

# Public consultation

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*HAZARDOUS SUBSTANCES  
SETTING RESTRICTED ENTRY  
INTERVALS FOR SPECIFIED  
PESTICIDES*

January 2022



**Te Kāwanatanga o Aotearoa**  
New Zealand Government

**WORKSAFE**  
Mahi Haumarū Aotearoa



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## Purpose

WorkSafe New Zealand is seeking your feedback on updated restricted entry intervals for specified pesticides.

The deadline for receipt of all submissions is **5pm on Friday 6 May 2022**.

## What is a restricted entry interval?

A restricted entry interval is the period of time, after a pesticide has been applied to an area, during which residues of the pesticide are likely to be present and could affect the health of workers re-entering the area.

Under regulation 13.23 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 (the Regulations) WorkSafe may set restricted entry intervals for pesticides to protect persons from the toxic effects of that substance if:

- the human exposure to the substance is primarily through inhalation or contact with skin, and
- scientific data is sufficiently reliable to enable a restricted entry interval to be set.

Regulation 13.24 requires the Person Conducting a Business or Undertaking (PCBU) with management or control of the area to ensure that no person is present in or enters the area until the end of the restricted entry interval, unless they are wearing PPE in accordance with regulation 13.8.

The appropriate PPE will depend on the crop and what type of activities are carried out by the person entering an area during the restricted entry interval. This may range from gloves to more protective types of PPE.

## Consultation for setting restricted entry intervals

Restricted entry intervals for the substances in this consultation were previously set as part of the Environmental Protection Authority's substance approval process under HSNO.

Many of the restricted entry intervals proposed in this document differ from the restricted entry intervals previously set under the HSNO approval. The REIs proposed in this consultation are all based on the results of the modelling carried out by Toxicology Consulting Ltd. The Toxicology Consulting Ltd report can be found on the consultation webpage.

We would like your feedback on these updated restricted entry intervals.

## How to have your say

Have your say by considering the restricted entry intervals proposed in this document and completing the submission form. Please complete a separate submission form for each individual substance relevant to you. If you believe a different restricted entry interval may be appropriate, please remember that WorkSafe can only set a restricted entry interval if the scientific data available is sufficiently reliable to allow one to be set.

Therefore, if you are able to share data or describe it to us, including any updated modelling that you may have used we may be able to consider it in our decision.

If you have any questions during public consultation please contact WorkSafe: [hazsubs@worksafe.govt.nz](mailto:hazsubs@worksafe.govt.nz)

## Your submission may be made public

The Official Information Act 1982 (OIA) allows New Zealand citizens and permanent residents, or anyone in New Zealand, to request official information from the government – including copies of submissions. WorkSafe will let you know if we receive an OIA request for a copy of your submission. The content of your submission may be made available to the public, however you can indicate on the submission form whether you would prefer your details to be kept confidential.

## What happens next

Once the consultation period has ended, we will consider the submissions and amend the proposed restricted entry intervals in light of the feedback we receive. We will provide a summary of the submissions on our website.

Once the [restricted entry intervals for pesticides](#) have been finalised and approved they will be published on the WorkSafe website.

## Background

In December 2017 workplace controls, including restricted entry interval requirements, were transferred from HSNO to the Regulations. The ninety-eight restricted entry intervals that had previously been set in individual approvals under HSNO remain in force until they are replaced under HSWA.

WorkSafe commissioned Toxicology Consulting Ltd to determine appropriate REIs for the 98 substances using the current EPA methodology and EPA input parameters such as the AOEL (acceptable operator exposure level) and transfer coefficients.

The REIs proposed in this consultation are based on the modelling carried out by Toxicology Consulting Ltd.

## Implementation

To provide workers the best protection, once the new REIs have been set they will apply immediately. WorkSafe will notify all submitters and manufacturers/suppliers who have registered products with ACVM that match any of these HSNO approved substances that the REIs have been set. WorkSafe will also notify interested parties through their hazardous substances newsletter.

## Proposed restricted entry intervals

The following table lists the proposed restricted entry intervals (in alphabetical order of the active ingredient) for each substance that had a restricted entry interval control under HSNO.

For details on how each proposed restricted entry interval was determined please refer to the Toxicology Consulting Ltd Report which can be found on the consultation web page.

Entries in orange contain more than one active ingredient and duplicate entries under each active ingredient are given in the table.

