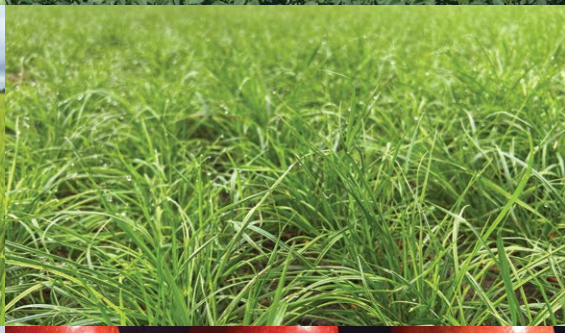
FMC An Agricultural Sciences Company



2025 New Zealand Portfolio Guide

Advancing Chemistry to Advance New Zealand Agriculture

About FMC

FMC is an Agricultural Sciences Company that advances farming through innovation and sustainable crop protection technologies.

From our industry-leading discovery pipeline to unique application systems, to modern biological products, we are passionate about bringing new solutions to growers around the world.

For more than 130 years, we've been engrained in agriculture and innovation. Today, FMC continues to earn the trust of growers and industry partners by maximising their productivity, profitability and sustainability.

Our team of 100 people across Australia and New Zealand is guided by FMC's values: Integrity, Safety, Sustainability, Respect for People, Agility, and Customer Centricity. It is what sets FMC apart, and is key to our long-term growth.

FMC has manufacturing operations worldwide, including in Australia. Our Wyong, Australia facility has been manufacturing quality crop protection products, working to strict safety, environmental and quality standards, for more than 30 years.

To learn more, visit **ag.fmc.com/nz**

Authority® SC

HERBICIDE

Product Overview

Authority® SC is a pre-emergence herbicide which is taken up through plant roots as they emerge through treated soil. Authority® SC may also be taken up through the foliage of plants which are present at the time of treatment.

Active ingredient	480 g/ L Sulfentrazone
Mode of Action	**GROUP 14 HERBICIDE** Inhibitor of protoporphyrinogen oxidase (PPO)
Formulation	Suspension concentrate (SC)
Pack sizes	1 L
Registered crops	Buttercup Squash, Potato, Pumpkin
Application rate	300 mL to 470 mL/ ha.
Surfactant	Not required
Spray application	Apply to a dry soil in sufficient water to obtain even coverage with calibrated ground spraying equipment (not air assisted) before both weeds and crop have emerged.
Application timing	Apply after final ridging and before weed emergence.
Re-cropping interval	12 Months: Barley, Capsicums, Carrots, Cereals, Chick peas, Fava beans, Field peas, Green beans, Lentils, Lupins, Navy beans, Oats, Onions, Potatoes, Processing peas, Pumpkin, Rock melons, Ryecorn, Squash, Triticale, Watermelons, Wheat, Zucchini. 18 months: Maize, Sweet corn. 24 months: Beets, Brassicas, all other crops. Refer to the product label for further advice.
Withholding periods	Harvest: Not required when used as directed.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Foxtrot®
HERBICIDE

Product Overview

For selective control of certain grass weeds in autumn and spring sown Barley, Wheat and Perennial ryegrass crops and in Pasture.

Active ingredient	69 g/L fenoxaprop-p-ethyl and 34.5 g/L cloquintocet-mexyl
Mode of Action	**GROUP 1 HERBICIDE** Inhibitor of acetyl CoA carboxylase (ACCase)
Formulation	Emulsion, Oil-in-Water (EW)
Pack sizes	10 L
Registered crops	Barley, Wheat, Perennial ryegrass, Pasture
Application rate	750 mL/ha
Surfactant	Wheat and Barley only: Add adjuvant oil at recommended rates. Refer to the product label.
Spray application	Ground application: Apply in a minimum of 250 L/ha water through an accurately calibrated boom sprayer.
Application timing	Apply when weeds are actively growing between the 3 leaf visible stage and the end of tillering. In established pasture apply 7 days after grazing during December/January.
Re-cropping interval	Refer to the product label or contact your local FMC representative for the latest advice.
Withholding periods	BARLEY AND WHEAT: Harvest: Not required when used as directed. Grazing: DO NOT graze treated crop for at least 70 days after treatment. PERENNIAL RYEGRASS: Harvest: Not required when used as directed. Grazing: DO NOT graze treated crop for at least 42 days after treatment. PASTURE: Grazing: DO NOT graze treated pasture for at least 28 days after treatment.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Glean®
HERBICIDE

Product Overview

For the selective post-emergence control of broadleaf weeds in Barley, Wheat and Oats.

