and should be treated as recommended for established colonies, as per Australian Standard Series AS 3660. [Trade name] may be applied directly to the termite colony in such situations.</p>
Resistance warning:	<p>GROUP 1B INSECTICIDE INSECTICIDE RESISTANCE WARNING</p> <p>For insecticide resistance management [trade name] is a Group 1B insecticide.</p> <p>Some naturally occurring insect biotypes resistant to [trade name] and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if [trade name] or other Group 1B insecticides are used repeatedly. The effectiveness of [trade name] on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, [company name] accepts no liability for any losses that may result from the failure of [trade name] to control resistant insects.</p> <p>[Trade name] may be subject to specific resistance management strategies. For further information contact your local supplier, [company name] representative or local agricultural department agronomist.</p>
Precautions:	<p>RE-ENTRY TO TREATED CROPS</p> <p>DO NOT enter treated brassica crops for 8 days after treatment for scouting, hand harvesting or hand weeding. DO NOT enter treated forage crops, lucerne crops, clover seed crops or medics for 2 days after treatment for scouting or for 8 days after treatment for irrigation (hand set). When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be washed after each day's use.</p> <p>These re-entry intervals do not apply if crops are treated pre-emergence or product is applied to soil at seed planting.</p> <p>RE-ENTRY TO TREATED AREAS – TERMITICIDE USE</p> <p>DO NOT permit re-occupation of any premises until treated areas are completely dry (normally 3–4 hours) and adequately ventilated.</p>
Protection statements:	<p>PROTECTION OF PETS AND LIVESTOCK Before spraying, remove animals and pets from buildings and other areas to be treated. Cover or remove any open food and water containers. Cover or remove fish tanks before spraying. DO NOT allow animals and pets to contact treated areas for at least 24 hours.</p> <p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field runoff for at least 3 days after application.</p> <p>Toxic to birds and wild mammals. However, the use of this product as directed is not expected to have adverse effects on birds or wild mammals.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS Highly toxic to bees. To protect bees and pollinating insects, DO NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.</p> <p>INTEGRATED PEST MANAGEMENT Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.</p>

Storage and disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. Do not store for prolonged periods in direct sunlight.</p> <p><i>Refillable containers:</i> Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><i>Non-refillable metal or plastic containers:</i> Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p> <p><i>drumMUSTER containers:</i> This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced but may be taken separately.</p> <p><i>Envirodrums:</i> DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with any water or any other foreign matter. After each use, ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, return empty drum to the point of purchase.</p>
Safety directions:	<p>Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated exposure may cause allergic disorders. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When opening the container, preparing the spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, face shield or goggles, chemical resistant footwear and a half facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles, respirator (if rubber wash with detergent and warm water) and contaminated clothing.</p>
First aid instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
First aid warnings:	<p>Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.</p>

SPRAY DRIFT RESTRAINTS:

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to 2 hours before sunset and persist until one to 2 hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones (metres)				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 260 mL	0.5 m or lower	5	240	0	0	0
140 mL or lower	0.5 m or lower	0	110	0	0	0
	1.0 m or lower	20	350	10	0	10
70 mL or lower	0.5 m or lower	0	55	0	0	0
	1.0 m or lower	10	150	0	0	0

DIRECTIONS FOR USE:**HORTICULTURAL AND FIELD CROPS**

CROP	INSECT	RATE Vol/ha	CRITICAL COMMENTS
Brassica Crops: Broccoli, Brussels Sprouts, Cabbage, Cauliflower	Blue Oat Mite, Red-legged Earth Mite	140 mL/ha	DO NOT apply after 14 days of transplanting. For severe infestations, use of this product may not result in full control of pests. DO NOT apply more than once per year.
Forage Crops	Blue Oat Mite, Red-legged Earth Mite	70 to 140 mL	Spray when pests appear in large numbers, 3-6 weeks after autumn rains. DO NOT apply after stem elongation or rosette growth senescence (BBCH \geq 40).
	Lucerne Flea	70 mL	Avoid spraying when pests are sheltering. Spray when at least 2.5 cm cover of crop is present. DO NOT spray if rain is imminent. DO NOT apply more than once per year.
Lucerne, Clover seed crops	Blue Oat Mite. Red-legged Earth Mite	140 to 260 mL/ha	Apply as ground spray immediately prior to seedling emergence using sufficient water to give good cover. DO NOT apply after seedling emergence. DO NOT apply more than once per year.
Lucerne and Medics in Forage Crops	Spotted Alfalfa Aphid, Bluegreen Aphid, Pea Aphid	200 to 260 mL/ha	Spray when aphids first appear. Seedling lucerne, medics: Apply 1-2 aphids/plant are observed. DO NOT apply once side shoots start to appear (BBCH \geq 20). When a large number of aphids are invading the crop, use of this product may not result in full control of pests. DO NOT use on established lucerne. DO NOT apply more than once per year.