Substance name	Active ingredient	REG 13.23 REQUIREMENTS				Previous HSNO REI	Proposed REI
		Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day		
Tripsol	Abamectin and acrinathrin	HSR100716 6.1C (I), 6.1D (O), 6.4A, 6.5B, 6.7B, 6.8B, 6.8C, 6.9B	To be used as an insecticide on potatoes and tomatoes and is intended to protect the crops from plant-feeding insects	Dermal	0.0025 abamectin	24 hours	Potatoes 24 hours Tomatoes (outdoor) 24 hours All other crops except: Potatoes; Tomatoes (outdoor) 8 days
Solvigo	Abamectin and thiamethoxam	HSR101003 6.1B (I), 6.1D (O), 6.8B, 6.8C, 6.9B	Solvigo is intended to be used to treat thrips and other insect pests in commercial onion crops	Dermal	0.0025 abamectin	24 hours	Bulb onions 11 days All crops except: Bulb onions 21 days
Abamet	Abamectin	HSR101034 6.1D (O), 6.4A, 6.8A, 6.8C, 6.9B	Abamet is intended for use as an insecticide or miticide to control mites on avocados, pipfruit, indoor tomatoes, strawberries and ornamentals, leafroller on kiwifruit, and tomato-potato psyllid on potatoes	Dermal Inhalation	0.0025	24 hours	Tomatoes (indoor) 48 hours Strawberries 6 days Apples and Pears (Pipfruit) 8 days Avocados 14 days All crops except: Kiwifruit; Potatoes; Ornamentals; Tomatoes (indoor); Strawberries; Apples, Pears; Avocados 21 days
Abba	Abamectin	HSR101144 6.1D (O), 6.1E (Aspiration), 6.3A, 6.4A, 6.8A, 6.8C, 6.B	Abba intended for use to control various pests (leafrollers, mites and psyllids) in apple, pear, avocado, tomato, kiwifruit, potato and strawberry crops	Dermal	0.0025	24 hours	Tomatoes (indoor) 48 hours Strawberries 6 days Apples and Pears (Pipfruit) 8 days Avocados 14 days All crops except: Kiwifruit; Potatoes; Tomatoes (indoor); Strawberries; Apples, Pears; Avocados 21 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Tina Miticide and Insecticide	Abamectin	HSR101211 6.1D (O), 6.1E (Aspiration), 6.4A, 6.8B, 6.8C, 6.9B	Intended to control for the control of mites, leafrollers and tomato/potato psyllid in a range of horticultural crops (apples, pears, kiwifruit, strawberries, indoor tomatoes, avocados and potatoes) and ornamental plants	Dermal	0.0025	24 hours	Tomatoes (indoor) 48 hours Strawberries 6 days Apples and Pears (Pipfruit) 8 days Avocados 14 days All crops except: Kiwifruit; Potatoes; Ornamentals; Tomatoes (indoor); Strawberries; Apples, Pears; Avocados 21 days
Soluble concentrate containing 195g/litre acephate Also contains ethylene glycol	Acephate	HSR000154 6.1D (O), 6.3A, 6.4A, 6.8A, 6.8C, 6.9A	Organophosphate insecticide	Dermal	0.0012	24 hours	68 days
Water soluble powder containing 750-970g/kg acephate	Acephate Trade names: Orthene WSG Lancer 750DF	HSR000155 6.1D (O), 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0012	24 hours	Ornamentals 17 days Tomatoes (outdoor); Boysenberries; Lettuce 24 days Cabbage, Cauliflower 30 days Citrus; Tamarillos; Avocados 51 days All other crops, except: Ornamentals; Tomatoes (outdoor); Boysenberries; Lettuce; Cabbage, Cauliflower; Citrus; Tamarillos; Avocados 68 days
Emulsifiable concentrate containing 45g/litre acephate and 8.8g/litre myclobutanil	Acephate and myclobutanil	HSR000156 6.8B, 6.9B	Organophosphate insecticide	Dermal	0.0012 acephate	24 hours	68 days
Emulsifiable concentrate containing 45g/litre acephate and 39g/litre triforine	Acephate and triforine	HSR000157 6.8A, 6.8C, 6.9B 8.2B, 8.3A	Organophosphate insecticide	Dermal	0.0012 acephate	24 hours	68 days
Emulsifiable concentrate containing 22.5g/litre acephate and 19.5g/litre triforine	Acephate and triforine	HSR000158 6.3A, 6.8A, 6.8C, 6.9B, 8.3A	Organophosphate insecticide	Dermal	0.0012 acephate	24 hours	68 days

**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Crown 225SL Systemic Insecticide	Acetamiprid	HSR100918 6.1D (O), 6.8A, 6.9B	Used for the control of insect pests in ornamental crops in professional ornamental horticulture nurseries	Dermal	0.025	14 days	13 days
Actigard	Acibenzolar-S-methyl	HSR100588 6.5B, 6.9B, 6.9B	Actigard stimulates systemic acquired resistance reducing the symptoms of Psa-V (the virulent form of pseudomonas syringae pv. actinidiae) on kiwifruit	Dermal	0.1	12 hours	Kiwifruit 48 hours All crops except: Kiwifruit 10 days
Tripsol	Acrinathrin and abamectin	HSR100716 6.1C (I), 6.1D (O), 6.4A, 6.5B, 6.7B, 6.8B, 6.8C, 6.9B	To be used as an insecticide on potatoes and tomatoes and is intended to protect the crops from plant-feeding insects	Dermal	0.0025 abamectin	24 hours	Potatoes 24 hours Tomatoes (outdoor) 24 hours All other crops except: Potatoes: Tomatoes (outdoor) 8 days
Fury 120 SC	Alpha-cypermethrin and bifenthrin	HSR101069 6.1D (O), 6.5B, 6.9B (O), 6.9B	Insecticide designed for rapid knockdown and residual control of a wide range of internal pests in internal and external areas of domestic, commercial, public and industrial buildings and structures	Inhalation	0.0075 bifenthrin	Until dry	No REI proposed
Zampro	Ametoctradin and dimethomorph	HSR100709 6.1D(O), 6.9B	Ametoctradin is a preventative fungicide, controlling several fungal pathogens belonging to the Perenosporomycetes class of fungi  Dimethomorph is a systemic morpholine fungicide	Dermal	0.15 dimethomorph	24 hours	No REI proposed
Blossom Protect Component B	2 strains of Aureobasidium pullulans Trade names: Aureo Gold Botector	HSR101029 6.5A, 6.5B	Intended for use in the protection of pome fruit trees against Erwinia amylovora (fire blight) and in protection of kiwifruit vines from Pseudomonas syringae pv. actinidiae (Psa)	Dermal	NA	4 hours	24 hours
Brigade T&O 100g/l SC	Bifenthrin	HSR100739 6.1D (O), 6.1D (I), 6.3A, 6.4A, 6.5B, 6.9B	Insecticide liquid, intended for pest control in non-agricultural situations, for example, for use on turf and ornamental plants	Dermal	0.0075	24 hours	59 days

