Winter / spring insecticide guide 2022

# Registered chemicals for crops during winter / spring 2022

**Important**

The pesticides listed in the tables within this guide can be used on any crop appearing on the chemical label, as long as the rate used does not exceed the highest rate that is registered for use on that crop.

There are many products with different trade names that contain the same active ingredient. This list is not exhaustive and does not imply any specific recommendations of brand names.

Unless otherwise specified all insecticides listed are emulsifiable concentrate (EC). Insecticides with SC are suspension concentrate, WP is wettable powder, CS is capsule suspension, WG are wettable granules (water dispersible granules) and EW is emulsion. Ultra low volume (ULV) insecticides are not listed.

Read chemical label before use and check label withholding periods for grazing or hay/silage/fodder production before application.

Please turn on punctuation if using a screen reader.

The information tabled is a guide only. Whilst every care has been taken in preparation of the information, some errors or omissions may have occurred.

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**ALWAYS READ CHEMICAL LABEL BEFORE USE.**

**THIS INFORMATION IS A GUIDE ONLY AND DOES NOT LIST ALL REGISTERED INSECTICIDES.**

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## Control of cereal pests

Table 1 Registered insecticides for winter and spring cereal pests 2022

Chemical active ingredient names are listed. Rates are given as millilitres per hectare (mL/ha) unless specified otherwise; g/L refers to grams per litre; g/ha refers to grams per hectare; N/A refers to Not applicable.

| **Chemical active ingredient** | **Aphids** | **Russian wheat aphid** | **Army worm** |
| --- | --- | --- | --- |
| Afidopyropen 100g/L | 50^# | 50^# | N/A |
| Alpha-cypermethrin 100g/L | 125 (BYDV only) | N/A | 160-240 |
| Alpha-cypermethrin 250 g/L | 50 (BYDV only) | N/A | 96 |
| Alpha-cypermethrin 300g/L | 40 (BYDV only) | N/A | 80 |
| Alpha-cypermethrin 400g/L | 32 (BYDV only) | N/A | 60 |
| Beta-cypermethrin 100g/L | N/A | N/A | 290 |
| Btk [SC] (pest specific) | N/A | N/A | 1000-4000 |
| Btk [WG] (pest specific) | N/A | N/A | 500-2000g/ha |
| Chlorpyrifos 500g/L | N/A | N/A | 700-900 |
| Chlorpyrifos 700g/L | N/A | N/A | 500-645 |
| Cypermethrin 200g/L | N/A | N/A | 170% |
| Cypermethrin 250g/L | N/A | N/A | 135% |
| Cypermethrin 260g/L | N/A | N/A | 130% |
| Deltamethrin 27.5g/L | N/A | N/A | 500 |
| Dimethoate 400g/L | 500 | N/A | N/A |
| Esfenvalerate 50g/L | 100-300 (BYDV only) | N/A | N/A |
| Gamma-cyhalothrin 150g/L | 10-15 (BYDV only) | N/A | N/A |
| Lambda-cyhalothrin 250g/L | 12-18 (BYVD only) | 20-40^ | N/A |
| Methomyl 225g/L | N/A | N/A | 1000-1500 |
| Permethrin 500g/L | N/A | N/A | 100-200 |
| Sulfoxaflor 240g/L | 50-100\* | 100 | N/A |
| Sulfoxaflor 500g/kg | 25-50\*g/ha | 50g/ha | N/A |
| Trichlorfon 500g/L | N/A | N/A | 1200 |
| Pirimicarb 500g/kg (pest specific) | 150-300g/ha | 225-300g/ha | N/A |
| Pirimicarb 800g/kg (pest specific) | 95-190 g/ha | 190 g/ha | N/A |
| Zeta-Cypermethrin 100g/L | N/A | N/A | 170 |

**Symbols**

* Dose rates with caret (^) indicate the chemical can only be applied on wheat and barley.
* *Continued next page*
* Dose rates with percentage (%) indicate the chemical can only be applied to barley.
* Dose rates with number sign (#) indicate the chemical cannot be applied after growth stage 71 (watery ripe).
* Dose rates with an asterisk (\*) indicate the chemical cannot be applied after flag leaf stage.
* References to ‘BYDV only’ in the table means the chemical can only be applied for the control of cereal aphids in autumn for Barley yellow dwarf virus disease (BYDV).