MISCELLANEOUS SITUATIONS

SITUATION	PEST	RATE	CRITICAL COMMENTS
Commercial and industrial areas not accessible to the public	Argentine ant (outdoor use only)	1 L/100 L water	Spray ant tracts, nests or where ant activity is noticed. Apply to paths in continuous 30 cm bands. Apply to base of building walls, fences, rockwork trunks or shrubs and trees, and other hard surfaces to a height of 30 cm.
	Ants including Argentine ants (outdoor use only)	95 mL/10 L of water Use at least 1 L spray/10 m ² infested area	Locate ant nests and treat appropriately. Spray ant tracks or where ant activity is noticed. Apply to paths in continuous 300 mm bands. Apply to base of buildings, walls, fences, rock-works, trunks of shrubs and trees, and other hard surfaces to a height of 300 mm.
	Fleas (outdoor use only)	90 mL/10 L of water	Apply as a fine droplet spray. Outdoors only: Treat areas where animals frequent. Remove animals during treatment and until spray deposit is dry. DO NOT treat pets with this product. Pets should be treated with a product registered for application to animals.
Commercial turf to which the public do not have access	Funnel Ant	5 mL/5 L water spot spray	For spot spraying apply 30 mL spray to each mound. In areas of high density, a repeat application may be necessary to ensure thorough mound coverage. DO NOT GRAZE TREATED TURF OR FEED TREATED GRASS CLIPPINGS TO ANIMALS.
Hides/skins	Hide Beetles	200 mL/100 L of water Use at least 30 mL of spray/skin	Apply spray to flesh side of skins or hides sufficient to moisten them. Ensure coverage of ears and lugs. To minimise the chance of later infestations, storage area should be sprayed regularly. Repeat application every 3 months.

Potted ornamentals – commercial cultivation only	Scarab Beetles – Larvae	20 to 40 mL/100 L water	Apply mixture as a pot drench and water through. Drenching may cause root damage and should be tested on a few plants before widespread treatment.
Treatment of termite nest or colony in wall cavities	Termite colony	110 mL/10 L of water	Once the nest or colony has been located it should be broken open and flooded with emulsion If the nest is not accessible, holes should be drilled into the nest and the termiticide injected. In order to ensure eradication, the position of the royal cell should be identified by using a temperature probe and the immediate areas around it targeted. Refer to Australian Standard Series AS 3660. DO NOT treat outdoor nests, including nests located in trees.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Template label 4: Chlorpyrifos 500 g/kg wettable powder

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	STRIKE-OUT 500 WP INSECTICIDE
Constituent statement:	ACTIVE CONSTITUENT: 500 g/kg CHLORPYRIFOS (an anticholinesterase compound)
Mode of action:	Group 1B Insecticide
Statement of claims:	For the control of Argentine ants in commercial container plants in soil or other growing media. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	[INSERT HERE]
Restrains:	RESTRAINTS DO NOT use in or around publicly accessible residential, public or commercial areas. DO NOT use in areas accessible to children. DO NOT apply using equipment carried on the back of the user. DO NOT apply using mechanically pressurized hand wand sprayer.
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	
Trade advice:	
General instructions:	MIXING Spray mix One third fill the spray tank with water and add the required number of water soluble prepacks to the strainer/sieve. Complete filling allowing the remaining water to run over the bags. The bags will completely dissolve in a few minutes. OR Add the required number of pre-packs to a mixing bucket and add enough water to completely cover the bags. Stir until the bags are completely dissolved and pour the premix into the spray tank. Triple rinse the bucket and stirring implement, adding the rinse water to the spray tank. Agitate continuously to ensure thorough mixing before and during application. Only mix sufficient chemical for each day's work. Tank mixtures STRIKE-OUT® 500 WP should be added to the partially full spray tank first, followed by dry flowables, suspension concentrates (flowables), aqueous concentrates and then emulsifiable concentrate formulations. APPLICATION Unless specified, it is essential to apply STRIKE-OUT® 500 WP in sufficient water to obtain thorough coverage. Apply through accurately calibrated equipment. CLEANING SPRAY EQUIPMENT After using STRIKE-OUT® 500 WP, empty the spray equipment completely and drain the whole system. Quarter fill the spray equipment with clean water and circulate through the line, hoses and nozzles. Drain and repeat procedure twice. Dispose of rinsate/rinse water in compliance with relevant local, state or territory government regulations. SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet.