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Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Fury 120 SC	Bifenthrin and alpha-cypermethrin	HSR101069 6.1D (O), 6.5B, 6.9B (O), 6.9B	Insecticide designed for rapid knockdown and residual control of a wide range of internal pests in internal and external areas of domestic, commercial, public and industrial buildings and structures	Inhalation	0.0075 bifenthrin	Until dry	No REI proposed
Enviromax Bifenthrin 100 SC	Bifenthrin	HSR101189 6.1D (O), 6.5B, 6.9A	It is intended to be used to protect timber structures from subterranean termite damage	Dermal	0.0075	24 hours	78 days
Suspension concentrate containing 100g/litre carbaryl	Carbaryl	HSR000441 6.1D (O), 6.4A, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01	12 hours	32 days
Suspension concentrate containing 500g/litre carbaryl (Substance A)	Carbaryl	HSR000450 6.1C (O), 6.5B, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01	12 hours	32 days
Wettable powder containing 115g/kg carbaryl, 250g/kg copper as copper oxychloride and 284g/kg sulphur	Carbaryl, copper as copper oxychloride and sulphur	HSR000594 6.1D (O), 6.3A, 6.5B, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01 carbaryl	12 hours	32 days
Suspension concentrate containing 500g/litre carbaryl (Substance C)	Carbaryl	HSR000680 6.1C (O), 6.5B, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01	12 hours	Maize/Sweetcorn 14 days Strawberries; Ornamental flowers; Bushfruit and Canefruit; Tamarillos; Cabbages and Field Tomatoes 26 days Apples, Pears and Nashi; Avocados; Persimmons; Stonefruit 34 days All other crops, except: Maize/Sweetcorn; Strawberries; Ornamental flowers; Bushfruit and Canefruit; Tamarillos; Cabbages and Field Tomatoes; Apples, Pears and Nashi; Avocados; Persimmons; Stonefruit 32 days



**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Suspension concentrate containing 500g/litre carbaryl (Substance B)	Carbaryl	HSR000681 6.1C (O), 6.4A, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01	12 hours	Maize/Sweetcorn 14 days Strawberries; Ornamental flowers; Bushfruit and Canefruit; Tamarillos; Cabbages and Field Tomatoes 26 days Apples, Pears and Nashi; Avocados; Persimmons; Stonefruit 34 days All other crops, except: Maize/ Sweetcorn; Strawberries; Ornamental flowers; Bushfruit and Canefruit; Tamarillos; Cabbages and Field Tomatoes; Apples, Pears and Nashi; Avocados; Persimmons; Stonefruit 32 days
Wettable powder containing 150–200g/kg carbaryl and 150–200g/kg mancozeb	Carbaryl and mancozeb	HSR007696 6.1D (O), 6.4A, 6.5B, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01 carbaryl	12 hours	32 days
Wettable powder containing 500g/kg chlorpyrifos	Chlorpyrifos	HSR000165 6.1C (O), 6.1C (D), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.01	24 hours	8 days
Granular material containing 50g/kg chlorpyrifos. Also contains xylene	Chlorpyrifos	HSR000170 6.1D (O), 6.3A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.01	24 hours	8 days
Emulsifiable concentrate containing 480g/litre chlorpyrifos	Chlorpyrifos	HSR000171 6.1C (O), 6.1D (I), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.01	24 hours	8 days
Wettable powder containing 56.25g/kg carbendazim, 93.75g/kg chlorpyrifos and 400g/kg mancozeb	Chlorpyrifos, carbendazim and mancozeb	HSR000173 6.1D (O), 6.1D (D), 6.4A, 6.5B, 6.6A, 6.8A, 6.9B	Organophosphate and other actives insecticide	Dermal	0.011 mancozeb	24 hours	34 days

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Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Emulsifiable concentrate containing 450-500g/litre chlorpyrifos	Chlorpyrifos	HSR000224 6.1C (O), 6.1C (D), 6.1D (I), 6.1E (Aspiration), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.01	24 hours	Avocado; Pipfruit, Stonefruit 48 hours All other crops, except: Avocado; Brassica and Forage crops; Cereals; Cereals and Ryegrass, Grapes (except Table Grapes); Kiwifruit; Lucerne; Maize; Onions; Pasture; Pipfruit, Stonefruit; Squash 8 days
Emulsifiable concentrate containing 480g/litre chlorpyrifos. Also contains xylene	Chlorpyrifos	HSR000225 6.1C (O), 6.1C (D), 6.1D (I), 6.3A, 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.01	24 hours	Avocado; Pipfruit, Stonefruit 48 hours All other crops, except: Avocado; Brassica and Forage crops; Cereals; Cereals and Ryegrass, Grapes (except Table Grapes); Kiwifruit; Lucerne; Maize; Onions; Pasture; Pipfruit, Stonefruit; Squash 8 days
Rampage	Chlorpyrifos	HSR100018 6.1C (D), 6.1D (O), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.01	24 hours	Avocado; Pipfruit, Stonefruit 48 hours All other crops, except: Avocado; Brassica and Forage crops; Cereals; Cereals and Ryegrass, Grapes (except Table Grapes); Kiwifruit; Lucerne; Maize; Onions; Pasture; Pipfruit, Stonefruit; Squash 8 days
GF-2595	Chlorpyrifos and lambda-cyhalothrin	HSR100908 6.1C (O), 6.1D (I), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.00063 lambda-cyhalothrin	24 hours	Maize 5 days Cereals 12 days Forage brassicas 18 days Potatoes 32 days All other crops, except: Forage brassicas; Cereals; Maize; Potatoes 58 days
Wettable powder containing 115g/kg carbaryl, 250g/kg copper as copper oxychloride and 284g/kg sulphur	Carbaryl, copper as copper oxychloride and sulphur	HSR000594 6.1D (O), 6.3A, 6.5B, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01 carbaryl	12 hours	32 days