Active ingredient	750 g/kg chlorsulfuron
Mode of Action	**GROUP 2 HERBICIDE** Inhibitor of acetolactate synthase (ALS)
Formulation	Water Dispersible Granule (WG)
Pack sizes	200 gm
Registered crops	Barley, Wheat and Oats. (DO NOT spray Glean® Herbicide on cereal crops undersown with clover or lucerne)
Application rate	20 g/ha
Surfactant	Add a non-ionic surfactant at recommended rates.
Spray application	Ground application: Apply in a minimum of 60 L/ha water through an accurately calibrated boom sprayer.
Application timing	Apply to young actively growing weeds (less than 5cm tall or across) before the crop canopy closes in, from the 2 leaf stage of the crop but before the boot stage. Refer to product label for advice on controlling thistles.
Re-cropping interval	Wheat & Oats: WITHIN 3 months, following harvest and WITHIN 12 months pasture, green feed crops (Brassicas), Peas & Lucerne In the event of a crop failure, DO NOT replant to any other crop other than wheat or oats within 3 months of applying Glean®. Following harvest of the cereal crop, and within 12 months of the Glean® application, the paddock can be sown down into pasture, greenfeed crops (brassicas), peas or lucerne. DO NOT replant any other crop without first consulting the local FMC Representative.
Withholding periods	Harvest: Not required when used as directed. Grazing: DO NOT graze treated crops for at least 42 days after treatment.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Granstar®
HERBICIDE

Product Overview

For the selective post-emergence control of broadleaf weeds in Wheat, Barley and Oats, and, when applied in a tank mixture with a glyphosate herbicide, for improved control of tough broadleaf weeds 14 days before the establishment of certain arable crops.

Active ingredient	750 g/kg tribenuron-methyl
Mode of Action	**GROUP 2 HERBICIDE** Inhibitor of acetolactate synthase (ALS)
Formulation	Water Dispersible Granule (WG)
Pack sizes	200 gm, 1 Kg,
Registered crops	Wheat, Barley, Oats, Brassicas, Cereals, Maize, New pastures, Peas, Potatoes or Squash.
Application rate	15 g – 40 g/ha (weed and application timing dependent). Refer to the product label.
Surfactant	Add a non-ionic surfactant at recommended rates.
Spray application	Ground application: Apply in a minimum of 60 L/ha water through an accurately calibrated boom sprayer.
Application timing	In Cereals, apply to young actively growing weeds (less than 5cm tall or across) before crop canopy closes in, from the 2 leaf of the crop, but before the boot stage.
Re-cropping interval	Conservation tillage: DO NOT sow crops within 14 days of applying Granstar® herbicide. DO NOT sow brassica species into Granstar® treated areas if soil pH exceeds 6.5. DO NOT apply Granstar® within 2 months of a lime application.
Withholding periods	Grazing: Not required when used as directed. However, grazing or cultivation of treated areas should be delayed for 3 days as part of good agricultural practice.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Hammer® Force

HERBICIDE

Product Overview

For improved control of broadleaf weeds when applied with a knockdown herbicide, before the establishment of various crops and in non-agricultural areas. Also, when tank mixed with an appropriate partner herbicide, for improved early post-emergence control of broadleaf weeds in cereals and grass seed crops, and for the desiccation of Seed potato haulms.