Resistance warning:	<p>GROUP 1B INSECTICIDE INSECTICIDE RESISTANCE WARNING</p> <p>For insecticide resistance management STRIKE-OUT® 500 WP is a Group 1B insecticide.</p> <p>Some naturally occurring insect biotypes resistant to STRIKE-OUT® 500 WP and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if ADAMA Australia Pty Ltd or other Group 1B insecticides are used repeatedly. The effectiveness of STRIKE-OUT® 500 WP on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, ADAMA Australia Pty Ltd accepts no liability for any losses that may result from the failure of STRIKE-OUT® 500 WP to control resistant insects.</p> <p>STRIKE-OUT® 500 WP may be subject to specific resistance management strategies. For further information contact your local supplier, ADAMA Australia Pty Ltd representative or local agricultural department agronomist.</p>
Precautions:	
Protection statements:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field runoff for at least 3 days after planting out.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS</p> <p>Highly toxic to bees. To protect bees and pollinating insects when controlling Argentine ants in container plants, DO NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.</p>
Storage and disposal:	<p>Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Shake remainder into spray tank. DO NOT dispose of undiluted chemicals on site. Puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p>
Safety directions:	<p>Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When opening the container, preparing the spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, face shield or goggles, chemical resistant footwear and a half facepiece respirator with combined dust and gas cartridge. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles, respirator (if rubber wash with detergent and warm water) and contaminated clothing.</p>
First aid instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
First aid warnings:	<p>Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.</p>

Directions for use:

Crop	Pest	Rate	Critical Comments
Container plants in soil or other growing media – for commercial production only	Argentine ants (<i>Linepithema humile</i>)	250 g/25 L water (1 measure pack per 25 L water)	To meet requirements to enter Tasmania, treat the base of plants and the surface of growing media. A white deposit will remain.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Template label 5: Chlorpyrifos 700 g/L emulsifiable concentrate⁴

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	[INSERT HERE]
Constituent statement:	ACTIVE CONSTITUENT: 700 g/L CHLORPYRIFOS (an anticholinesterase compound) SOLVENT: 500 g/L PHENYL METHYL KETONE
Mode of action:	Group 1B Insecticide
Statement of claims:	For the control of certain insect pests in various situations as per the directions for use table. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	5 L – 1000 L
Restrains:	RESTRAINTS DO NOT use in or around publicly accessible residential, public or commercial areas. DO NOT use in areas accessible to children. DO NOT apply by aircraft. DO NOT apply using equipment carried on the back of the user. DO NOT apply using mechanically pressurized hand wand sprayer. DO NOT spray polycarbonate surfaces/ roof sheeting or aged vinyl wall cladding as solvent may cause etching. SPRAY DRIFT RESTRAINTS [See attachment below for spray drift restraints]
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	GRAZING FORAGE CROPS, LUCERNE AND MEDICS: DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION.
Trade advice:	Livestock Destined for Export Markets: The label withholding periods for grazing only apply to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the ESI is observed before stock are sold or slaughtered. EXPORT SLAUGHTER INTERVALS (ESIs) Grazing animals: Grazing animals that have been grazing on or fed treated crops should be placed on clean feed for 21 days prior to slaughter for export. Pigs: Pigs that have been fed treated crops should be placed on clean feed for 14 days prior to slaughter for export.
General instructions:	GENERAL INSTRUCTIONS Before opening, carefully read Directions for Use, Precautionary Statements, Safety Directions and First Aid Instructions. Thorough coverage is essential. MIXING Half fill the spray tank with clean, fresh water and add the measured amount of [trade name] then add the remaining water with the agitator running. Add wetter near the end of filling with the hose below the surface to prevent excess foaming. Only mix sufficient chemical for specific application. CLEANING SPRAY EQUIPMENT After using [trade name], empty the spray equipment completely and drain the whole system. Thoroughly wash inside the tank using a pressurehose, and drain. To wash the system, quarter fill the tank with clean water and circulate through the lines, hoses and nozzles. Drain and repeat the washing procedure twice. Dispose of rinsate/rinse water in compliance with relevant local, state or territory government regulations. SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet.

⁴ use patterns included in the directions for use may not be applicable to all products and some minor variations in instructions for use may exist across labels.

Resistance warning:	<p>GROUP 1B INSECTICIDE INSECTICIDE RESISTANCE WARNING</p> <p>For insecticide resistance management [trade name] is a Group 1B insecticide.</p> <p>Some naturally occurring insect biotypes resistant to [trade name] and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if [trade name] or other Group 1B insecticides are used repeatedly. The effectiveness of [trade name] on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, [company name] accepts no liability for any losses that may result from the failure of [trade name] to control resistant insects.</p> <p>[Trade name] may be subject to specific resistance management strategies. For further information contact your local supplier, [company name] representative or local agricultural department agronomist.</p>
Precautions:	<p>RE-ENTRY PERIOD</p> <p>DO NOT enter treated crops for 2 days after treatment for scouting or for 8 days after treatment for irrigation (hand set). When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be washed after each day's use.</p> <p>These re-entry intervals do not apply if crops are treated pre-emergence or product is applied to soil at seed planting.</p>
Protection statements:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field runoff for at least 3 days after application.</p> <p>Toxic to birds and wild mammals. However, the use of this product as directed is not expected to have adverse effects on birds or wild mammals.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS</p> <p>Highly toxic to bees. To protect bees and pollinating insects, DO NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.</p> <p>INTEGRATED PEST MANAGEMENT</p> <p>Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.</p>
Storage and disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p><i>Refillable containers:</i> Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><i>Non-refillable metal or plastic containers:</i> Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p> <p><i>drumMUSTER containers:</i> This container can be recycled if it is clean, dry, free of visible residues and has the drumMUSTER logo visible. Triple-rinse container for disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemical on site. Wash outside of the container and the cap. Store cleaned container in a sheltered place with cap removed. It will then be acceptable for recycling at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be taken separately.</p> <p><i>Envirodrums:</i> DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with any water or any other foreign matter. After each use, ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, return empty drum to the point of purchase.</p>
Safety directions:	<p>Product is poisonous if absorbed by skin contact, inhaled or swallowed. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes and skin. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When opening the container, preparing the spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length chemical resistant gloves, face shield or goggles, chemical resistant footwear and a half facepiece respirator with combined dust and gas cartridge. If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles, respirator (if rubber wash with detergent and warm water) and contaminated clothing.</p>