**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Grainguard Supersmoke	Deltamethrin and pirimiphos-methyl	HSR101001 6.1D (O), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Inhalation	0.0075 deltamethrin	27 hours	3 hours after ventilation started
Emulsifiable concentrate containing 800g/litre diazinon (Substance A)	Diazinon	HSR000174 6.1C (D), 6.1D (I), 6.1D (O), 6.4A, 6.7B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
Wettable powder containing 500g/kg of diazinon	Diazinon	HSR000177 6.1D (O), 6.1D (D), 6.1D (I), 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
Emulsifiable concentrate containing 200g/litre diazinon	Diazinon	HSR000178 6.1D (O), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
Emulsifiable concentrate containing 500g/litre diazinon and 25g/litre permethrin	Diazinon and permethrin	HSR000179 6.1D (O), 6.1D (D), 6.1D (I), 6.1E (Aspiration), 6.5A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002 diazinon	24 hours	76 days
Emulsion (oil in water) containing 500-600g/litre diazinon	Diazinon	HSR000180 6.1D (O), 6.1D (D), 6.1D (I), 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	Cereals; Forage brassicas 40 days Pasture 46 days Seed crops (grass, clover, vegetables, ryegrass); Strawberries 57 days Apples, Pears; Tomatoes (outdoor); Avocados; Mandarins, Oranges 72 days All other crops, except: Cereals; Forage brassicas; Pasture; Apples, Pears; Seed crops (grass, clover, vegetables, ryegrass); Strawberries; Tomatoes (outdoor); Avocados; Mandarins, Oranges 76 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Emulsifiable concentrate containing 800g/litre diazinon (Substance B)	Diazinon	HSR000181 6.1D (O), 6.1D (D), 6.1D (I), 6.3A, 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
Emulsifiable concentrate containing 95g/litre diazinon	Diazinon	HSR000182 6.1D (D), 6.3A, 6.4A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
Emulsifiable concentrate containing 800g/litre diazinon (Substance C)	Diazinon	HSR000183 6.1C (D), 6.1D (O), 6.1D (I), 6.3A, 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
Emulsifiable concentrate containing 600g/litre diazinon	Diazinon	HSR000184 6.1D (O), 6.1D (D), 6.1D (I), 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
Diazamax 800	Diazinon	HSR002481 6.1D (O), 6.1D (D), 6.1D (I), 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	Cereals 39 days Pasture; Forage brassicas 49 days Seed crops (grass, clover, vegetables, ryegrass) 53 days Apples, Pears; Tomatoes (outdoor) 68 days All other crops, except: Cereals; Forage brassicas; Pasture; Apples, Pears; Seed crops (grass, clover, vegetables, ryegrass); Tomatoes (outdoor) 76 days
Emulsion (oil in water) containing 600g/litre diazinon	Diazinon	HSR007700 6.1D (O), 6.1D (D), 6.1D (I), 6.3A, 6.4A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days
DIAZEC 800	Diazinon	HSR100878 6.1D (O), 6.1D (D), 6.1D (I), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	76 days

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Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Dianex	Diazinon	HSR101016 6.1D (O), 6.1D (D), 6.1D (I), 6.1E (Aspiration), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002	24 hours	Cereals 39 days Pasture; Forage brassicas; Seed crops (grass, clover, and vegetables) 53 days Apples, Pears; Tomatoes (outdoor) 68 days All other crops, except: Cereals; Forage brassicas; Pasture; Apples, Pears; Seed crops (grass, clover, vegetables); Tomatoes (outdoor) 76 days
Aerosol containing 50g/kg dichlorvos	Dichlorvos	HSR000212 6.1B (D), 6.1C (I), 6.4A, 6.5B, 6.6B, 6.7B, 6.9B	Intended for enclosed space fogging to control a wide range of insect pests	Inhalation	0.0014	24 hours (for greenhouse applications) 48 hours (for non-greenhouse applications)	Indoor crops (greenhouse) 24 hours Indoor crops (non-greenhouse) 48 hours
Emulsifiable concentrate containing 1000g/litre dichlorvos	Dichlorvos	HSR000211 6.1B (D), 6.1B (I), 6.1C (O), 6.4A, 6.5B, 6.6A, 6.7B, 6.8A, 6.9A	Dichlorvos is a volatile Organophosphate insecticide used to control a wide range of insect pests across the agricultural, horticultural, biosecurity and public health industries, and in domestic/home settings	Inhalation	0.0014	a. 24 hours (for indoor applications - greenhouse) b. 48 hours (for indoor applications - non-greenhouse) c. 24 hours (for outdoor applications where the substance is applied at rates of less than 2000g (dichlorvos)/ha), and d. 48 hours (for outdoor applications where the substance is applied at rates of between 2000 and 2400g (dichlorvos)/ha)	Indoor crops (greenhouse) 24 hours Indoor crops (non-greenhouse) 48 hours All outdoor crops 48 hours

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Emulsifiable concentrate containing 1140g/litre dichlorvos	Dichlorvos	HSR000213 6.1B (D), 6.1B (I), 6.1C (O), 6.4A, 6.5B, 6.6A, 6.7B, 6.9A	Dichlorvos is a volatile Organophosphate insecticide used to control a wide range of insect pests across the agricultural, horticultural, biosecurity and public health industries, and in domestic/home settings	Inhalation	0.0014	a. 24 hours (for indoor applications - greenhouse) b. 48 hours (for indoor applications - non-greenhouse) c. 24 hours (for outdoor applications where the substance is applied at rates of less than 2000g (dichlorvos) / ha), and d. 48 hours (for outdoor applications where the substance is applied at rates of between 2000 and 2400g (dichlorvos)/ ha)	Indoor crops (greenhouse) 24 hours Indoor crops (non-greenhouse) 48 hours All outdoor crops 48 hours
Emulsifiable concentrate containing 400g/litre dimethoate	Dimethoate	HSR000188 6.1D (O), 6.1E (Aspiration), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.001	48 hours	49 days
Emulsifiable concentrate containing 100g/litre dimethoate	Dimethoate	HSR000191 6.1D (O), 6.1E (Aspiration), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.001	48 hours	49 days
Emulsifiable concentrate containing 500g/litre dimethoate	Dimethoate	HSR000193 6.1D (O), 6.1D (D), 6.4A, 6.8A, 6.9A	Organophosphate insecticide	Dermal	0.001	48 hours	49 days
Perfekthion S-1	Dimethoate	HSR000965 6.1D (O), 6.1D (D), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.001	48 hours	49 days