Active ingredient	240 g/L carfentrazone-ethyl
Mode of Action	**GROUP 14 HERBICIDE** Inhibitor of protoporphyrinogen oxidase (PPO)
Formulation	Emulsion, Oil in Water (EW).
Pack sizes	1 L, 4 L
Registered crops	Weed control prior to planting crops or pastures, Grass seed crops, Wheat, Barley, Seed Potato haulm desiccation.
Application rate	70 mL – 250 mL/ha. Refer to the product label.
Surfactant	Only recommended with Haulm desiccation of potatoes (25 mL/ 100 L of a non-ionic surfactant).
Spray application	Pre-plant burndown: Apply in a minimum of 60 L/ha water through an accurately calibrated boom sprayer. In-crop: Apply in a minimum of 100 L/ha water through an accurately calibrated boom sprayer. Haulm desiccation: Apply in a minimum of 200 L/ha water through an accurately calibrated boom sprayer.
Application timing	Pre-plant burndown: Application should be made to small, actively growing weeds generally before the 6 to 8 leaf growth stage. In-crop: Ideally crops should be at the 3 leaf to early/mid tillering stage prior to canopy closure.
Re-cropping interval	Refer to the product label or contact your local FMC representative for the latest advice
Withholding periods	Harvest: Seed Potatoes:14 days (DO NOT spray on crops with exposed tubers). Grazing: Not required. However, grazing too early after application may result in reduced weed control.

Harmony® 50SG

HERBICIDE

Product Overview

For selective post-emergence control of buttercups and dock in Pasture, Wheat, Barley and Oats and for use in conservation tillage.

Active ingredient	500 g/kg thifensulfuron-methyl
Mode of Action	**GROUP 2 HERBICIDE** Inhibitor of acetolactate synthase (ALS)
Formulation	Water Dispersible Granule (WG)
Pack sizes	150 gm
Registered crops	Pasture, Wheat, Barley, Oats, Brassicas, Cereals, Maize, New pastures, Peas, Potatoes or Squash. DO NOT apply to Grass or Clover seed crops or Hay crops.
Application rate	30 g/ha. Refer to label for further advice
Surfactant	Yes (Wheat, Barley and Oats only)
Spray application	Pre-plant burndown: Apply in a minimum of 60 L/ha water through an accurately calibrated boom sprayer In-crop or Pasture: Apply with 100 L – 300 L/ha water through an accurately calibrated boom sprayer.
Application timing	Pre-plant burndown: Application should be made to small, actively growing weeds. Wheat, Barley, Oats: Apply to young actively growing weeds (less than 5cm tall or across) before crop canopy closes in from the 2 leaf stage of the crop, but before the boot stage. Pastures: Apply in spring 1-2 weeks after the area has been grazed and the maximum number of weed seedlings and young plants are present. Follow up treatments may be required.
Re-cropping interval	Conservation tillage: DO NOT sow crops for 14 days following application.
Withholding periods	Grazing: DO NOT graze treated areas for 7 days after application.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Magister® CS

HERBICIDE

Product Overview

A pre-emergence residual herbicide for control of certain broadleaf and grass weeds in Carrots, Peas, Pumpkin, Buttercup Squash, Potatoes, Dwarf Green Beans, Oilseed Rape, Fodder Beet and certain Fodder, Seed and Vegetable Brassicas.

Active ingredient	360 g/L clomazone
Mode of Action	**GROUP 13 HERBICIDE** Inhibitor of carotenoid biosynthesis (DOXP inhibitor)
Formulation	Capsule suspension (CS)
Pack sizes	1 L, 5 L
Registered crops	Carrots, Dwarf green beans,, Peas, Pumpkins, Buttercup squash, Potatoes, Broccoli, Brussels Sprouts, Cabbage, Kohlrabi, Forage and Seed Brassicas, Oilseed rape and Fodder Beet.
Application rate	150 – 660 mL/ha (crop and soil type dependent). Refer to the product label.
Surfactant	Not required.
Spray application	Apply in a minimum of 150 L/ha water through an accurately calibrated boom sprayer with a minimum coarse spray quality.
Application timing	Pre-emergent. Apply to a moist, firm seedbed free from clods, before both weeds and crop have emerged.
Re-cropping interval	If 660 mL/ha was used, replant only with Cucurbits, and Legumes (Peas, Beans, etc.) within 4 months of application. If 250 - 330 mL/ha was used, the labelled crops may be re-planted immediately. Other crops: Contact your local FMC representative for the latest advice.
Withholding periods	Not required when used as directed.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Shark®
HERBICIDE