First aid instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First aid warnings:	Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.

SPRAY DRIFT RESTRAINTS:

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to 2 hours before sunset and persist until one to 2 hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones (metres)				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 185 mL	0.5 m or lower	5	240	0	0	0
100 mL or lower	0.5 m or lower	0	110	0	0	0
	1.0 m or lower	20	350	10	0	10
50 mL or lower	0.5 m or lower	0	55	0	0	0
	1.0 m or lower	10	150	0	0	0

DIRECTIONS FOR USE:**FIELD CROPS**

CROP	INSECT	RATE Vol/ha	CRITICAL COMMENTS
Forage Crops	Blue Oat Mite	50 to 100 mL	Spray when pests appear in large numbers, 3-6 weeks after autumn rains. DO NOT apply after stem elongation or rosette growth senescence (BBCH \geq 40). Avoid spraying when pests are sheltering. Spray when at least 2.5cm cover of crop is present. DO NOT spray if rain is imminent. DO NOT apply more than once per year.
	Lucerne Flea	50 mL	
	Red-legged Earth Mite	100 mL	
Lucerne and Medics in Forage Crops	Spotted Alfalfa Aphid, Bluegreen Aphid, Pea Aphid	145 mL to 185 mL	Spray when aphids first appear. Seedling lucerne, medics: Apply 1-2 aphids/plant are observed. DO NOT apply once side shoots start to appear (BBCH \geq 20). When a large number of aphids are invading the crop, use of this product may not result in full control of pests. DO NOT use on established lucerne. DO NOT apply more than once per year.

COMMERCIAL PEST CONTROL ONLY

SITUATION	PEST	RATE	CRITICAL COMMENTS
Commercial and industrial areas not accessible to the public	Ants including Argentine Ants (outdoor use only)	70 mL/10 L of water Use at least 1 L spray/10 m ² infested area	Locate ant nests and treat appropriately and spray ant tracks or where ant activity is noticed. Apply to paths in continuous 30 cm bands. Apply to base of buildings, walls, fences, rockwork, trunks of shrubs and trees, and other hard surfaces to a height of 300 mm.
	Fleas (outdoor use only)	65 mL/10 L of water	Apply as a fine droplet spray. Outdoors only: Treat areas where animals frequent. Remove animals during treatment and until spray deposit is dry. DO NOT treat pets with this product. Pets should be treated with a product registered for application to animals.
Hides/skins	Hide Beetles	145 mL/100 L of water Use at least 30 mL of spray/skin	Apply spray to flesh side of skins or hides sufficient to moisten them. Ensure coverage of ears and lugs. To minimise the chance of later infestations, storage area should be sprayed regularly. Repeat application every 3 months.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

Template label 6: Chlorpyrifos 750 g/kg wettable granule product⁵

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	[INSERT HERE]
Constituent statement:	ACTIVE CONSTITUENT: 750 g/kg CHLORPYRIFOS (an anticholinesterase compound)
Mode of action:	Group 1B Insecticide
Statement of claims:	For the control of Argentine ants in commercial container plants in soil or other growing media. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	[INSERT HERE]
Restrains:	Restrains DO NOT use in or around publicly accessible residential, public or commercial areas. DO NOT use in areas accessible to children. DO NOT apply using equipment carried on the back of the user. DO NOT apply using mechanically pressurized hand wand sprayer
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	
Trade advice:	
General instructions:	GENERAL INSTRUCTIONS MIXING Spray Mix: One third fill the spray tank with water and add the contents of the required number of 333g packs to the spray tank. Complete filling. OR Add water to a mixing bucket and then add the contents of the required number of 333 g packs. Stir and pour the pre-mix into the spray tank. Triple rinse the bucket and stirring implement, adding the rinse water to the spray tank. Agitate continuously to ensure thorough mixing before and during application. Only mix sufficient chemical for each day's work. Tank mixtures: [Trade name] should be added to the partially full spray tank first, followed by dry flowables, suspension concentrates (flowables), aqueous concentrates and then emulsifiable concentrate formulations. APPLICATION Unless specified, it is essential to apply [trade name] in sufficient water to obtain thorough coverage. Apply through accurately calibrated equipment. CLEANING SPRAY EQUIPMENT After using [trade name], empty the spray equipment completely and drain the whole system. Quarter fill the spray equipment with clean water and circulate through the line, hoses and nozzles. Drain and repeat procedure twice. Dispose of rinsate/rinse water in compliance with relevant local, state or territory government regulations. SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet.
Resistance warning:	GROUP 1B INSECTICIDE INSECTICIDE RESISTANCE WARNING For insecticide resistance management [trade name] is a Group 1B insecticide. Some naturally occurring insect biotypes resistant to [trade name] and other Group 1B insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if [trade name] or other Group 1B insecticides are used repeatedly. The effectiveness of [trade name] on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, [company name] accepts no liability for any losses that may result from the failure of [trade name] to control resistant insects. [Trade name] may be subject to specific resistance management strategies. For further information contact your local supplier, [company name] representative or local agricultural department agronomist.
Precautions:	