## Control of lupin pests

Table 2 Registered insecticides for winter and spring lupin pests 2022

Chemical active ingredient names are listed. Rates are given as millilitres per hectare (mL/ha) unless specified otherwise; g/L refers to grams per litre; g/ha refers to grams per hectare; N/A refers to Not applicable.

| **Chemical active ingredient** | **Aphids** | **Native budworm** |
| --- | --- | --- |
| Alpha-cypermethrin 100g/L | N/A | 120-200 |
| Alpha-cypermethrin 250 g/L | N/A | 48-120 |
| Alpha-cypermethrin 300g/L | N/A | 40-70 |
| Alpha-cypermethrin 400g/L | N/A | 30-53 |
| Beta-cypermethrin 100g/L | N/A | 200-250 |
| Btk [SC] (pest specific) | N/A | 1000-4000 |
| Chlorantraniliprole 350g/kg | N/A | 70g/ha |
| Chlorantraniliprole 600g/L | N/A | 40 |
| Cypermethrin 200g/L | N/A | 120-300 |
| Cypermethrin 250g/L | N/A | 120-240 |
| Cypermethrin 260g/L | N/A | 115-230 |
| Deltamethrin 27.5g/L | N/A | 200 |
| Dimethoate 400g/L | 500 or 800+ | N/A |
| Emamectin 17g/L | N/A | 150-300 |
| Esfenvalerate 50g/L | N/A | 130-330 |
| Gamma-cyhalothrin 150g/L | N/A | 20 |
| Helicoverpa NPV (pest specific) | N/A | 100-375 |
| Lambda-cyhalothrin 250g/L | N/A | 24 |
| Methomyl 225g/L | N/A | 1500-2000 |
| Omethoate 800g/L | 250 | N/A |
| Pirimicarb 500g/kg (pest specific) | 250-300+g/ha  | N/A |
| Pirimicarb 800g/kg (pest specific | 160-190+g/ha | N/A |
| Spinetoram 120g/L (pest specific) | N/A | 200-300 |
| Zeta-Cypermethrin 100g/L | N/A | 150-300 |

**Symbols**

* Dose rates with a plus (+) indicate to check aphid species for rates of chemical (usually higher rates for Green peach aphid control).

## Control of canola pests

Table 3 Registered insecticides for winter and spring canola pests 2022

Chemical active ingredient names are listed. Rates are given as millilitres per hectare (mL/ha) unless specified otherwise; g/L refers to grams per litre; g/ha refers to grams per hectare; N/A refers to Not applicable

| **Chemical active ingredient** | **Aphids** | **Native budworm** | **Diamond back moth** |
| --- | --- | --- | --- |
| Afidopyropen 100g/L | 50% | N/A | N/A |
| Alpha-cypermethrin 100g/L | N/A | 200 or 300 | 400 |
| Alpha-cypermethrin 250 g/L | N/A | 80 or 120 | N/A |
| Alpha-cypermethrin 300g/L | N/A | 70-100 | 130-135 |
| Alpha-cypermethrin 400g/L | N/A | 53-75 | 100 |
| Beta-cypermethrin 100g/L | N/A | 200-250 | N/A |
| Btk [SC] (pest specific) | N/A | 1000-4000 | 1000-4000 |
| Btk [WG] (pest specific) | N/A | 500-2000g/ha | 500-2000g/ha |
| Cypermethrin 200g/L | N/A | 200-250 | N/A |
| Deltamethrin 27.5g/L | N/A | 500 | N/A |
| Emamectin 17g/L | N/A | 150-300 | 150-300 |
| Esfenvalerate 50g/L | N/A | 130-330 | 250 |
| Flonicamid 500g/kg | 100g/ha% | N/A | N/A |
| Gamma-cyhalothrin 150g/L | N/A | 20-30 | 20 |
| Helicoverpa NPV (pest specific) | N/A | 100-375 | N/A |
| Lambda-cyhalothrin 250g/L | N/A | 24-36 | 24 |
| Methomyl 225g/L | N/A | 1500-2000 | 1000 |
| Pirimicarb 500g/kg (pest specific) | 500 or 1000g/ha | N/A | N/A |
| Pirimicarb 800g/kg (pest specific) | 315 or 625g/ha | N/A | N/A |
| Spinetoram 120g/L (pest specific) | N/A | 150^ | 150^ |
| Sulfoxaflor 240g/L  | 100% | N/A | N/A |
| Sulfoxaflor 500g/kg | 50g/ha% | N/A | N/A |