Product Overview

A post-emergence contact herbicide for use with knock down herbicides to improve control of certain broadleaf weeds including mallows in horticulture crops including orchards and vineyards. Applied alone through shielded spray equipment for desuckering of grapevines and for shoot control in hops and primocane control in brambles and cane fruit. For desiccation of Seed Potato haulms.

Active ingredient	60 g/L carfentrazone-ethyl
Mode of Action	**GROUP 14 HERBICIDE** Inhibitor of protoporphyrinogen oxidase (PPO)
Formulation	Micro-emulsion (ME)
Pack sizes	1 L, 5 L
Registered crops	Grapevines, Berry fruit, Hops, Seed Potato Haulm desiccation, pre-planting ground preparation and to assist in weed control in non-crop situations.
Application rate	Desuckering: 300 mL - 400 mL/100 L (crop and situation specific). Refer to the product label. Weed Control: 200 mL – 400 mL/ha Seed Potato Haulm desiccation: 1 L/ha.
Surfactant	General weed control: Li 700 at 0.25 L/100 L water is recommended to aid in the control of drift.
Spray application	Ground application: Appy in 100 L – 300 L/ha water through an accurately calibrated boom sprayer. Desuckering: Use sufficient spray volume to ensure that the spray solution thoroughly wets the foliage and stems of unwanted suckers to the point of run-off.
Application timing	Grapevines: Apply to suckers less than 300 mm long, before any lignification is present on the sucker growth. Berry fruit: Apply to primocanes not exceeding 25 cm in length as a directed high-volume spray. Hops: Apply as a directed spray to shoots when the Hops are 2 metres tall and spray not more than 1 metre from the base of the plant. Haulm desiccation: Apply in the later stages of senescence to provide desiccation of Potato foliage and vines. A second application at 7 days may be required on vigorous varieties. General weed control: Small actively growing weeds ideally between the 2 to 6 leaf stage free of any biotic or abiotic stresses.
Re-cropping interval	Not required when used as directed.
Withholding periods	Harvest: GRAPEVINES & HOPS: 30 days. BERRYFRUIT (raspberries and brambles): 21 days. POTATOES: 14 days. DO NOT spray on crops with exposed tubers. Grazing: Not required when used as directed. However, grazing too early after application may result in reduced weed control.

Telar®
HERBICIDE

Product Overview

For the control of broad leaf weeds in CleanCrop™ Brassica varieties including Kale, Rape, Turnips (leafy and bulb) and Swedes.

Active ingredient	750 g/kg chlorsulfuron
Mode of Action	**GROUP 2 HERBICIDE** Inhibitor of acetolactate synthase (ALS)
Formulation	Water Dispersible Granule (WG)
Pack sizes	20 g, 100 g
Registered crops	Cleancrop™ Brassica varieties only
Application rate	20 g/ha
Surfactant	Post-emergent applications only: add a non-ionic surfactant at the manufacturer's recommendations unless mixing with another product which contains surfactant.
Spray application	Ground application: Apply in minimum of 60 L/ha water through an accurately calibrated boom sprayer.
Application timing	Post plant but pre-emergent (PSPE) to the brassica crop or from the 4-leaf stage of the Brassica crop. DO NOT apply to emerging or cotyledon leaf stage Brassica crops. DO NOT apply after the 6 - 8 leaf crop stage.
Re-cropping interval	In the event of a crop failure DO NOT replant to any other crop other than Cleancrop™ Kale, Rape, Turnip (leafy and bulb) and Swede varieties or Wheat or Oats within 3 months of applying Telar® Herbicide. Following harvest of the Forage brassica crop, and at least 3 months after the Telar® Herbicide application, the paddock can be sown down into pasture or a cereal crop. DO NOT replant any other crop without first consulting the local FMC representative or PGGW Seeds representative.
Withholding periods	Grazing: DO NOT graze Leafy turnips or Rape for 28 days following application. DO NOT graze Bulb turnips or Swedes for 42 days following application. DO NOT graze Kale for 14 weeks following application.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Altacor®
INSECTICIDE