⁵ use patterns included in the directions for use may not be applicable to all products and some minor variations in instructions for use may exist across labels.

Protection statements:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field runoff for at least 3 days after planting out.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS</p> <p>Highly toxic to bees. To protect bees and pollinating insects when controlling Argentine ants in container plants, DO NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.</p>
Storage and disposal:	<p>Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Single-rinse or shake remainder into spray tank. DO NOT dispose of undiluted chemicals on site. Puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p>
Safety directions:	<p>Harmful if swallowed. Repeated minor exposure may have a cumulative poisoning effect. Will irritate eyes. Avoid contact with eyes. When opening the container, preparing the spray and using the prepared spray, wear chemical resistant clothing buttoned to the neck and wrist, a washable hat, elbow-length PVC gloves, face shield or goggles, chemical resistant footwear and a half facepiece respirator with combined dust and gas cartridge. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves, face shield or goggles, respirator (if rubber wash with detergent and warm water) and contaminated clothing.</p>
First aid instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
First aid warnings:	<p>Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.</p>

DIRECTIONS FOR USE:

CROP	PEST	RATE	CRITICAL COMMENTS
Container plants in soil or other growing media – for commercial production only	Argentine ants (<i>Linepithema humile</i>)	167 g/25 L water (1 measure pack per 50 L water)	DO NOT use in residential areas or publicly accessible commercial or industrial areas. To meet requirements to enter Tasmania, treat the base of plants and the surface of growing media. A white deposit will remain.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Template label 7: Chlorpyrifos 400 g/L and bifenthrin 20 g/L emulsifiable concentrate product

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	[INSERT HERE]
Constituent statement:	ACTIVE CONSTITUENTS: 400 g/L CHLORPYRIFOS (an anticholinesterase compound) 20 g/L BIFENTHRIN SOLVENT: 471 g/L LIQUID HYDROCARBONS
Mode of action:	Group 1B 3A Insecticide
Statement of claims:	For the control of certain insect pests in lucerne seed crops as per the directions for use table. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	1-1000 L
Restrains:	RESTRAINTS DO NOT use in areas accessible to children. DO NOT apply by aircraft. SPRAY DRIFT RESTRAINTS [See attachment below for spray drift restraints]
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION.
Trade advice:	Livestock Destined for Export Markets: The label withholding periods for grazing only apply to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the ESI is observed before stock are sold or slaughtered. EXPORT SLAUGHTER INTERVALS (ESIs) Grazing animals: Grazing animals that have been grazing on or fed treated crops should be placed on clean feed for 21 days prior to slaughter for export. Pigs: Pigs that have been fed treated crops should be placed on clean feed for 14 days prior to slaughter for export.
General instructions:	GENERAL INSTRUCTIONS [Trade name] is a contact and residual insecticide/miticide. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing pests. Best results are obtained when [trade name] is applied before pest populations build up to damaging levels. APPLICATION The application volume of 50 – 200 L/ha is suggested for application to lucerne seed crops. MIXING Add the required amount of product slowly to water in the spray tank whilst stirring or agitating. Agitate mixture during spraying. SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet.
Resistance warning:	INSECTICIDE RESISTANCE WARNING For insecticide resistance management [trade name] is both a Group 1B and a Group 3A insecticide. Some naturally occurring insect biotypes resistant to [trade name] and other Group 1B and 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if [trade name] or other Group 1B or 3A insecticides are used repeatedly. The effectiveness of [trade name] on resistant individuals could be significantly reduced. Since the occurrence of resistant insects is difficult to detect prior to use, [company name] accepts no liability for any losses that may result from the failure of [trade name] to control resistant insects. [Trade name] may be subject to specific resistance management strategies. For further information contact your local supplier, [company name] representative or local agricultural department agronomist.