**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Danadim	Dimethoate	HSR100129 6.1C (O), 6.5A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.001	48 hours	Lucerne, Pasture, Cereals, Barley, Oats, Wheat 24 hours Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Potatoes, Fodder Beet, Sugar Beet, Red Beet, Kale, Rape, Turnips, Swedes 48 hours Strawberries, Blackcurrants 3 days Apples, Pears 15 days All other crops, except: Cereals, Barley, Oats, Wheat, Lucerne, Pasture, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Potatoes, Fodder Beet, Sugar Beet, Red Beet, Kale, Rape, Turnips, Swedes, Strawberries, Blackcurrants, Apples, Pears 49 days
Zampro	Ametoctradin and dimethomorph	HSR100709 6.1D(O), 6.9B	Ametoctradin is a preventative fungicide, controlling several fungal pathogens belonging to the Perenosporomycetes class of fungi  Dimethomorph is a systemic morpholine fungicide	Dermal	0.15 dimethomorph	24 hours	No REI proposed
Warlock Insecticide	Emamectin benzoate	HSR100932 6.4A, 6.1E(Aspiration), 6.8A, 6.9B	Insecticide for the control of pests in apples, pears, gapes, avocados and kiwifruit.	Dermal	0.0003	24 hours	All crops except: Apples, Pears; Avocados; Grapes; Kiwifruit 48 hours
MYCOTAL WG	Spores of the entomopathogenic fungus Lecanicillium muscarium 19.79 strain	HSR101089 6.5A, 6.5B	It is intended for use as a Microbial Pest Control Agent (MPCA) for the control of whitefly in greenhouse crops of tomato, cucumber, runner bean, broad bean, French bean, aubergine, lettuce, pepper, ornamental plant production and cut flowers	Dermal	No data	4 hours	24 hours
Goltix Uno Herbicide	Ethofumesate and metamiltron	HSR100598 6.1C (I), 6.1C, 6.9B	Herbicide for use on red beet, fodder beet, sugar beet and mangolds	Dermal	0.036 metamiltron	24 hours	Beets 29 days All other crops except: Beets 40 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Ethosin 500SC	Ethofumesate	HSR101238 6.4A, 6.9B	Ethosin 500SC is intended to be imported for use as a herbicide to control barley grass in pasture and various other weeds in ryegrass turf (for example, golf courses and sports fields), fodder beet and red beet (that is, beetroot)	Dermal	2.5	24 hours	No REI proposed
Emulsifiable concentrate containing 400g/litre fenamiphos	Fenamiphos	HSR000198 6.1B (O), 6.1C (D), 6.1D (I), 6.3A, 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0008	48 hours	100 days
Nemacur 400EC	Fenamiphos	HSR000956 6.1B (O), 6.1C (D), 6.1D (I), 6.4A, 6.9A	Organophosphate insecticide	Dermal	0.0008	48 hours	Carrots, Parsnips, Potatoes 92 days All other crops, except: Carrots, Parsnips, Potatoes 100 days
Fenafos 400	Fenamiphos	HSR002480 6.1B (O), 6.1C (D), 6.1D (I), 6.1E (Aspiration), 6.4A, 6.9A	Organophosphate insecticide	Dermal	0.0008	48 hours	Carrots, Parsnips, Potatoes 92 days All other crops, except: Carrots, Parsnips, Potatoes 100 days
Nematak 400EC	Fenamiphos	HSR007769 6.1B (O), 6.1C (D), 6.1D (I), 6.1E (Aspiration), 6.4A, 6.9A	Organophosphate insecticide	Dermal	0.0008	48 hours	Carrots, Parsnips, Potatoes 92 days All other crops, except: Carrots, Parsnips, Potatoes 100 days
Nemacur CS	Fenamiphos	HSR007894 6.1B (O), 6.1D (D), 6.1D (I), 6.4A, 6.9A	Organophosphate insecticide	Dermal	0.0008	48 hours	100 days
Canyon	Fenamiphos	HSR100282 6.1B (O), 6.1C (D), 6.1D (I), 6.1E (Aspiration), 6.9A, 8.3A	Organophosphate insecticide	Dermal	0.0008	48 hours	Carrots, Parsnips, Potatoes 92 days All other crops, except: Carrots, Parsnips, Potatoes 100 days
XF-92037	Fenbuconazole	HSR100609 6.9A	Fungicide for use on crops for the control of specific diseases	Dermal	0.02	24 hours	31 days



