

## AGROCHEMICALS

# Agrochemical catalogue

73 active ingredients and 444 specifications: technical materials, single-active formulations and mixtures for weed, disease, insect and mite control.

| Category                  | Active ingredients | Specifications |
|---------------------------|--------------------|----------------|
| Herbicides                | 15                 | 47             |
| Fungicides                | 27                 | 185            |
| Insecticides & acaricides | 31                 | 212            |

## How to use this catalogue

Each entry gives the chemical class, the resistance-management group (FRAC, IRAC or HRAC) and the catalogue specifications. The name links to the product page, with mode of action and technical notes.

Specifications, packaging and applicable uses are confirmed for the destination market and the agreed supply arrangement. Registered crops, targets, rates and pre-harvest intervals follow the label approved in each market.

Products and specifications outside the catalogue can also be quoted.

[Registration & market access](#)

[Send a product enquiry](#)

## Herbicides (15)

| Active ingredient                                                                  | Specifications                                                                                                                                                                                               |
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| <b>Bentazone</b><br>Benzothiadiazinone herbicide · HRAC 6                          | Bentazone 480 g/L SL<br>Bentazone 400 g/L + MCPA 60 g/L SL                                                                                                                                                   |
| <b>Cyhalofop-butyl</b><br>Aryloxyphenoxypropionate (FOP) herbicide · HRAC 1        | Cyhalofop-butyl 100 g/L EC<br>Cyhalofop-butyl 200 g/L OD                                                                                                                                                     |
| <b>Fluazifop-P-butyl</b><br>Aryloxyphenoxypropionate (FOP) herbicide · HRAC 1      | Fluazifop-P-butyl 90% TC<br>Fluazifop-P-butyl 150 g/L EC                                                                                                                                                     |
| <b>Fluroxypyr</b><br>Pyridine-carboxylic acid (synthetic auxin) herbicide · HRAC 4 | Fluroxypyr 288 g/L EC                                                                                                                                                                                        |
| <b>Glufosinate</b><br>Phosphinic acid herbicide · HRAC 10                          | Glufosinate ammonium salt 200 g/L SL<br>Glufosinate-L ammonium salt 200 g/L SL                                                                                                                               |
| <b>Glyphosate</b><br>Glycine-derivative herbicide · HRAC 9                         | Glyphosate 95% TC<br>Glyphosate 480 g/L IPA SL<br>Glyphosate Potassium salt 660 g/L SL<br>Glyphosate 75.7% SG                                                                                                |
| <b>Haloxypop-P-methyl</b><br>Aryloxyphenoxypropionate (FOP) herbicide · HRAC 1     | Haloxypop-P-methyl 90% TC<br>Haloxypop-P-methyl 108 g/L EC<br>Haloxypop-P-methyl 124.7 g/L EC<br>Haloxypop-P-methyl 120 g/L + Fluoroglycofen 180 g/L EC<br>Haloxypop-P-methyl 85 g/L + Rimsulfuron 25 g/L OD |
| <b>Imazapic</b><br>Imidazolinone herbicide · HRAC 2                                | Imazapic 70% WG<br>Imazapic 240 g/L AS<br>Imazapic 35 g/L + Metolachlor 365 g/L EW                                                                                                                           |
| <b>Imazethapyr</b><br>Imidazolinone herbicide · HRAC 2                             | Imazethapyr 97% TC<br>Imazethapyr 150 g/L SL<br>Imazethapyr 70% WG<br>Imazethapyr 100 g/L AS                                                                                                                 |
| <b>Mesotrione</b><br>Triketone herbicide · HRAC 27                                 | Mesotrione 97% TC<br>Mesotrione 480 g/L SC<br>Mesotrione 100 g/L + Terbutylazine 250 g/L SC<br>Mesotrione 50 g/L + Atrazine 200 g/L OD<br>Mesotrione 180 g/L + Nicosulfuron 60 g/L OD                        |
| <b>Nicosulfuron</b><br>Sulfonylurea herbicide · HRAC 2                             | Nicosulfuron 95% TC<br>Nicosulfuron 40 g/L OD<br>Nicosulfuron 75% WG<br>Nicosulfuron 60 g/L + Mesotrione 180 g/L OD<br>Nicosulfuron 40 g/L + 2,4-D ethylhexyl 360 g/L OD                                     |

| Active ingredient                                         | Specifications                                                                                                                 |
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| <b>Pendimethalin</b><br>Dinitroaniline herbicide · HRAC 3 | Pendimethalin 95% TC<br>Pendimethalin 330 g/L EC<br>Pendimethalin 450 g/L CS<br>Pendimethalin 200 g/L + Oxyfluorfen 140 g/L EC |
| <b>Pyroxasulfone</b><br>Isoxazoline herbicide · HRAC 15   | Pyroxasulfone 98% TC<br>Pyroxasulfone 85% WG<br>Pyroxasulfone 400 g/L SC                                                       |
| <b>Tebuthiuron</b><br>Urea herbicide · HRAC 5             | Tebuthiuron 97% TC<br>Tebuthiuron 500 g/L SC<br>Tebuthiuron 80% WG                                                             |
| <b>Tembotrione</b><br>Triketone herbicide · HRAC 27       | Tembotrione 97% TC<br>Tembotrione 77 g/L OD                                                                                    |