Product Overview

Altacor® is particularly active on Lepidopteran insect pests, primarily as a larvicide. For the control of leafroller caterpillars and codling moth in Apples, Pears and Nashi Pears. And for the control of leafroller caterpillars in Avocados.

Active ingredient	350 g/kg Chlorantraniliprole
Mode of Action	GROUP 28 INSECTICIDE Ryanodine receptor modulators
Formulation	Water dispersible granule (WG)
Pack sizes	180 g
Registered crops	Pome fruit including Apples, Nashi Pears, Pears, Avocados
Application rate	Dilute spraying 9g / 100 L
Surfactant	Non-ionic surfactant.
Spray application	Make no more than 2 applications per season.
Application timing	Apply when monitoring indicates thresholds are exceeded.
Withholding periods	Harvest: Apples, Avocados, Nashi Pears, Pears: DO NOT harvest for 14 days after application. Grazing: DO NOT feed treated produce to livestock to graze within treated orchards.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Avaunt® 30WG
INSECTICIDE

Product Overview

For the control of Codling moth and leafroller caterpillar in Apples and Pears. For the control of leafrollers in Grapes.

Active ingredient	300 g/kg Indoxacarb
Mode of Action	GROUP 22A INSECTICIDE Sodium channel blockers
Formulation	Water dispersible granule (WG)
Pack sizes	400 g
Registered crops	Apples, Pears, Grapes
Application rate	17-20 g/100L
Surfactant	Non-ionic surfactant
Spray application	Ensure thorough spray coverage.
Application timing	Apples, Pears: Apply at petal fall and repeat at 14 day intervals. Alternatively monitor insect populations as per IFP guidelines and apply Avaunt® 30WG insecticide when thresholds are exceeded. DO NOT apply more than four times in any one season. Grapes: Apply at 80% capfall, with a second application if required, up to pre- bunch closure. Allow a minimum interval of 14 days between applications.
Withholding periods	Apples, Pears, Grapes: DO NOT apply within 5 days of harvest.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Benevia®
INSECTICIDE

Product Overview

For the control of certain insect pests in Onions, Potatoes and Field Tomatoes.

Active ingredient	100 g/L Cyantraniliprole
Mode of Action	GROUP 28 INSECTICIDE Ryanodine receptor modulators
Formulation	Oil dispersion
Pack sizes	5 L
Registered crops	Potatoes, Field Tomatoes, Onions
Application rate	500 mL/ha
Surfactant	Non-ionic surfactant
Spray application	Ensure complete and thorough spray coverage. DO NOT apply more than 3 applications per crop per season.
Application timing	Regularly scout crops to monitor pest levels. Apply when pests reach threshold levels.
Withholding periods	Onions, Potatoes : DO NOT apply later than 14 days before harvest. Field Tomatoes : DO NOT apply later than 3 days before harvest. Grazing : DO NOT graze or feed treated produce to livestock.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Coragen®
INSECTICIDE

Product Overview

For the control of certain species of insect pests in a range of vegetable crops.