**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Sable	Fenoxaprop-P-ethyl	HSR101234 6.5B, 6.9B	Herbicide in autumn and spring sown wheat, barley, and perennial ryegrass and pasture for selective grass control	Dermal	0.0064	24 hours	Wheat, Barley, Perennial ryegrass, Pasture 24 hours All crops except: Wheat, Barley; Perennial ryegrass, Pasture 25 days
Sercadis	Fluxapyroxad	HSR100967 6.9B	Fungicide used to control black spot and powdery mildew in pears and apples	Dermal	0.04	7 days	Apples, Pears 9 days All crops except: Apples, Pears; Onions; Winter squash 11 days
Rainbow Glufosinate- Ammonium 200	glufosinate-ammonium Trade names: Bastnate Herbicide	HSR100830 6.3A, 6.4A, 6.8B, 6.9A (O)	Non-selective herbicide for the control of a wide range of broadleaf and grass weeds in orchard, vineyards, forestry and non-cropland areas	Dermal	0.0021	24 hours	Berryfruit – Raspberries and Brambles [Primocane control] 62 days Orchard and vineyard weed control; General weed control 0 days Stale seedbed preparation 0 days All crops except: Berryfruit – Raspberries and Brambles; Orchard and vineyards 73 days
Doxstar	Indoxacarb Trade name: Imperio	HSR100664 6.1D (O), 6.5B, 6.9A	Insecticide proposed to be used for the control of diamondback moth and cabbage white butterfly in vegetable brassicas, leaf roller caterpillars in kiwifruit, soybean looper control in lettuce, codling moth and leafroller caterpillars in apples and pears and leafroller caterpillars in grapes	Dermal	0.004	24 hours	Cabbage, Cauliflower, Broccoli, Brussels sprouts, and Head lettuce (outdoor); Grapes; Kiwifruit 39 days Apples, Pears 45 days All crops except: Cabbage, Cauliflower, Broccoli, Brussels sprouts, and Head lettuce (outdoor); Grapes; Kiwifruit; Apples, Pears 52 days
Kasumin	Kasugamycin	HSR100889 6.8B, 6.9B	Kasumin is intended for use as a bactericide antibiotic to control <i>Pseudomonas syringae</i> pv. <i>actinidiae</i> (Psa) in kiwifruit	Dermal	0.009	7 days	Kiwifruit 13 days All crops except Kiwifruit 19 days
GF-2595	Lambda-cyhalothrin and chlorpyrifos	HSR100908 6.1C (O), 6.1D (I), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.00063 lambda-cyhalothrin	24 hours	Maize 5 days Cereals 12 days Forage brassicas 18 days Potatoes 32 days All other crops, except: Forage brassicas; Cereals; Maize; Potatoes 58 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Emulsifiable concentrate containing 500g/litre maldison	Maldison	HSR000190 6.1D (O), 6.4A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.03	24 hours	46 days
Wettable powder containing 150–200g/kg carbaryl and 150–200g/kg mancozeb	Mancozeb and carbaryl	HSR007696 6.1D (O), 6.4A, 6.5B, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01 carbaryl	12 hours	32 days
Raincozeb Plus	Mancozeb	HSR100972 6.3A, 6.4A, 6.5A, 6.5B, 6.9B	Fungicide for the control of various spot, rust, rots and mildews on ornamentals, fruit and vegetable crops	Dermal	0.011	48 hours	Grapes; Strawberries; Boysenberries, Loganberries, Raspberries, Current (Red and Black), Gooseberries; Maize, Sweetcorn 20 days Ornamentals; Nectarines, Peaches 37 days Tomatoes; Potatoes; Beans, Broccoli, Brussels sprouts, Cabbage, Cauliflower, Carrots, Celery, Cucurbits: Cucumber, Melons, Pumpkin, Squash, Lettuce, Onions; Apples, Pears; Citrus 31 days All crops except: Grapes; Strawberries; Boysenberries, Loganberries, Raspberries, Current (Red and Black), Gooseberries; Maize, Sweetcorn; Tomatoes; Potatoes; Beans, Broccoli, Brussels sprouts, Cabbage, Cauliflower, Carrots, Celery, Cucurbits: Cucumber, Melons, Pumpkin, Squash, Lettuce, Onions; Apples, Pears; Citrus Ornamentals; Nectarines, Peaches 43 days
Soluble concentrate containing 600g/litre methamidophos (Substance B)	Methamidophos	HSR000203 6.1B (O), 6.1B (D), 6.1B (I), 6.9A, 8.2C, 8.3A	Organophosphate insecticide	Dermal	0.0001	48 hours	74 days

**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Soluble concentrate containing 600g/litre methamidophos (Substance A)	Methamidophos Trade names: Metafort 60SL Metafos 600	HSR000226 6.1B (O), 6.1B (D), 6.1B (I), 6.9A, 8.2C, 8.3A	Organophosphate insecticide	Dermal	0.0001	48 hours	Maize, Sweetcorn 56 days Potatoes, Kumara; Onions; Tomatoes (outdoor) 70 days All other crops, except: Maize, Sweetcorn, Potatoes, Kumara, Onions, Tomatoes (outdoor) 75 days
Goltix Uno Herbicide	Ethofumesate and metamitron	HSR100598 6.1C (I), 6.1C, 6.9B	Herbicide for use on red beet, fodder beet, sugar beet and mangolds	Dermal	0.036 metamitron	24 hours	Beets 29 days All other crops except: Beets 40 days
Brevis	Metamitron	HSR101178 6.1D (O), 8.3A	The active metamitron is used as both a plant growth regulator and an herbicide	Dermal	0.036	3 days	No REI proposed
Metafol 700 SC	Metamitron Trade name: Metafol SC	HSR101186 6.1B (I), 6.1D (O), 6.1D (D), 6.9B	Herbicide for the control of certain annual weeds in beet crops	Dermal	0.036	24 hours	Beets 9 days All crops except: Beets 20 days
Beetron PM	Metamitron and phenmedipham	HSR101235 6.1C (I), 6.9B	A selective herbicide for the control of broadleaf weeds in fodder beet, red beet and sugar beet	Dermal	0.036 metamitron	45 days	Beets 48 days All crops except: Beets 63 days
Soluble concentrate containing 200g/litre methomyl	Methomyl Trade names: Orion Methomyl 200SL Lumina Plus	HSR000584 6.1C (O), 6.1D (D), 6.1D (I), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0025	24 hours	Pasture 13 days Cereals; Maize, Sweetcorn 19 days Grapes; Lettuce; Beans; Bush and Canefruit; Cabbage, Cauliflower; Tomatoes (outdoor) 26 days All other crops, except: Pasture; Cereals; Maize, Sweetcorn; Grapes; Lettuce; Beans; Bush and Canefruit; Cabbage, Cauliflower; Tomatoes (outdoor); 30 days
ArmourCrop Insecticide	Methomyl	HSR007761 6.1D (O), 6.4A, 6.8B, 6.9B	Organophosphate insecticide	Dermal	0.0025	24 hours	56 days
Emulsifiable concentrate containing 45g/litre acephate and 8.8g/litre myclobutanil	Myclobutanil and acephate	HSR000156 6.8B, 6.9B	Organophosphate insecticide	Dermal	0.0012 acephate	24 hours	68 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Soluble concentrate containing 240g/litre oxamyl	Oxamyl	HSR000791 6.1B (O), 6.1B (I), 6.1D (D), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.001	24 hours	48 days
DuPont Zorvec Enicade Fungicide	Oxathiapiprolin	HSR101125 6.3A, 6.5B	Fungicide for the control of downy mildew in onions	Dermal	0.31	Till dry	24 hours
Ox 240 Herbicide	Oxyfluorfen	HSR100984 6.1E (Aspiration), 6.4A, 6.8A, 6.9B	Herbicide for selective vegetative control pre and post emergence	Dermal	0.03	24 hours	Forest nurseries, Pinus, Cupressus spp., Eucalyptus, Racosperma (Acacia) spp. [Post-emergence weed control under crops] 19 days All crops except: Apples, Grapes, Kiwifruit, Stonefruit; Forest nurseries, Pinus, Cupressus spp., Eucalyptus, Racosperma (Acacia) spp. 40 days
Beetron PM	Phenmedipham and metamitron	HSR101235 6.1C (I), 6.9B	A selective herbicide for the control of broadleaf weeds in fodder beet, red beet and sugar beet	Dermal	0.036 metamitron	45 days	Beets 48 days All crops except: Beets 63 days
Emulsifiable concentrate containing 500g/litre diazinon and 2g/litre permethrin	Permethrin and diazinon	HSR000179 6.1D (O), 6.1D (D), 6.1D (I), 6.1E (Aspiration), 6.5A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.0002 diazinon	24 hours	76 days
Emulsifiable concentrate containing 25g/litre permethrin and 475g/litre pirimiphos-methyl	Permethrin and pirimiphos-methyl	HSR000187 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.02 pirimiphos-methyl	12 hours	36 days
Emulsifiable concentrate containing 5g/litre permethrin and 95g/litre pirimiphos-methyl	Permethrin and pirimiphos-methyl	HSR000192 6.1E (Aspiration), 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.02 pirimiphos-methyl	12 hours	36 days