## Fungicides (27)

| Active ingredient                                                                                      | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Azoxystrobin</b><br>Strobilurin (QoI) fungicide · FRAC 11                                           | Azoxystrobin 98% TC<br>Azoxystrobin 250 g/L SC<br>Azoxystrobin 50% WG<br>Azoxystrobin 120 g/L + Tebuconazole 200 g/L SC<br>Azoxystrobin 200 g/L + Cyproconazole 80 g/L SC<br>Azoxystrobin 200 g/L + Flutriafol 200 g/L SC<br>Azoxystrobin 200 g/L + Difenconazole 125 g/L SC<br>Azoxystrobin 75 g/L + Propiconazole 12.5 g/L SC<br>Azoxystrobin 150 g/L + Fluazinam 300 g/L SC<br>Azoxystrobin 20% + Difenconazole 12.5% WG<br>Azoxystrobin 18% + Copper Hydroxide 54% WG<br>Azoxystrobin 120 g/L + Epoxiconazole 120 g/L + Propiconazole 200 g/L SE<br>Azoxystrobin 6.6% + Fludioxonil 1.1% + Metalaxyl-M 3.3% FS<br>Azoxystrobin 15 g/L + Fludioxonil 37.5 g/L + Metalaxyl-M 30 g/L + Thiabendazole 300 g/L FS |
| <b>Bixafen</b><br>Pyrazole-carboxamide (SDHI) fungicide · FRAC 7                                       | Bixafen 98% TC<br>Bixafen 155 g/L + Picoxystrobin 150 g/L + Prothioconazole 175 g/L SC<br>Bixafen 125 g/L + Prothioconazole 175 g/L + Trifloxystrobin 150 g/L SC<br>Bixafen 75 g/L + Prothioconazole 150 g/L EC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Chlorothalonil</b><br>Chloronitrile multi-site fungicide (FRAC M05) · FRAC M                        | Chlorothalonil 98% TC<br>Chlorothalonil 720 g/L SC<br>Chlorothalonil 35% + Mancozeb 31% WG<br>Chlorothalonil 375 g/L + Cyproconazole 40 g/L SC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Copper Hydroxide</b><br>Inorganic copper multi-site fungicide and bactericide (FRAC M01) · FRAC M   | Copper Hydroxide 77% WG<br>Copper Hydroxide 45% + Dimethomorph 30% WG<br>Copper Hydroxide 54% + Azoxystrobin 18% WG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Carbendazim</b><br>Benzimidazole (MBC) fungicide · FRAC 1                                           | Carbendazim 98% TC<br>Carbendazim 500 g/L SC<br>Carbendazim 125 g/L + Epoxiconazole 125 g/L SC<br>Carbendazim 280 g/L + Tebuconazole 220 g/L SC<br>Carbendazim 125 g/L + Metalaxyl 50 g/L + Thiram 250 g/L FS<br>Carbendazim 200 g/L + Thiram 200 g/L + Iprodione 100 g/L FS                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Copper Oxychloride</b><br>Inorganic copper multi-site fungicide and bactericide (FRAC M01) · FRAC M | Copper Oxychloride 84% WG<br>Copper Oxychloride 300 g/L + Pyraclostrobin 100 g/L SC<br>Copper Oxychloride 72% + Cyazofamid 6% WG<br>Copper Oxychloride 40% + Metalaxyl-M 5% WP<br>Copper Oxychloride 45% + Kasugamycin 2% WP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Active ingredient                                                        | Specifications                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Cyazofamid</b><br>Cyanoimidazole (Qil) fungicide · FRAC 21            | Cyazofamid 95% TC<br>Cyazofamid 6% + Copper Oxychloride 72% WG<br>Cyazofamid 14% + Cymoxanil 56% WG<br>Cyazofamid 100 g/L + Dimethomorph 300 g/L SC<br>Cyazofamid 100 g/L + Pyraclostrobin 200 g/L SC<br>Cyazofamid 173 g/L + Fluopicolide 173 g/L SC<br>Cyazofamid 24% + Famoxadone 40% WG<br>Cyazofamid 50 g/L + Fluazinam 250 g/L SC                                                                                  |
| <b>Cyproconazole</b><br>Triazole (DMI) fungicide · FRAC 3                | Cyproconazole 98% TC<br>Cyproconazole 400 g/L SC<br>Cyproconazole 100 g/L SL<br>Cyproconazole 80 g/L + Azoxystrobin 200 g/L SC<br>Cyproconazole 120 g/L + Picoxystrobin 200 g/L SC<br>Cyproconazole 80 g/L + Propiconazole 250 g/L EC<br>Cyproconazole 40 g/L + Chlorothalonil 375 g/L SC                                                                                                                                |
| <b>Difenoconazole</b><br>Triazole (DMI) fungicide · FRAC 3               | Difenoconazole 95% TC<br>Difenoconazole 250 g/L EC<br>Difenoconazole 10% WG<br>Difenoconazole 30 g/L FS<br>Difenoconazole 150 g/L + Propiconazole 150 g/L SC<br>Difenoconazole 125 g/L + Azoxystrobin 200 g/L SC<br>Difenoconazole 12.5% + Azoxystrobin 20% WG<br>Difenoconazole 35 g/L + Tebuconazole 15 g/L + Clothianidin 300 g/L FS                                                                                  |
| <b>Epoxiconazole</b><br>Triazole (DMI) fungicide · FRAC 3                | Epoxiconazole 70% WG<br>Epoxiconazole 120 g/L + Azoxystrobin 120 g/L + Propiconazole 200 g/L SE<br>Epoxiconazole 125 g/L + Carbendazim 125 g/L SC<br>Epoxiconazole 50 g/L + Pyraclostrobin 133 g/L SE<br>Epoxiconazole 150 g/L + Difenoconazole 150 g/L SC<br>Epoxiconazole 100 g/L + Thiophanate-methyl 400 g/L SC<br>Epoxiconazole 50 g/L + Tricyclazole 250 g/L SC<br>Epoxiconazole 200 g/L + Thifluzamide 100 g/L SC |
| <b>Fluazinam</b><br>Diarylamine (2,6-dinitroaniline) fungicide · FRAC 29 | Fluazinam 98% TC<br>Fluazinam 500 g/L SC<br>Fluazinam 80% WG<br>Fluazinam 300 g/L + Azoxystrobin 150 g/L SC<br>Fluazinam 56.5 g/L + Pyraclostrobin 30 g/L + Thiophanate-methyl 375 g/L FS<br>Fluazinam 250 g/L + Cyazofamid 50 g/L SC<br>Fluazinam 175 g/L + Dimethomorph 175 g/L SC<br>Fluazinam 200 g/L + Famoxadone 200 g/L SC<br>Fluazinam 300 g/L + Iprodione 150 g/L SC                                            |