Active ingredient	200 g/L Chlorantraniliprole
Mode of Action	GROUP 28 INSECTICIDE Ryanodine receptor modulators
Formulation	Suspension Concentrate (SC)
Pack sizes	1 L
Registered crops	Vegetable brassicas including: Broccoli, Brussels sprouts, Cabbage, Cauliflower, Lettuce (leaf and closed head varieties), Leafy vegetables including – Silverbeet, Spinach and Asian vegetables including Pak choy and Wong bok, Potatoes.
Application rate	100 mL/ha
Surfactant	Non-ionic surfactant
Spray application	A maximum of three applications are to be made to any one crop with no more than two consecutive sprays
Application timing	Regularly scout crops to monitor for eggs and larvae. Target sprays against eggs and newly hatched larvae before they become entrenched.
Withholding periods	Harvest: Broccoli, Brussel Sprouts, Cabbage, Cauliflower: DO NOT harvest for 7 days after application. Lettuce, Silver Beet, Spinach and Asian vegetables: DO NOT harvest for three days after application. Potatoes: DO NOT harvest for 14 days after application. Grazing: DO NOT graze of feed treated produce to stock

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Exirel®
INSECTICIDE

Product Overview

For the control of certain insect pests in Fodder Brassicas.

Active ingredient	100 g/L Cyantraniliprole
Mode of Action	GROUP 28 INSECTICIDE Ryanodine receptor modulators
Formulation	Suspo-emulsion
Pack sizes	1 L, 5 L
Registered crops	Fodder Brassicas, Fodder Beets
Application rate	150 mL/ha
Surfactant	Non-ionic surfactant
Spray application	Ensure complete and thorough spray coverage. DO NOT apply more than three (3) applications to any one crop per season and no more than two consecutively. Further treatments should be made with alternative mode of action insecticides. Boom spray or aerial application.
Application timing	Regularly scout crops to monitor for eggs and larvae. Apply when insects or damage first appear and before a build-up of pest numbers. Repeat at 2 - 3 week intervals as required by pest activity.
Withholding periods	Fodder Brassicas: DO NOT graze or feed treated produce to livestock within 14 days of application.
	Fodder Beets: DO NOT graze or feed treated produce to livestock within 28 days of application.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Fyfanon® 440 EW

INSECTICIDE

Product Overview

Broad-spectrum organophosphate insecticide to control many insect pests in horticultural and agricultural crops.

Active ingredient	440g/L Malathion
Mode of Action	**GROUP 1B INSECTICIDE** Acetylcholinesterase inhibitors
Formulation	Water emulsion (EW)
Pack sizes	10 L
Registered crops	Avocados, Grapes, Citrus, Pipfruit, Stonefruit and Vegetables
Application rate	230 to 340 mL/100 L
Surfactant	Not required
Spray application	Apply using well maintained and accurately calibrated spray equipment.
Application timing	Apply when thresholds are exceeded.
Withholding periods	Fruit, Vegetables Sweet corn - 3 days.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Steward® eVo
INSECTICIDE

Product Overview

Steward® eVo Insecticide is a highly effective insecticide for Brassica Vegetables, including Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Head Lettuce (field).

Active ingredient	150 g/L Indoxacarb
Mode of Action	GROUP 22A INSECTICIDE Sodium channel blockers
Formulation	Emulsifiable Concentrate (EC)
Pack sizes	1 L, 5 L
Registered crops	Cabbage, Cauliflower, Broccoli, Brussel Sprouts, Head lettuce (outdoors)
Application rate	500 mL/ha
Surfactant	Not required
Spray application	Use enough water to ensure thorough coverage of the crop. Adjust water volume to crop stage (200 – 800 L/ha).
Application timing	Apply at first sign of insect presence and repeat at 7 – 14 day intervals. Alternatively monitor insect populations and apply when economic thresholds are reached. DO NOT apply more than 2 sequential applications, and/or more than 4 applications per crop.
Withholding periods	Vegetable Brassicas and Head Lettuce (outdoors) : DO NOT apply within 3 days of harvest.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Product Overview

For Psyllid control in Potatoes and Tomatoes.