Precautions:	<p>RE-ENTRY PERIOD</p> <p>DO NOT enter treated crops for 2 days after treatment for scouting or for 8 days after treatment for irrigation (hand set). When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be washed after each day's use.</p> <p>These re-entry intervals do not apply if crops are treated pre-emergence or product is applied to soil at seed planting.</p>
Protection statements:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field runoff for at least 3 days after application.</p> <p>Toxic to birds and wild mammals. However, the use of this product as directed is not expected to have adverse effects on birds or wild mammals.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS</p> <p>Highly toxic to bees. To protect bees and pollinating insects, DO NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.</p> <p>INTEGRATED PEST MANAGEMENT</p> <p>Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.</p>
Storage and disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p><i>Refillable containers:</i> Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><i>Non-refillable metal or plastic containers:</i> Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p> <p><i>Envirodrums:</i> DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with any water or any other foreign matter. After each use, ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, return empty drum to the point of purchase.</p>
Safety directions:	<p>Product is poisonous if inhaled or swallowed. Will irritate the eyes. May irritate the skin. Repeated minor exposure may have a cumulative poisoning effect. Facial skin contact may cause temporary facial numbness. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When using together with other products, consult their safety directions. When opening the container and preparing the spray, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves, goggles and half facepiece respirator. When using the prepared spray wear cotton overalls, over normal clothing, buttoned to the neck and wrist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, respirator, and if rubber wash with detergent and warm water, and contaminated clothing</p>
First aid instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
First aid warnings:	<p>Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.</p>

SPRAY DRIFT RESTRAINTS:

Specific definitions for terms used in this section of the label can be found at apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The advisory buffer zones in the relevant buffer zone table/s below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are surface temperature inversion conditions present at the application site during the time of application. These conditions exist most evenings one to 2 hours before sunset and persist until one to 2 hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:

- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones (metres)				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 325 mL	0.5 m or lower	5	240	0	0	0

DIRECTIONS FOR USE:

CROP	PEST	RATE	CRITICAL COMMENTS
Lucerne seed crops	Bluegreen aphid	250 mL to 325 mL/ha	<p>DO NOT treat lucerne seed crops for alfalfa sprout production. Spray when aphids first appear.</p> <p>Seedling lucerne, medics: Apply 1-2 aphids/plant are observed. DO NOT apply once side shoots start to appear (BBCH \geq20). When a large number of aphids are invading the crop, use of this product may not result in full control of pests.</p> <p>DO NOT use on established lucerne.</p> <p>DO NOT apply more than once per year.</p> <p>Apply in minimum 100 L water per ha</p>
	Spotted alfalfa aphid		
	Pea Aphid		
	Lucerne flea	175 mL to 325 mL/ha	

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Template label 8: Chlorpyrifos 600 g/L and bifenthrin 30 g/L wettable granule product

Signal heading:	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Product name:	[INSERT HERE]
Constituent statement:	ACTIVE CONSTITUENTS: 600 g/L CHLORPYRIFOS (an anticholinesterase compound) 30 g/L BIFENTHRIN SOLVENT: 527 g/L ACETOPHENONE
Mode of action:	Group 1B 3A Insecticide
Statement of claims:	For the control of certain insect pests in lucerne seed crops as per the directions for use table. THIS PRODUCT IS TOO HAZARDOUS FOR USE BY HOUSEHOLDERS.
Net contents:	1-1000 L
Restrains:	RESTRAINTS DO NOT use in areas accessible to children. DO NOT apply by aircraft. SPRAY DRIFT RESTRAINTS [See attachment below for spray drift restraints]
Directions for use:	[This section contains an attachment below]
Other limitations:	
Withholding period:	DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 28 DAYS AFTER APPLICATION.
Trade advice:	Livestock Destined for Export Markets: The label withholding periods for grazing only apply to stock slaughtered for the domestic market. Some export markets apply different standards. To meet these standards, ensure that the ESI is observed before stock are sold or slaughtered. EXPORT SLAUGHTER INTERVALS (ESIs) Grazing animals: Grazing animals that have been grazing on or fed treated crops should be placed on clean feed for 21 days prior to slaughter for export. Pigs: Pigs that have been fed treated crops should be placed on clean feed for 14 days prior to slaughter for export.
General instructions:	GENERAL INSTRUCTIONS [Trade name] is a contact and residual insecticide/miticide. It can be used as a protective treatment when applied at regular intervals or as a knockdown treatment to control existing pests. Best results are obtained when [trade name] is applied before pest populations build up to damaging levels. APPLICATION The application volume of 50 – 200 L/ha is suggested for application to lucerne seed crops. MIXING Add the required amount of product slowly to water in the spray tank whilst stirring or agitating. Agitate mixture during spraying. SMALL SPILL MANAGEMENT For small spill management, refer to instructions listed in the Safety Data Sheet.
Resistance warning:	INSECTICIDE RESISTANCE WARNING For insecticide resistance management [trade name] is both a Group 1B and a Group 3A insecticide. Some naturally occurring insect biotypes resistant to [trade name] and other Group 1B and 3A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if [trade name] or other Group 1B or 3A insecticides are used repeatedly. The effectiveness of [trade name] on resistant individuals could be significantly reduced. Since the occurrence of resistant insects is difficult to detect prior to use, [company name] accepts no liability for any losses that may result from the failure of [trade name] to control resistant insects. [Trade name] may be subject to specific resistance management strategies. For further information contact your local supplier, [company name] representative or local agricultural department agronomist.