| Active ingredient                                                                          | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Fludioxonil</b><br>Phenylpyrrole fungicide · FRAC 12                                    | Fludioxonil 25 g/L FS<br>Fludioxonil 150 g/L + Prochloraz 150 g/L SE<br>Fludioxonil 30 g/L + Thifluzamide 150 g/L FS<br>Fludioxonil 1.1% + Metalaxyl 1.7% + Thiamethoxam 22.2% FS<br>Fludioxonil 1.1% + Azoxystrobin 6.6% + Metalaxyl-M 3.3% FS<br>Fludioxonil 20 g/L + Prothioconazole 40 g/L + Thiamethoxam 420 g/L FS<br>Fludioxonil 25 g/L + Metalaxyl-M 30 g/L + Pyraclostrobin 50 g/L FS<br>Fludioxonil 25 g/L + Metalaxyl-M 20 g/L + Thiabendazole 150 g/L FS<br>Fludioxonil 37.5 g/L + Azoxystrobin 15 g/L + Metalaxyl-M 30 g/L + Thiabendazole 300 g/L FS |
| <b>Fluopicolide</b><br>Pyridinylmethyl-benzamide fungicide · FRAC 43                       | Fluopicolide 100 g/L + Metalaxyl-M 100 g/L SE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Kasugamycin</b><br>Aminoglycoside antibiotic fungicide and bactericide · FRAC 24        | Kasugamycin 20 g/L SL<br>Kasugamycin 20% SG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Mancozeb</b><br>Dithiocarbamate multi-site fungicide (FRAC M03) · FRAC M                | Mancozeb 64% + Cymoxanil 8% WP<br>Mancozeb 60% + Dimethomorph 9% WP<br>Mancozeb 64% + Metalaxyl-M 4% WG<br>Mancozeb 31% + Chlorothalonil 35% WG<br>Mancozeb 400 g/L + Picoxystrobin 27 g/L + Tebuconazole 33 g/L OD                                                                                                                                                                                                                                                                                                                                                |
| <b>Metalaxyl</b><br>Phenylamide (acylalanine) fungicide · FRAC 4                           | Metalaxyl 6.6 g/L + Tebuconazole 5 g/L FS<br>Metalaxyl 6.2 g/L + Tebuconazole 3 g/L + Prothioconazole 15.4 g/L FS<br>Metalaxyl 50 g/L + Carbendazim 125 g/L + Thiram 250 g/L FS<br>Metalaxyl 8% + Mancozeb 64% WP<br>Metalaxyl 8% + Dimethomorph 22% WG                                                                                                                                                                                                                                                                                                            |
| <b>Metalaxyl-M</b><br>Phenylamide fungicide; the active R-enantiomer of metalaxyl · FRAC 4 | Metalaxyl-M 4% + Mancozeb 64% WG<br>Metalaxyl-M 100 g/L + Fluopicolide 100 g/L SE<br>Metalaxyl-M 30 g/L + Fludioxonil 25 g/L + Pyraclostrobin 50 g/L FS<br>Metalaxyl-M 20 g/L + Fludioxonil 25 g/L + Thiabendazole 150 g/L FS<br>Metalaxyl-M 30 g/L + Azoxystrobin 15 g/L + Fludioxonil 37.5 g/L + Thiabendazole 300 g/L FS<br>Metalaxyl-M 5% + Copper Oxychloride 40% WP                                                                                                                                                                                          |
| <b>Picoxystrobin</b><br>Strobilurin (QoI) fungicide · FRAC 11                              | Picoxystrobin 98% TC<br>Picoxystrobin 200 g/L + Cyproconazole 80 g/L SC<br>Picoxystrobin 200 g/L + Prothioconazole 234 g/L SC<br>Picoxystrobin 150 g/L + Bixafen 155 g/L + Prothioconazole 175 g/L SC<br>Picoxystrobin 27 g/L + Mancozeb 400 g/L + Tebuconazole 33 g/L OD                                                                                                                                                                                                                                                                                          |
| <b>Prochloraz</b><br>Imidazole (DMI) fungicide · FRAC 3                                    | Prochloraz 450 g/L EC<br>Prochloraz 150 g/L + Fludioxonil 150 g/L SE<br>Prochloraz 250 g/L + Thifluzamide 100 g/L SC<br>Prochloraz 175 g/L + Difenoconazole 75 g/L SC<br>Prochloraz 267 g/L + Tebuconazole 133 g/L EW                                                                                                                                                                                                                                                                                                                                              |