Active ingredient	2.5 g/L Acrinathrin plus 12.6 g/L Abamectin
Mode of Action	**GROUP 3 INSECTICIDE** **GROUP 6 INSECTICIDE**
Formulation	Oil in water emulsion
Pack sizes	5 L
Registered crops	Potatoes, Tomatoes
Application rate	850 mL/ha
Surfactant	Always add either a non-ionic surfactant or a crop oil concentrate adjuvant at label rates.
Spray application	Apply using well maintained and accurately calibrated spray equipment.
Application timing	Apply at first sign of psyllid then at 7 to 14 day intervals. Use the shorter interval under high pest pressure. Apply two to four consecutive applications and follow with an alternative mode of action insecticide. Use a maximum of four applications in a single season.
Withholding periods	Tomatoes : DO NOT apply within 3 days of harvest. Potatoes : DO NOT apply within 7 days of harvest.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Octave® WP

FUNGICIDE

Product Overview

Octave® is a DMI fungicide which may be applied as a spray treatment to Ornamentals and Stone fruit, as a dip treatment to Ornamentals and a drench treatment in Mushrooms.

Active ingredient	462 g/kg Prochloraz
Mode of Action	**GROUP 3 FUNGICIDE** Demethylation inhibitors (DMI)
Formulation	Wettable powder (WP)
Pack sizes	1 Kg
Registered crops	Mushrooms, Ornamentals, Stone fruit
Application rate	Mushrooms : 3 g/ m^2 in 1 L of water as a drench treatment. Ornamentals : 100 g/ 100 L in sufficient water to obtain thorough spray coverage. 100 g/ 100 L as a dip. Stone fruit : 25 g/ 100 L.
Surfactant	Not required
Spray application	Thoroughly premix the required amount with a little water to form a slurry. Add water whilst agitating. For spray treatments maintain agitation while mixing and applying. Also agitate thoroughly after a stoppage before recommencing spraying. Use immediately after mixing.
Application timing	Mushrooms : Apply 7 - 9 days after casing. Ornamentals : Apply at first signs of infection and repeat at 14 day intervals. Stone fruit : Apply at pink and repeat at 7 - 10 day intervals until petal fall. Shorter intervals may be required in wet weather. Use in mixture with non-DMI fungicides and apply no more than three treatments per season.
Withholding periods	Mushrooms : DO NOT harvest for 10 days after application. Stone fruit : DO NOT apply after petal fall.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Product Overview

For the control of certain diseases in Grapes, Berry fruit, Kiwifruit, Stone fruit, Flower crops, Ornamentals and Fine turf.

Active ingredient	500 g/L Iprodione
Mode of Action	GROUP 2 FUNGICIDE Dicarboximide
Formulation	Suspension concentrate (SC)
Pack sizes	5 L, 20 L
Registered crops	Grapes, Stone fruit, Kiwi fruit, Berry fruit, Ornamentals and Fine turf
Application rate	75 – 100 mL/100 L
Surfactant	The addition of a non-ionic wetter at recommended rates will improve coverage of flowers in Berry fruits.
Spray application	Rates recommended are for high volume spraying to the point of run-off. Rate /100 L should be increased for concentrate spraying. Apply as a foliar spray, post-harvest dip or a seed treatment in specific crop types.
Application timing	Grapes : Apply once or twice in the period from veraison to harvest. Stone fruit : Apply 2-3 sprays at 7 - 10 day intervals (more frequently following heavy rainfall) in the four week period prior to harvest. Kiwi fruit : Sclerotinia control: Apply at flowering and again in January if required. Botrytis control: To reduce losses from Botrytis storage rot, apply one day before harvest. Berry fruit : Apply in a programme with alternative products on a 7 - 10 day schedule from the start of flowering. Reserve use for when infection pressures are high, particularly in the preharvest period. Flower & Ornamentals : Use at 10 - 14 day intervals particularly during periods of high disease pressure. Fine turf: Apply at 14 - 21 day intervals from the first sign of infection or when conditions favour infection. Use the high rate when disease conditions are severe. Use in an alternating programme with non-dicarboximide fungicides.
Withholding periods	Grapes : DO NOT harvest for 1 day after application. Stone fruit : DO NOT harvest for 1 day after application. Kiwi fruit : DO NOT harvest for 1 day after application. Berry fruit : DO NOT harvest for 1 day after application.