**Symbols**

* Dose rates with a percent (%) indicate the chemical cannot be applied after the end of flowering

## Control of field pea pests

Table 4 Registered insecticides for winter and spring field pea pests 2022

Chemical active ingredient names are listed. Rates are given as millilitres per hectare (mL/ha) unless specified otherwise; g/L refers to grams per litre; g/ha refers to grams per hectare; N/A refers to Not applicable

| **Chemical active ingredient** | **Native budworm** | **Pea weevil** |
| --- | --- | --- |
| Alpha-cypermethrin 100g/L | 160-300 | 160-200 |
| Alpha-cypermethrin 250 g/L | 80-120 | 64-80 |
| Alpha-cypermethrin 300g/L | 53-100 | 53-70 |
| Alpha-cypermethrin 400g/L | 40-75 | 40 or 53 |
| Beta-cypermethrin 100g/L | 200-250 | 190-240 |
| Btk [SC] (pest specific) | 1000-4000 | N/A |
| Chlorantraniliprole 350g/kg | 70g/ha | N/A |
| Chlorantraniliprole 600g/L | 40  | N/A |
| Cypermethrin 200g/L | 200-250 | 200 |
| Cypermethrin 250g/L | 160-200 | 160 |
| Cypermethrin 260g/L | 155-208 | 155-208 |
| Deltamethrin 27.5g/L | 250-500 | 300-500 |
| Emamectin 17g/L | 150-300 | N/A |
| Esfenvalerate 50g/L | 130-330 | 330 |
| Gamma-cyhalothrin 150g/L | 20-30 | 30 |
| Helicoverpa NPV (pest specific) | 100-375 | N/A |
| Lambda-cyhalothrin 250g/L | 24 or 36 | 36 |
| Methomyl 225g/L | 1500-2000 | N/A |
| Permethrin 500g/L | 150-250 | N/A |
| Spinetoram 120g/L (pest specific) | 200-300 | N/A |
| Zeta-cypermethrin 100g/L | 200 or 250 | 200 |

## Control of pasture pests

Table 5 Registered insecticides for winter and spring pasture pests 2022

Chemical active ingredient names are listed. Rates are given as millilitres per hectare (mL/ha) unless specified otherwise; g/L refers to grams per litre; g/ha refers to grams per hectare; N/A refers to Not applicable

| **Chemical active ingredient** | **Aphids** | **Redlegged earth mite** |
| --- | --- | --- |
| Alpha-cypermethrin 100g/L | N/A | 50# |
| Alpha-cypermethrin 250 g/L | N/A | 20# |
| Alpha-cypermethrin 300g/L | N/A | 17-20 |
| Alpha-cypermethrin 400g/L | N/A | 13 |
| Beta-cypermethrin 100g/L | N/A | 60-90 |
| Bifenthrin 20g/L and chlorpyrifos 400g/L | 250-375 (lucerne seed crop) | N/A |
| Bifenthrin 30g/L and chlorpyrifos 600g/L | 165-250 (lucerne seed crop) | N/A |
| Chlorpyrifos 500g/L | 200-300 | 140-300 |
| Dimethoate 400g/L | 150-375 | 55-250 |
| Esfenvalerate 50g/L | 100 (lucerne) | 50-70 (autumn) |
| Gamma-cyhalothrin 150g/L | 20 (lucerne) | 8 (autumn) |
| Lambda-cyhalothrin 250g/L | 24 (lucerne) | 9 (autumn) |
| Maldison 440g/L | 1250 | N/A |
| Maldison 1000g/L | 550 | N/A |
| Maldison 1150g/L | 500 | N/A |
| Omethoate 290g/L | 100 | 100 |
| Phosmet 150g/L | N/A | 250-350 |
| Pirimicarb 500g/kg (pest specific) | 100-150g/ha | N/A |
| Pirimicarb 800g/kg (pest specific) | 65-95+g/ha | N/A |