| Active ingredient                                                  | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Propiconazole</b><br>Triazole (DMI) fungicide · FRAC 3          | Propiconazole 97% TC<br>Propiconazole 250 g/L EC<br>Propiconazole 418 g/L EC<br>Propiconazole 150 g/L + Difenconazole 150 g/L SC<br>Propiconazole 250 g/L + Cyproconazole 80 g/L EC<br>Propiconazole 200 g/L + Azoxystrobin 120 g/L + Epoxiconazole 120 g/L SE<br>Propiconazole 12.5 g/L + Azoxystrobin 75 g/L SC                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Prothioconazole</b><br>Triazolinthione (DMI) fungicide · FRAC 3 | Prothioconazole 98% TC<br>Prothioconazole 250 g/L EC<br>Prothioconazole 500 g/L SC<br>Prothioconazole 234 g/L + Picoxystrobin 200 g/L SC<br>Prothioconazole 175 g/L + Trifloxystrobin 150 g/L SC<br>Prothioconazole 190 g/L + Tebuconazole 190 g/L SC<br>Prothioconazole 200 g/L + Thifluzamide 200 g/L SC<br>Prothioconazole 175 g/L + Bixafen 125 g/L + Trifloxystrobin 150 g/L SC<br>Prothioconazole 175 g/L + Bixafen 155 g/L + Picoxystrobin 150 g/L SC<br>Prothioconazole 40 g/L + Fludioxonil 20 g/L + Thiamethoxam 420 g/L FS<br>Prothioconazole 15.4 g/L + Metalaxyl 6.2 g/L + Tebuconazole 3 g/L FS<br>Prothioconazole 150 g/L + Bixafen 75 g/L EC                                                                                                                 |
| <b>Pyraclostrobin</b><br>Strobilurin (QoI) fungicide · FRAC 11     | Pyraclostrobin 98% TC<br>Pyraclostrobin 250 g/L EC<br>Pyraclostrobin 160 g/L + Tebuconazole 320 g/L SC<br>Pyraclostrobin 100 g/L + Copper Oxychloride 300 g/L SC<br>Pyraclostrobin 5% + Metiram 55% WG<br>Pyraclostrobin 150 g/L + Boscalid 300 g/L SC<br>Pyraclostrobin 200 g/L + Famoxadone 200 g/L SC<br>Pyraclostrobin 100 g/L + Dithianon 300 g/L SC<br>Pyraclostrobin 133 g/L + Epoxiconazole 50 g/L SE<br>Pyraclostrobin 50 g/L + Fludioxonil 25 g/L + Metalaxyl-M 30 g/L FS<br>Pyraclostrobin 30 g/L + Fluazinam 56.5 g/L + Thiophanate-methyl 375 g/L FS<br>Pyraclostrobin 20 g/L + Fipronil 120 g/L + Thiamethoxam 240 g/L + Thiophanate-methyl 150 g/L FS                                                                                                         |
| <b>Tebuconazole</b><br>Triazole (DMI) fungicide · FRAC 3           | Tebuconazole 98% TC<br>Tebuconazole 430 g/L SC<br>Tebuconazole 250 g/L EW<br>Tebuconazole 60 g/L FS<br>Tebuconazole 120 g/L FS<br>Tebuconazole 320 g/L + Pyraclostrobin 160 g/L SC<br>Tebuconazole 200 g/L + Azoxystrobin 120 g/L SC<br>Tebuconazole 220 g/L + Carbendazim 280 g/L SC<br>Tebuconazole 50% + Trifloxystrobin 25% WG<br>Tebuconazole 190 g/L + Prothioconazole 190 g/L SC<br>Tebuconazole 150 g/L + Triadimefon 150 g/L EW<br>Tebuconazole 5 g/L + Metalaxyl 6.6 g/L FS<br>Tebuconazole 33 g/L + Mancozeb 400 g/L + Picoxystrobin 27 g/L OD<br>Tebuconazole 60 g/L + Imazalil 40 g/L + Thiabendazole 60 g/L FS<br>Tebuconazole 15 g/L + Difenconazole 35 g/L + Clothianidin 300 g/L FS<br>Tebuconazole 3 g/L + Metalaxyl 6.2 g/L + Prothioconazole 15.4 g/L FS |