Precautions:	<p>RE-ENTRY PERIOD</p> <p>DO NOT enter treated crops for 2 days after treatment for scouting or for 8 days after treatment for irrigation (hand set). When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be washed after each day's use.</p> <p>These re-entry intervals do not apply if crops are treated pre-emergence or product is applied to soil at seed planting.</p>
Protection statements:	<p>PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT</p> <p>Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers. DO NOT apply if heavy rains or storms are forecast within 3 days. DO NOT irrigate to the point of field runoff for at least 3 days after application.</p> <p>Toxic to birds and wild mammals. However, the use of this product as directed is not expected to have adverse effects on birds or wild mammals.</p> <p>PROTECTION OF HONEY BEES AND OTHER INSECT POLLINATORS</p> <p>Highly toxic to bees. To protect bees and pollinating insects, DO NOT apply when flowering plants or weeds are present. DO NOT use where bees are actively foraging. Before spraying, notify beekeepers to move hives to a safe location with an untreated source of nectar and pollen, if there is potential for managed hives to be affected by the spray.</p> <p>INTEGRATED PEST MANAGEMENT</p> <p>Toxic to beneficial arthropods. Not compatible with integrated pest management (IPM) programs utilising beneficial arthropods. Minimise spray drift to reduce harmful effects on beneficial arthropods in non-crop areas.</p>
Storage and disposal:	<p>Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight.</p> <p><i>Refillable containers:</i> Empty contents fully into application equipment. Close all valves and return to point of supply for refill or storage.</p> <p><i>Non-refillable metal or plastic containers:</i> Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging or unused product to an approved waste management facility. If an approved waste management facility is not available, dispose of empty container or unused product in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.</p> <p><i>Envirodrums:</i> DO NOT tamper with the Micro Matic valve or the security seal. DO NOT contaminate the drum with any water or any other foreign matter. After each use, ensure the Micro Matic coupler, delivery system and hoses are disconnected, triple rinsed with clean water and drained accordingly. When the contents of the drum have been used, return empty drum to the point of purchase.</p>
Safety directions:	<p>Product is poisonous if inhaled or swallowed. Will irritate the eyes. May irritate the skin. Repeated minor exposure may have a cumulative poisoning effect. Facial skin contact may cause temporary facial numbness. Avoid contact with eyes and skin. Do not inhale vapour or spray mist. When using together with other products, consult their safety directions. When opening the container and preparing the spray, wear cotton overalls, over normal clothing, buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves, goggles and half facepiece respirator. When using the prepared spray wear cotton overalls, over normal clothing, buttoned to the neck and wrist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles, respirator, and if rubber wash with detergent and warm water, and contaminated clothing</p>
First aid instructions:	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126. If swallowed, do NOT induce vomiting. If swallowed, splashed on skin or in eyes, or inhaled, contact a Poisons Information Centre (Phone Australia 131126) or a doctor at once. Remove any contaminated clothing and wash skin thoroughly. Give atropine if instructed. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.</p>
First aid warnings:	<p>Breathing vapour or spray mist is harmful and may cause an asthma-like reaction. WARNING – Contains chlorpyrifos, excessive exposure to which may temporarily interfere with vision and the ability to safely operate machinery.</p>

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- spray droplets not smaller than a MEDIUM spray droplet size category
- minimum distances between the application site and downwind sensitive areas (see 'Mandatory downwind buffer zones' section of the following table titled 'Buffer zones for boom sprayers') are observed.

Buffer zones for boom sprayers

Application rate	Boom height above the target canopy	Mandatory downwind buffer zones (metres)				
		Bystander areas	Natural aquatic areas	Pollinator areas	Vegetation areas	Livestock areas
Up to 215 mL	0.5 m or lower	5	240	0	0	0

DIRECTIONS FOR USE:

CROP	PEST	RATE	CRITICAL COMMENTS
Lucerne seed crops	Bluegreen aphid	165 mL to 215 mL/ha	<p>DO NOT treat lucerne seed crops for alfalfa sprout production. Spray when aphids first appear.</p> <p>Seedling lucerne, medic: Apply 1-2 aphids/plant are observed. DO NOT apply once side shoots start to appear (BBCH \geq20). When a large number of aphids are invading the crop, use of this product may not result in full control of pests.</p> <p>DO NOT use on established lucerne.</p> <p>DO NOT apply more than once per year.</p> <p>Apply in minimum 100 L water per ha</p>
	Spotted alfalfa aphid		
	Pea Aphid		
	Lucerne flea	115 mL to 215 mL/ha	<p>Spray when pests appear in large numbers. Avoid spraying when pests are sheltering. Spray when at least 2.5 cm cover of crop is present. DO NOT spray if rain is imminent.</p> <p>For heavier infestations, use of this product may not result in full control of pests.</p> <p>DO NOT apply more than once per year.</p>