**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Attack	Permethrin and pirimiphos-methyl	HSR100602 6.1E (Aspiration), 6.3A, 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	An insecticide for the control of certain pests in avocados, citrus, flowers and ornamentals, glasshouse tomatoes and cucurbits, grapes, kiwifruit, persimmons, vegetable and fodder	Dermal	0.02 pirimiphos-methyl	12 hours	Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet 12 days Flowers and ornamentals; Grapes 22 days Citrus; Persimmons; Avocados 34 days All other crops, except: Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet; Flowers and ornamentals; Grapes; Citrus; Persimmons; Avocados 36 days
SILO SMOKE	Permethrin	HSR100873 6.1D (O), 6.4A, 6.5A, 6.5B, 6.9B	An insecticide for the control of a variety of insect pests in empty glasshouses, animal housing facilities, grain stores and silos	Inhalation	0.05	12 hours	24 hours after ventilation started
Ambush	Permethrin and pirimiphos-methyl Trade names: Pirithrin Synergy Ambush	HSR100911 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	It is intended for use as an insecticide in a variety of horticultural crops, including (but not limited to) fodder crops, citrus and avocados	Dermal	0.02 pirimiphos-methyl	12 hours	Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet 12 days Flowers and ornamentals; Kiwifruit; Grapes 22 days Citrus; Persimmons; Avocados 34 days All other crops, except: Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet; Flowers and ornamentals; Kiwifruit; Grapes; Citrus; Persimmons; Avocados 36 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Water dispersible granule containing 500g/kg pirimicarb (Substance B)	Pirimicarb Trade names: Pirimisect 500g/kg WDG Prohive Aphidex WG Pirahid Xtra Pirimor 50	HSR000703 6.1C (O), 6.1D (I), 6.4A, 6.5B, 6.9B	Organophosphate insecticide	Dermal	0.035	24 hours	Cucurbits; Flowering crops – Clovers, Lucerne, Peas, Broad beans, Forage brassicas, Oilseed rape; Kale, Swedes, Turnips, Cereals; Beans; Potatoes; Vegetable brassicas, Lettuce, Tomatoes 24 hours Stonefruit 4 days Apples 12 days All other crops, except: Cucurbits; Flowering crops – Clovers, Lucerne, Peas, Broad beans, Forage brassicas, Oilseed rape; Kale, Swedes, Turnips, Cereals; Beans; Potatoes; Vegetable brassicas, Lettuce, Tomatoes; Stonefruit; Apples 13 days
Water dispersible granule containing 500g/kg pirimicarb (Substance A)	Pirimicarb	HSR000704 6.1C (O), 6.1D (I), 6.4A, 6.9B	Organophosphate insecticide	Dermal	0.035	24 hours	13 days
Piritek	Pirimicarb	HSR007884 6.1C (O), 6.1D (I), 6.4A, 6.5B, 6.9B	Organophosphate insecticide	Dermal	0.035	24 hours	Cucurbits; Flowering crops – Clovers, Lucerne, Peas, Broad beans, Forage brassicas, Oilseed rape; Kale, Swedes, Turnips, Cereals; Beans; Potatoes; Vegetable brassicas, Lettuce, Tomatoes 24 hours Stonefruit 4 days Apples 12 days All other crops, except: Cucurbits; Flowering crops – Clovers, Lucerne, Peas, Broad beans, Forage brassicas, Oilseed rape; Kale, Swedes, Turnips, Cereals; Beans; Potatoes; Vegetable brassicas, Lettuce, Tomatoes; Stonefruit; Apples 13 days
Dovetail	Pirimicarb	HSR008052 6.1D (O), 6.1D (I), 6.1E (Aspiration), 6.5B, 6.9B, 8.2C, 8.3A	Organophosphate insecticide	Dermal	0.035	24 hours	Cereals 6 days Forage and Vegetable Brassicas 23 days Potatoes 26 days All other crops, except: Cereals; Brassicas; Potatoes 13 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Smoke generator containing 225g/kg pirimiphos-methyl	Pirimiphos-methyl	HSR000186 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Inhalation	0.02	12 hours	4 hours after ventilation started
Emulsifiable concentrate containing 25g/litre permethrin and 475g/litre pirimiphos-methyl	Pirimiphos-methyl and permethrin	HSR000187 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.02 pirimiphos-methyl	12 hours	36 days
Emulsifiable concentrate containing 5g/litre permethrin and 95g/litre pirimiphos-methyl	Pirimiphos-methyl and permethrin	HSR000192 6.1E (Aspiration), 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	Organophosphate insecticide	Dermal	0.02 pirimiphos-methyl	12 hours	36 days
Ambush	Pirimiphos-methyl and permethrin Trade names: Pirithrin Synergy Ambush	HSR100911 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	It is intended for use as an insecticide in a variety of horticultural crops, including (but not limited to) fodder crops, citrus and avocados	Dermal	0.02 pirimiphos-methyl	12 hours	Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet 12 days Flowers and ornamentals; Kiwifruit; Grapes 22 days Citrus; Persimmons; Avocados 34 days All other crops, except: Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet; Flowers and ornamentals; Kiwifruit; Grapes; Citrus; Persimmons; Avocados 36 days
Attack	Pirimiphos-methyl and permethrin	HSR100602 6.1E (Aspiration), 6.3A, 6.4A, 6.5A, 6.5B, 6.8B, 6.9A	An insecticide for the control of certain pests in avocados, citrus, flowers and ornamentals, glasshouse tomatoes and cucurbits, grapes, kiwifruit, persimmons, vegetable and fodder	Dermal	0.02 pirimiphos-methyl	12 hours	Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet 12 days Flowers and ornamentals; Grapes 22 days Citrus; Persimmons; Avocados 34 days All other crops, except: Glasshouse Tomatoes and Cucurbits; Forage brassicas; Vegetable brassicas; Fodder beet; Flowers and ornamentals; Grapes; Citrus; Persimmons; Avocados 36 days