| Active ingredient                                                     | Specifications                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Thiabendazole</b><br>Benzimidazole (MBC) fungicide · FRAC 1        | Thiabendazole 98% TC<br>Thiabendazole 500 g/L SC<br>Thiabendazole 60% WP<br>Thiabendazole 60 g/L + Imazalil 40 g/L + Tebuconazole 60 g/L FS<br>Thiabendazole 150 g/L + Fludioxonil 25 g/L + Metalaxyl-M 20 g/L FS<br>Thiabendazole 300 g/L + Azoxystrobin 15 g/L + Fludioxonil 37.5 g/L + Metalaxyl-M 30 g/L FS<br>Thiabendazole 150 g/L + Prochloraz 250 g/L SC |
| <b>Thiophanate-methyl</b><br>Thiophanate (MBC) fungicide · FRAC 1     | Thiophanate-methyl 98% TC<br>Thiophanate-methyl 70% WG<br>Thiophanate-methyl 375 g/L + Fluazinam 56.5 g/L + Pyraclostrobin 30 g/L FS<br>Thiophanate-methyl 150 g/L + Fipronil 120 g/L + Pyraclostrobin 20 g/L + Thiamethoxam 240 g/L FS<br>Thiophanate-methyl 400 g/L + Epoxiconazole 100 g/L SC                                                                 |
| <b>Thifluzamide</b><br>Thiazole-carboxamide (SDHI) fungicide · FRAC 7 | Thifluzamide 96% TC<br>Thifluzamide 240 g/L SC<br>Thifluzamide 100 g/L + Prochloraz 250 g/L SC<br>Thifluzamide 200 g/L + Prothioconazole 200 g/L SC<br>Thifluzamide 150 g/L + Fludioxonil 30 g/L FS<br>Thifluzamide 100 g/L + Epoxiconazole 200 g/L SC                                                                                                           |
| <b>Trifloxystrobin</b><br>Strobilurin (QoI) fungicide · FRAC 11       | Trifloxystrobin 98% TC<br>Trifloxystrobin 60 g/L + Tricyclazole 360 g/L SC<br>Trifloxystrobin 250 g/L + Flutriafol 290 g/L SC<br>Trifloxystrobin 150 g/L + Prothioconazole 175 g/L SC<br>Trifloxystrobin 150 g/L + Bixafen 125 g/L + Prothioconazole 175 g/L SC<br>Trifloxystrobin 25% + Tebuconazole 50% WG                                                     |

## Insecticides & acaricides (31)

| Active ingredient                                                   | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Abamectin</b><br>Avermectin insecticide and acaricide · IRAC 6   | Abamectin 95% TC<br>Abamectin 18 g/L EC<br>Abamectin 36 g/L EC<br>Abamectin 72 g/L EC<br>Abamectin 100 g/L SC<br>Abamectin 20 g/L + Indoxacarb 60 g/L SC<br>Abamectin 50 g/L + Spirodiclofen 400 g/L SC<br>Abamectin 50 g/L + Etoxazole 200 g/L SC<br>Abamectin 10 g/L + Cyromazine 300 g/L SC<br>Abamectin 11.4 g/L + Spiromesifen 228.6 g/L SC<br>Abamectin 16 g/L + Acetamiprid 165 g/L + Pyriproxyfen 90 g/L OD<br>Abamectin 2% + Pymetrozine 34% WG<br>Abamectin 16 g/L + Lufenuron 91 g/L SC                                          |
| <b>Acetamiprid</b><br>Neonicotinoid insecticide · IRAC 4A           | Acetamiprid 99% TC<br>Acetamiprid 200 g/L SL<br>Acetamiprid 70% WG<br>Acetamiprid 20% SG<br>Acetamiprid 20% SP<br>Acetamiprid 200 g/L + Lambda-cyhalothrin 150 g/L SC<br>Acetamiprid 200 g/L + Bifenthrin 200 g/L SC<br>Acetamiprid 186 g/L + Pyriproxyfen 124 g/L SE<br>Acetamiprid 31 g/L + Bifenthrin 27 g/L + Ethiprole 100 g/L EC<br>Acetamiprid 150 g/L + Flonicamid 100 g/L OD<br>Acetamiprid 60 g/L + Emamectin Benzoate 45 g/L OD<br>Acetamiprid 165 g/L + Abamectin 16 g/L + Pyriproxyfen 90 g/L OD                               |
| <b>Bifenthrin</b><br>Pyrethroid insecticide and acaricide · IRAC 3A | Bifenthrin 100 g/L EC<br>Bifenthrin 100 g/L SC<br>Bifenthrin 145 g/L + Thiamethoxam 205 g/L SC<br>Bifenthrin 50 g/L + Imidacloprid 250 g/L SC<br>Bifenthrin 200 g/L + Acetamiprid 200 g/L SC<br>Bifenthrin 90 g/L + Chlorfenapyr 210 g/L SC<br>Bifenthrin 100 g/L + Carbosulfan 300 g/L EC<br>Bifenthrin 15% + Dinotefuran 40% WP<br>Bifenthrin 90 g/L + Dinotefuran 210 g/L + Ethiprole 190 g/L SC<br>Bifenthrin 10 g/L + Pyriproxyfen 100 g/L + Spirotetramat 100 g/L SC<br>Bifenthrin 27 g/L + Acetamiprid 31 g/L + Ethiprole 100 g/L EC |
| <b>Bifenazate</b><br>Carbazate acaricide · IRAC 20D                 | Bifenazate 97% TC<br>Bifenazate 500 g/L SC<br>Bifenazate 300 g/L + Etoxazole 150 g/L SC<br>Bifenazate 200 g/L + Clofentezine 100 g/L SC<br>Bifenazate 150 g/L + Fenbutatin Oxide 150 g/L SC<br>Bifenazate 190 g/L + Fluazinam 220 g/L SC<br>Bifenazate 300 g/L + Pyridaben 150 g/L SC<br>Bifenazate 221 g/L + Spirodiclofen 221 g/L SC<br>Bifenazate 240 g/L + Spirotetramat 120 g/L SC                                                                                                                                                     |