**Symbols**

* Dose rates with a pound (#) indicate that the rate will be too low to give good control in bulky spring pastures.
* Reference to (lucerne) indicate that the rate can only be used on lucerne pasture.
* Reference to (autumn) indicate that the rate should only be used in pastures in autumn.
* Dose rates with a plus (+) indicate to check aphid species for rates of chemical (usually higher rates for Green peach aphid control).

## Pesticide active ingredient and equivalent trade names

Table 6 Pesticide active ingredient and equivalent trade names.

\*Trade names list may not be comprehensive – check with your retailer.

| **Insecticide group** | **Chemical names** | **Trade names**\* |
| --- | --- | --- |
| 1A Carbamates | Pirimicarb 500g/kg | Atlas, Aphidex 500, Piricarb WG, Piri-Ken, Pirimicarb 500, Pirimidex, Pirimor WG |
| 1A Carbamates | Pirimicarb 800g/kg | Aphidex 800 |
| 1A Carbamates | Methomyl 225g/L | Electra 225, Landrin, Lannate, Lannomyl, Lymo, Mayhem, Metho Insecticide, Methomyl, Methylate, Nudrin, Pirate, Seneca Insecticide, Sinmas, Thanos, Vitnam |
| 1B Organophosphates | Chlorpyrifos 400g/L | Pyrinex super (also contains group 3A bifenthrin 20g/L |
| 1B Organophosphates  | Chlorpyrifos 500g/L | Arysta LifeScience Chlorpyrifos 500, Chlorpyrifos, Chemicide, Chlor-P, Clip Insecticide, Chlorban, Chlorpos, Chlorpyrifos 500, Chop 500, Cuft, Dingo Fortune 500, Generifos 500, Kensban, Strike-Out, Outperform 360 (also contains group 3A bifenthrin 30g/L, Pest Controlle, Pidgeons Pest Controller 500, Pyrinex Super (also contains group 3A bifenthrin 20g/L), Strike-Out 500, Sureban 500, Task |
| 1B Organophosphates  | Chlorpyrifos 600g/L | Outperform 630 (also contains group 3A bifenthrin 30g/L) |
| 1B Organophosphates  | Chlorpyrifos 700g/L | Outplay 700 |
| 1B Organophosphates  | Dimethoate 400g/L | Danadim, Decimator, DiMet, Dimetholinx, Dimethoate, Dimethoate 400, Dimethoate Insecticide, Dimethon, Katar, Rover, Stalk |
| 1B Organophosphates  | Maldison 440g/L or 1000g/L or 1150g/L | Fyfanon 440EW, Hy-Mal 1150, Fyfanon 1000 |
| 1B Organophosphates | Omethoate 290g/L  | Le-mat 290  |
| 1B Organophosphates | Omethoate 800g/L | Folimat 800 |
| 1B Organophosphates | Phosmet 150g/L | Imidan |
| 1B Organophosphates | Trichlorfon 500g/L | Dipterex, Lepidex, Tipster, Trepidex, Tyranex |
| 3A Pyrethroids Pyrethrins | Alphacypermethrin 100g/L | 4Farmers, Accensi, Ace, ACP Alphacyp, Alf, Alfa, AlphaCy, Alpha C, Alpha-Cyp, Alpha-cypermethrin 100, Alpha Duo, Alpha Duo 100, Alphaguard, Alphanex, Alpha-Scud Elite, Alphasip Duo, Antares, Annihilate, Astound Duo, Buzzard, Centaur 100, *(continued next page)* *(continued)* Chieftain DuoCiperkey, Dictate Duo, Dictate 100, Dominex Duo, Duo 100, Ferocity, Ken-Tac 100, Smart Ace 100, Trump, Unichoice 100 |