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

Notice of cancellation under section 45A of the Agricultural and Veterinary Chemicals Code – chlorpyrifos reconsideration

- 1) I, Sheila Logan, Executive Director, Risk Assessment Capability, pursuant to section 45A of the Agricultural and Veterinary Chemicals Code scheduled to the *Agricultural and Veterinary Chemicals Code Act 1994 (Agvet Code)*, hereby publish notice that I Sheila Logan, Executive Director, Risk Assessment Capability, have cancelled the chlorpyrifos active constituent approvals, product registrations and label approvals listed in Table 3 of this notice.
- 2) The approvals and registrations listed in Table 3 have been cancelled pursuant to section 34AA(1) of the Agvet Code because I am not satisfied that the active constituents meets the safety criteria, and I am not satisfied that the chemical products meet the safety criteria, and I am not satisfied that the labels meet the labelling criteria. Further, I am not satisfied that the particulars or conditions of these approvals and registrations could be varied in such a way that would allow the approvals and registrations to be affirmed.

Table 3: Chlorpyrifos active constituent approvals, product registrations and label approvals cancelled pursuant to section s34AA(1) of the Agvet Code

Type	Approval or registration number	Name	Holder	Label approval number associated with the registered product	Date of cancellation
Active constituent	47155	Chlorpyrifos	Sumitomo Chemical Australia Pty Ltd	N/A	30 September 2024
Active constituent	48521	Chlorpyrifos	FMC Australasia Pty Ltd	N/A	30 September 2024
Active constituent	58019	Chlorpyrifos	Coromandel Australia Pty Ltd	N/A	30 September 2024
Active constituent	67013	Chlorpyrifos	Sharda Worldwide Exports Pvt Ltd	N/A	30 September 2024
Active constituent	70430	Chlorpyrifos	Sabakem Pty Ltd	N/A	30 September 2024
Active constituent	80115	Chlorpyrifos	Aimco Kr Australia Pty Ltd	N/A	30 September 2024
Product	49666	Barmac Chlorpyrifos G Granular Insecticide	Amgrow Pty Ltd	49666/121137	30 September 2024
Product	50416	Suscon Green Soil Insecticide	Nufarm Australia Limited	50416/0501, 50416/1102	30 September 2024
Product	89312	Delfos 5G Insecticide	Industrial Quimica Key, S.A.	89312/124386	30 September 2024

Deemed permit and instructions

Instructions for possession, custody or use

In accordance with section 45B(3) of the Agvet Code, a person who possesses, has custody of, or uses the cancelled active constituents, cancelled products or products bearing a cancelled label referred to in Table 3 in accordance with the instructions contained in this notice is taken to have been issued with a permit. These instructions are:

- A person may possess or have custody of the cancelled active constituent, cancelled product or product bearing a cancelled label referred to in Table 3 for a period of one year from the date of cancellation.
- A person may use the cancelled active constituent referred to in Table 3 in agricultural chemical products for a period of one year from the date of cancellation.

- A person may use the cancelled product or product bearing a cancelled label referred to in Table 3 in accordance with the label instructions, including any conditions relating to shelf life or expiry date, for a period of one year from the date of cancellation.

If the APVMA revokes the cancellation or declares that the deemed permit ceases to apply with respect to the cancelled active constituent, cancelled product or the product bearing a cancelled label under section 45B(2) of the Agvet Code, written notice will be provided to the holder and published in the APVMA Gazette.

Instructions for possession or custody with the intention to supply or otherwise deal with

In accordance with section 45C(2) of the Agvet Code, a person may only possess, have custody of, or otherwise deal with the cancelled active constituents, cancelled products or products bearing a cancelled label listed in Table 3 according to the instructions contained in this notice. These instructions are:

- A person may supply or cause to be supplied at wholesale or retail level the cancelled active constituent, cancelled product or product bearing a cancelled label referred to in Table 3 for a period of one year after the date of cancellation.

Contraventions

As specified in subsection 45C(5) of the Agvet Code, after the day that is one year from the date of cancellation, a person commits an offence under section 45C(2) of the Agvet Code if the person uses, possesses or has custody of or otherwise deals with, including supplying or otherwise disposing of, the cancelled active constituents, cancelled products or products bearing a cancelled label.

It is also an offence to possess, have custody of, use, or otherwise deal with the cancelled active constituents, cancelled products or products bearing a cancelled label listed in Table 3 in a manner that contravenes the above instructions.

Sheila Logan
Executive Director, Risk Assessment Capability

With the delegated authority under sections 11, 32 and 44 of the *Agricultural and Veterinary Chemicals (Administration) Act 1992*

Contact information

For any enquiries or further information about this matter, please contact:

Chemical Review
Australian Pesticides and Veterinary Medicines Authority
PO Box 574,
Canberra ACT 2601

Phone: +61 2 6770 2400
Email: chemicalreview@apvma.gov.au