| Active ingredient                                                                       | Specifications                                                                                                                                                                                                                                                                                                                               |
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| <b>Chlorfenapyr</b><br>Pyrrole insecticide and acaricide (pro-insecticide) · IRAC 13    | Chlorfenapyr 240 g/L SC<br>Chlorfenapyr 190 g/L + Lufenuron 50 g/L SC<br>Chlorfenapyr 180 g/L + Indoxacarb 120 g/L SC<br>Chlorfenapyr 210 g/L + Bifenthrin 90 g/L SC<br>Chlorfenapyr 160 g/L + Methoxyfenozide 80 g/L SC                                                                                                                     |
| <b>Chlorfluazuron</b><br>Benzoylurea insect growth regulator · IRAC 15                  | Chlorfluazuron 250 g/L SC<br>Chlorfluazuron 10 g/L + Beta-Cypermethrin 40 g/L EC<br>Chlorfluazuron 44 g/L + Flonicamid 176 g/L SC<br>Chlorfluazuron 10% + Emamectin Benzoate 5% WG                                                                                                                                                           |
| <b>Chlorantraniliprole</b><br>Anthranilic diamide insecticide · IRAC 28                 | Chlorantraniliprole 96% TC<br>Chlorantraniliprole 200 g/L SC<br>Chlorantraniliprole 625 g/L FS<br>Chlorantraniliprole 80 g/L + Thiamethoxam 320 g/L FS<br>Chlorantraniliprole 150 g/L + Clothianidin 150 g/L FS<br>Chlorantraniliprole 30% + Lufenuron 45% WG<br>Chlorantraniliprole 200 g/L + Lambda-cyhalothrin 100 g/L ZC                 |
| <b>Clothianidin</b><br>Neonicotinoid insecticide · IRAC 4A                              | Clothianidin 180 g/L FS<br>Clothianidin 300 g/L + Beta-Cyfluthrin 125 g/L SC<br>Clothianidin 150 g/L + Chlorantraniliprole 150 g/L FS<br>Clothianidin 300 g/L + Difenconazole 35 g/L + Tebuconazole 15 g/L FS<br>Clothianidin 360 g/L + Cyantraniliprole 120 g/L FS<br>Clothianidin 292 g/L + Fludioxonil 18 g/L + Prothioconazole 35 g/L FS |
| <b>Cyantraniliprole</b><br>Anthranilic diamide insecticide · IRAC 28                    | Cyantraniliprole 625 g/L FS<br>Cyantraniliprole 120 g/L + Clothianidin 360 g/L FS                                                                                                                                                                                                                                                            |
| <b>Diafenthiuron</b><br>Thiourea insecticide and acaricide (pro-insecticide) · IRAC 12A | Diafenthiuron 500 g/L SC                                                                                                                                                                                                                                                                                                                     |
| <b>Diflubenzuron</b><br>Benzoylurea insect growth regulator · IRAC 15                   | Diflubenzuron 480 g/L SC<br>Diflubenzuron 70 g/L + Methomyl 230 g/L SC<br>Diflubenzuron 25% + Lambda-cyhalothrin 10% WP                                                                                                                                                                                                                      |
| <b>Dinotefuran</b><br>Neonicotinoid insecticide · IRAC 4A                               | Dinotefuran 70% WG<br>Dinotefuran 40% + Bifenthrin 15% WP<br>Dinotefuran 105 g/L + Ethiprole 145 g/L SC<br>Dinotefuran 210 g/L + Bifenthrin 90 g/L + Ethiprole 190 g/L SC                                                                                                                                                                    |
| <b>Emamectin Benzoate</b><br>Avermectin insecticide · IRAC 6                            | Emamectin Benzoate 95% TC<br>Emamectin Benzoate 9.1% WG<br>Emamectin Benzoate 30% WG<br>Emamectin Benzoate 50% WG<br>Emamectin Benzoate 5% + Lufenuron 40% WG<br>Emamectin Benzoate 10% + Methoxyfenozide 48% WG<br>Emamectin Benzoate 45 g/L + Acetamiprid 60 g/L OD<br>Emamectin Benzoate 40 g/L + Spinosad 160 g/L OD                     |