| 3A Pyrethroids Pyrethrins | Alphacypermethrin 250g/L | Alphacypermethrin, Alphacyp, Alpha Duo, Alpha Forte, Alphanex, Prevail |
| 3A Pyrethroids Pyrethrins | Alphacypermethrin 300g/L | Alpha Cyper 300SC, Alpha Omega 300 SC, Alpha Scud 300, Ellias 300, Alpha-cypermethrin 300  |
| 3A Pyrethroids Pyrethrins | Alphacypermethrin 400g/L | Ellias Plus 400 |
| 3A Pyrethroids Pyrethrins | Beta-Cypermethrin 100g/L | Banshee, Chix |
| 3A Pyrethroids Pyrethrins | Bifenthrin 20g/L | Pyrinex Super (*Also contains Group 1B Chlorpyrifos 400g/L + Bifenthrin 20g/*L)  |
| 3A Pyrethroids Pyrethrins | Bifenthrin 30g/L | Outperform 360 (also contains group 1B Chlorpyrifos 600g/L) |
| 3A Pyrethroids Pyrethrins | Cypermethrin 200g/L | Boom 200, Cypermethrin 200, Cypershield, Cyrux  |
| 3A Pyrethroids Pyrethrins | Cypermethrin 250g/L | Cyper Plus, Cypermethrin 250, Cyrux Hemthrin Plus, Selene Plus |
| 3A Pyrethroids Pyrethrins | Cypermethrin 260g/L | Cypermethrin 260EC |
| 3A Pyrethroids Pyrethrins | Deltamethrin 27.5g/L | Ballistic, Deltamethrin Duo, Delta Duo, Decis Options, D-Sect, Deltashield |
| 3A Pyrethroids Pyrethrins | Esfenvalerate 50g/L | Sumi-Alpha Flex |
| 3A Pyrethroids Pyrethrins | Gamma-cyhalothrin 150g/L | Trojan |
| 3A Pyrethroids Pyrethrins | Lambda-cyhalothrin 250g/L | CyhellaFizzle, Flipper, Kiaiso 240g/kg Karate Zeon, Kick, Kung Fu, Lambda, Lambdacyhalothrin, Longbow, Matador with Zeon Tech, Miyagi, Taekwando  |
| 3A Pyrethroids Pyrethrins | Permethrin 500g/L | Ambush, Axe, Permekil, Permerid EC, Pounce, Stakeout, Zeeper EC  |
| 3A Pyrethroids Pyrethrins | Zeta-cypermethrin 100g/L | Fury 100 |
| 5 Spinosyns | Spinetoram 120g/L | Success Neo |
| 6 Avermectins | Emamectin Benzoate 17g/L | Affirm, Emamectin 17, Warlock, Warrior |
| 4C Sulfoximines | Sulfoxaflor 240g/L Or 500g/kg | Transform, Transform WG Transfrom Isoclast |
| 9D Pyropenes | Afidopyropen 100g/L | Versys |
| 28 Diamides | Chlorantraniliprole 350g/kg | Altacor, Charisma |
| 28 Diamides | Chlorantraniliprole 600g/L | Presticor, Titan Peacekeeper 600, Chlorantraniliprole |
| 29 Flonicamid | Flonicamid | Mainman |
| 11C Biological control | Btk (Bacillus thur. Kurstaki strain) | Agree, Delfin WG, Dipel DF or SC |
| 31 Biological control | Helicoverpa NPV | Armigen, Gemstar, Helicovex, Vivus, Vivus Max, Vivus Gold |

## Contact

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