Rovral® WP

FUNGICIDE

Product Overview

Rovral® WP is an excellent base fungicide to control many different diseases in Grapes, Stone fruit, Kiwi fruit, Berry fruit, Glasshouse tomatoes, Ornamentals and as a seed treatment for the control of white rot in Onions and Rhizoctonia and Alternaria in Brassicas.

Active ingredient	500 g/kg Iprodione
Mode of Action	GROUP 2 FUNGICIDE Dicarboximide
Formulation	Wettable powder (WP)
Pack sizes	15 Kg
Registered crops	Grapes, Stone fruit, Kiwi fruit, Berry fruit, Glasshouse tomatoes, Onions, Brassicas, Flowers and Ornamentals
Application rate	Foliar : 75 - 150 g* / 100L. Post-harvest dip : Stone fruit 100 g/100L. Seed treatments : Onions : 250g/kg seed. Brassicas : 5 g/kg seed.
Surfactant	The addition of a non-ionic wetter at recommended rates will improve coverage of flowers in Berryfruits.
Spray application	See Application timing.
Application timing	Grapes : Apply once or twice in the period from veraison to harvest. Stone fruit : Apply 2-3 sprays at 7 - 10 day intervals (more frequently following heavy rainfall) in the four week period prior to harvest. Kiwi fruit : Sclerotinia control: Apply at flowering and again in January if required. Botrytis control: To reduce losses from Botrytis storage rot, apply one day before harvest. Berry fruit : Apply in a programme with alternative products on a 7 - 10 day schedule from the start of flowering. Reserve use for when infection pressures are high, particularly in the preharvest period. Glasshouse tomatoes : Use in a programme with alternative products at 10 - 14 day intervals as an overall spray (or direct to the flowers in fruit setting hormone). Commence application when the second truss is in flower. Ornamentals : Use at 10 - 14 day intervals particularly during periods of high disease pressure. Rovral® WP is selective to a broad range of Flower and Ornamental crops. If unsure about selectivity check by spraying 1 - 2 plants prior to general use.
Withholding periods	Grapes : DO NOT harvest for 1 day after application. Stone fruit : DO NOT harvest for 1 day after application. Kiwi fruit : DO NOT harvest for 1 day after application. Berry fruit : DO NOT harvest for 1 day after application. ** DO NOT use on Rabbiteye blueberry cvrs. Glass house tomatoes : DO NOT harvest for 3 days after application.

Sportak®
FUNGICIDE

Product Overview

Fungicide for disease control in Barley, Wheat, Ornamentals, Radiata and a key anthracnose product to achieve better quality fruit in Avocados.

Active ingredient	450 g/L Prochloraz
Mode of Action	GROUP 3 FUNGICIDE Demethylation inhibitor (DMI)
Formulation	Emulsion in water (EW)
Pack sizes	5 L
Registered crops	Avocados, Barley, Wheat, Ornamentals and Radiata pine seedlings.
Application rate	Avocados : Post-harvest dip: 110 mL/200 L of water Post-harvest spray: 55 mL/100 L of water Barley, Wheat : 1 L/ha Ornamentals : 100 ml/100 L Radiata pine seedlings : 1.5L/ha.
Surfactant	1 L/ha
Spray application	Avocados : Immerse fruit for 30 seconds. Treat no more than 2 tonnes of fruit (approx 400 packed trays) per 200 L dip solution. Barley, Wheat : Ground rig. Ornamentals : Apply at first signs of infection and repeat at 14 day intervals. As a dip, immerse whole plants in dip treatment prior to shipping. Radiata Pine seedlings : Apply as a protectant spray at 7 - 14 day intervals. Use the shorter spray interval under severe infection pressure
Application timing	Avocados : Post harvest. Barley, Wheat : Dependent on disease type and pressure. Application can be made from first true leaf and tillering through to flag leaf and ear emergence.
Withholding periods	Wheat, Barley : DO NOT harvest for 42 days after application

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

Notes

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For further information please visit ag.fmc.com/nz or contact your local FMC representative here:

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