| Active ingredient                                                        | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Ethiprole</b><br>Phenylpyrazole insecticide · IRAC 2B                 | Ethiprole 80% WG<br>Ethiprole 200 g/L SC<br>Ethiprole 145 g/L + Dinotefuran 105 g/L SC<br>Ethiprole 190 g/L + Bifenthrin 90 g/L + Dinotefuran 210 g/L SC<br>Ethiprole 100 g/L + Acetamiprid 31 g/L + Bifenthrin 27 g/L EC                                                                                                                                                                                                                                                                      |
| <b>Etoxazole</b><br>Oxazoline mite growth inhibitor · IRAC 10B           | Etoxazole 96% TC<br>Etoxazole 300 g/L SC<br>Etoxazole 150 g/L + Bifenazate 300 g/L SC<br>Etoxazole 200 g/L + Abamectin 50 g/L SC                                                                                                                                                                                                                                                                                                                                                               |
| <b>Fenitrothion</b><br>Organophosphate insecticide · IRAC 1B             | Fenitrothion 95% TC<br>Fenitrothion 40% WP<br>Fenitrothion 450 g/L EC                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Fipronil</b><br>Phenylpyrazole insecticide · IRAC 2B                  | Fipronil 96% TC<br>Fipronil 50 g/L SC<br>Fipronil 200 g/L SC<br>Fipronil 250 g/L FS<br>Fipronil 80% WG<br>Fipronil 250 g/L + Lambda-cyhalothrin 100 g/L SC<br>Fipronil 360 g/L + Thiamethoxam 280 g/L FS<br>Fipronil 250 g/L + Imidacloprid 250 g/L FS<br>Fipronil 120 g/L + Pyraclostrobin 20 g/L + Thiamethoxam 240 g/L + Thiophanate-methyl 150 g/L FS                                                                                                                                      |
| <b>Flonicamid</b><br>Pyridinecarboxamide insecticide · IRAC 29           | Flonicamid 96% TC<br>Flonicamid 50% WG<br>Flonicamid 100 g/L + Acetamiprid 150 g/L OD<br>Flonicamid 108 g/L + Bifenthrin 108 g/L SC<br>Flonicamid 105 g/L + Abamectin 21 g/L SC<br>Flonicamid 20% + Pymetrozine 30% WG<br>Flonicamid 30% + Nitenpyram 20% WG<br>Flonicamid 15% + Spirotetramat 35% WG                                                                                                                                                                                          |
| <b>Indoxacarb</b><br>Oxadiazine insecticide (pro-insecticide) · IRAC 22A | Indoxacarb 95% TC<br>Indoxacarb 150 g/L SC<br>Indoxacarb 30% WG<br>Indoxacarb 200 g/L EC<br>Indoxacarb 120 g/L + Chlorfenapyr 180 g/L SC<br>Indoxacarb 60 g/L + Abamectin 20 g/L SC<br>Indoxacarb 110 g/L + Chlorantraniliprole 110 g/L SC<br>Indoxacarb 100 g/L + Diafenthiuron 200 g/L SC<br>Indoxacarb 120 g/L + Emamectin Benzoate 40 g/L SC<br>Indoxacarb 100 g/L + Methoxyfenozide 300 g/L SC<br>Indoxacarb 135 g/L + Spinosad 27 g/L SC<br>Indoxacarb 140 g/L + Thiamethoxam 200 g/L SC |