REG 13.23 REQUIREMENTS							
Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Grainguard Supersmoke	Pirimiphos-methyl and deltamethrin	HSR101001 6.1D (O), 6.4A, 6.8B, 6.9A	Organophosphate insecticide	Inhalation	0.0075 deltamethrin	27 hours	3 hours after ventilation started
Barricade A12333G Herbicide	Prodiamine	HSR101240 6.9B (O)	pre-emergent herbicide for the control of weeds in established turf, garden beds and nursery pots	Dermal	0.018	20 days for treated turf	26 days
Emulsifiable concentrate containing 500g/litre prothiofos	Prothiofos	HSR000200 6.1D (O), 6.3A, 6.4A, 6.5B, 6.9A	Organophosphate insecticide	Dermal	0.0001	48 hours	Grapes 87 days All other crops, except: Grapes 93 days
Sharpen	Saflufenacil	HSR100571 6.8B, 6.9A	Herbicide used for post or pre-emergence control of weeds in certain orchard, crop, pre-plant burn down and non-agricultural situations	Dermal	0.015	24 hours	No REI proposed
Advance Gold	Salicylic acid	HSR101088 6.1D (O), 6.3A, 8.3A,	Intended for use as a plant growth regulator for the enhancement of bud break in horticultural crops <b>Does not meet criteria</b>	Dermal	0.38	Until dried	No REI proposed as this substance does not meet the definition of a pesticide as it is a plant growth regulator.
Elatus Plus	Solatenol (Benzovindiflupyr)	HSR101179 6.1D (O), 6.5B, 6.9B, 8.3A	A fungicide for the control of speckled leaf blotch, glume blotch, leaf rust and stripe rust in wheat	Dermal	0.04	Till dry	24 hours
Wettable powder containing 115g/kg carbaryl, 250g/kg copper as copper oxychloride and 284g/kg sulphur	Carbaryl, copper as copper oxychloride and sulphur	HSR000594 6.1D (O), 6.3A, 6.5B, 6.7B, 6.9B	Carbamate insecticide	Dermal	0.01 carbaryl	12 hours	32 days
Mavrik Duo	Tau-fluvalinate and primicarb	HSR101197 6.9B	Organophosphate insecticide	Dermal	0.0044 tau-fluvalinate	24 hours	Potatoes 3 days Cherries, Peaches, Plums; Nectarine 5 days All other crops, except: Cabbages; Cereals; Clover seed crops; Oilseed rape: Tomatoes (outdoor); Potatoes; Cherries, Peaches, Plums; Nectarine 13 days



**REG 13.23 REQUIREMENTS**

Substance name	Active ingredient	Approval number and relevant Class 6	Pesticide justification	Exposure route	AOEL mg/kg bw/Day	Previous HSNO REI	Proposed REI
Timorex Gold	Tea tree oil	HSR101142 6.1D (I), 6.3A, 6.4A, 6.5B, 6.9B	Fungicide on horticulture crops (apples, avocados, citrus, cucurbits, grapes, kiwifruit, onions, pasture, pears, potatoes, tomatoes, turf, wheat, barley, maize and strawberries) against rot, mould, fungi and some mildews	Dermal	0.3	Till dried or ventilated	Kiwifruit and grapes 24 hours All crops except: Grapes; Kiwifruit 7 days
Solvigo	Thiamethoxam and abamectin	HSR101003 6.1B (I), 6.1D (O), 6.8B, 6.8C, 6.9B	Solvigo is intended to be used to treat thrips and other insect pests in commercial onion crops	Dermal	0.0025 abamectin	24 hours	Bulb onions 11 days All crops except: Bulb onions 21 days
Emulsifiable concentrate containing 45g/litre acephate and 39g/litre triforine	Triforine and acephate	HSR000157 6.8A, 6.8C, 6.9B 8.2B, 8.3A	Organophosphate insecticide	Dermal	0.0012 acephate	24 hours	68 days
Emulsifiable concentrate containing 22.5g/litre acephate and 19.5g/litre triforine	Triforine and acephate	HSR000158 6.3A, 6.8A, 6.8C, 6.9B, 8.3A	Organophosphate insecticide	Dermal	0.0012 acephate	24 hours	68 days



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