| Active ingredient                                                           | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Imidacloprid</b><br>Neonicotinoid insecticide · IRAC 4A                  | Imidacloprid 98% TC<br>Imidacloprid 350 g/L SC<br>Imidacloprid 200 g/L SL<br>Imidacloprid 600 g/L FS<br>Imidacloprid 70% WG<br>Imidacloprid 25% WP<br>Imidacloprid 70% WS<br>Imidacloprid 90 g/L + Thiodicarb 260 g/L FS<br>Imidacloprid 150 g/L + Thiodicarb 450 g/L FS<br>Imidacloprid 300 g/L + Lambda-cyhalothrin 100 g/L SC<br>Imidacloprid 250 g/L + Bifenthrin 50 g/L SC<br>Imidacloprid 75 g/L + Cyfluthrin 25 g/L EC<br>Imidacloprid 250 g/L + Fipronil 250 g/L SC<br>Imidacloprid 25% + Acephate 45% WP |
| <b>Lufenuron</b><br>Benzoylurea insect growth regulator · IRAC 15           | Lufenuron 97% TC<br>Lufenuron 100 g/L SC<br>Lufenuron 50 g/L EC<br>Lufenuron 100 g/L EC<br>Lufenuron 50 g/L + Chlorfenapyr 190 g/L SC<br>Lufenuron 45% + Chlorantraniliprole 30% WG<br>Lufenuron 40% + Emelectin Benzoate 5% WG<br>Lufenuron 20% + Thiodicarb 60% WG<br>Lufenuron 50 g/L + Profenofos 500 g/L EC                                                                                                                                                                                                  |
| <b>Lambda-cyhalothrin</b><br>Pyrethroid insecticide · IRAC 3A               | Lambda-cyhalothrin 50 g/L EC<br>Lambda-cyhalothrin 250 g/L SC<br>Lambda-cyhalothrin 350 g/L SC<br>Lambda-cyhalothrin 250 g/L CS<br>Lambda-cyhalothrin 106 g/L + Thiamethoxam 141 g/L SC<br>Lambda-cyhalothrin 100 g/L + Imidacloprid 300 g/L SC<br>Lambda-cyhalothrin 150 g/L + Acetamiprid 200 g/L SC<br>Lambda-cyhalothrin 100 g/L + Fipronil 250 g/L SC<br>Lambda-cyhalothrin 100 g/L + Chlorantraniliprole 200 g/L ZC<br>Lambda-cyhalothrin 10% + Diflubenzuron 25% WP                                        |
| <b>Methoxyfenozide</b><br>Diacylhydrazine insect growth regulator · IRAC 18 | Methoxyfenozide 98% TC<br>Methoxyfenozide 240 g/L SC<br>Methoxyfenozide 80 g/L + Chlorfenapyr 160 g/L SC<br>Methoxyfenozide 48% + Emelectin Benzoate 10% WG                                                                                                                                                                                                                                                                                                                                                       |
| <b>Malathion</b><br>Organophosphate insecticide · IRAC 1B                   | Malathion 450 g/L EC<br>Malathion 700 g/L EC<br>Malathion 1000 g/L EC<br>Malathion 1170 g/L ULV                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Nitenpyram</b><br>Neonicotinoid insecticide · IRAC 4A                    | Nitenpyram 50% SP<br>Nitenpyram 20% + Pymetrozine 60% WG                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Active ingredient                                                                                            | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Pyriproxyfen</b><br>Juvenile hormone mimic insect growth regulator · IRAC 7C                              | Pyriproxyfen 100 g/L EC<br>Pyriproxyfen 500 g/L EC<br>Pyriproxyfen 124 g/L + Acetamiprid 186 g/L SE<br>Pyriproxyfen 100 g/L + Bifenthrin 10 g/L + Spirotetramat 100 g/L SC<br>Pyriproxyfen 90 g/L + Abamectin 16 g/L + Acetamiprid 165 g/L OD                                                                                                                                                                                                                                                                                                                                                       |
| <b>Pymetrozine</b><br>Pyridine azomethine insecticide · IRAC 9B                                              | Pymetrozine 50% WP<br>Pymetrozine 50% WG<br>Pymetrozine 70% WS<br>Pymetrozine 60% + Nitenpyram 20% WG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Spirotetramat</b><br>Tetramic acid derivative insecticide · IRAC 23                                       | Spirotetramat 240 g/L SC<br>Spirotetramat 500 g/L SC<br>Spirotetramat 100 g/L + Bifenthrin 10 g/L + Pyriproxyfen 100 g/L SC<br>Spirotetramat 124 g/L + Abamectin 31 g/L SC                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Spinosad</b><br>Spinosyn insecticide, a fermentation product of <i>Saccharopolyspora spinosa</i> · IRAC 5 | Spinosad 480 g/L SC<br>Spinosad 160 g/L + Emamectin Benzoate 40 g/L OD<br>Spinosad 112 g/L + Bifenthrin 128 g/L SC<br>Spinosad 21 g/L + Chlorantraniliprole 192 g/L SC<br>Spinosad 20 g/L + Chlorfenapyr 100 g/L SC<br>Spinosad 34 g/L + Dinotefuran 180 g/L SC<br>Spinosad 53 g/L + Lufenuron 106 g/L SC<br>Spinosad 110 g/L + Methoxyfenozide 220 g/L SC<br>Spinosad 53 g/L + Tolfenpyrad 160 g/L SC<br>Spinosad 100 g/L + Thiamethoxam 200 g/L SC                                                                                                                                                |
| <b>Thiamethoxam</b><br>Neonicotinoid insecticide · IRAC 4A                                                   | Thiamethoxam 98% TC<br>Thiamethoxam 25% WG<br>Thiamethoxam 70% WG<br>Thiamethoxam 350 g/L FS<br>Thiamethoxam 141 g/L + Lambda-cyhalothrin 106 g/L SC<br>Thiamethoxam 205 g/L + Bifenthrin 145 g/L SC<br>Thiamethoxam 320 g/L + Chlorantraniliprole 80 g/L FS<br>Thiamethoxam 150 g/L + Thiodicarb 450 g/L FS<br>Thiamethoxam 280 g/L + Fipronil 360 g/L FS<br>Thiamethoxam 22.2% + Metalaxyl 1.7% + Fludioxonil 1.1% FS<br>Thiamethoxam 420 g/L + Prothioconazole 40 g/L + Fludioxonil 20 g/L FS<br>Thiamethoxam 240 g/L + Fipronil 120 g/L + Pyraclostrobin 20 g/L + Thiophanate-methyl 150 g/L FS |
| <b>Thiodicarb</b><br>Oxime carbamate insecticide · IRAC 1A                                                   | Thiodicarb 98% TC<br>Thiodicarb 350 g/L SC<br>Thiodicarb 75% WP<br>Thiodicarb 80% WG<br>Thiodicarb 350 g/L FS<br>Thiodicarb 60% + Lufenuron 20% WG<br>Thiodicarb 450 g/L + Thiamethoxam 150 g/L FS<br>Thiodicarb 450 g/L + Imidacloprid 150 g/L FS                                                                                                                                                                                                                                                                                                                                                  |