



An Agricultural  
Sciences Company



## 2025 Broadacre Portfolio Guide

Advancing Chemistry to Advance Australian Agriculture **Product**  
**Overview**

# 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 rooted 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 are guided by our 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 here in Australia. Our Wyong NSW 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/au](https://ag.fmc.com/au)

Any product referred to in this brochure must be used strictly as directed, and in accordance with all instructions on the label for that product and in other applicable reference material. So far as it is lawfully able to do so, FMC Australasia Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions. This brochure is not a suitable replacement for full label information. Always refer to product label before applying any FMC product.

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# Affinity<sup>®</sup> Force

HERBICIDE

## Product Overview

Affinity<sup>®</sup> Force Herbicide is an early post-emergence herbicide for the control of certain broadleaf weeds in Winter cereals and Pyrethrum, and sedge weeds in Rice.

<b>Active ingredient</b>	240 g/L carfentrazone-ethyl			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>14</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of protoporphyrinogen oxidase (PPO)	<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Emulsion, Oil-in-Water (EW)			
<b>Pack sizes</b>	5 L			
<b>Registered crops</b>	Wheat, Barley, Oats, Triticale, Pyrethrum, Rice			
<b>Application rate</b>	Winter cereals: 65 mL - 100 mL/ha + MCPA Amine Pyrethrum: 100 mL/ha Rice: 630 mL/ha + Londax <sup>*</sup> DF			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Winter cereals & Pyrethrum: Applied in a minimum of 100 L/ha water through an accurately calibrated boom sprayer. Rice: Can be applied to permanent flood water by drip application (SCWIIIRT method) in a total spray volume of 7 to 10 L/ha; by Fixed wing aircraft (Bickley boom only) in a minimum spray volume of 10 L/ha or by boom spray application by ground rig in a minimum total spray volume of 20 L/ha.			
<b>Application timing</b>	Apply as a post-emergence treatment to small actively growing weeds free of any biotic or abiotic stresses.			
<b>Re-cropping interval</b>	Contact your local FMC representative for the latest advice.			
<b>Withholding periods</b>	Harvest: Rice: Not required when used as directed Other crops: Not required when used as directed Grazing: Rice: DO NOT graze or cut for stock food for 3 months after application. Other crops: DO NOT allow stock to graze treated areas for 14 days after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



Aptitude® Herbicide is an early post-emergence herbicide for the control of certain broadleaf weeds in Wheat, Barley, Oats and Triticale.

<b>Active ingredient</b>	90 g/kg carfentrazone-ethyl 375 g/kg metribuzin						
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>14</b></td><td><b>HERBICIDE</b></td></tr><tr><td><b>GROUP</b></td><td><b>5</b></td><td><b>HERBICIDE</b></td></tr></table> <p>Combines an inhibitor of protoporphyrinogen oxidase (PPO inhibitors) with an inhibitor of photosynthesis at photosystem II (PSII inhibitors).</p>	<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>	<b>GROUP</b>	<b>5</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>					
<b>GROUP</b>	<b>5</b>	<b>HERBICIDE</b>					
<b>Formulation</b>	Water Dispersible Granule (WG)						
<b>Pack sizes</b>	5 kg (pail)						
<b>Registered crops</b>	Wheat, Barley, Oats and Triticale						
<b>Application rate</b>	200 g/ha						
<b>Surfactant</b>	DO NOT add wetters, spray oils or oil/surfactant adjuvants to Aptitude® Herbicide. The addition of wetters, oils and oil/surfactant blends will greatly increase crop injury without any significant improvement in weed control.						
<b>Spray application</b>	Winter cereals: Applied in a minimum of 100 L/ha water through an accurately calibrated boom sprayer delivering a COARSE spray quality. Where environmental conditions are less than ideal for effective weed control or where some weeds may be larger, it is recommended to tank mix Aptitude® Herbicide with 330 mL/ha of a 750 g/L MCPA Amine formulation. DO NOT tank mix with selective grass herbicides.						
<b>Application timing</b>	Apply as a post-emergence treatment when weeds are typically less than the 6 leaf stage and actively growing. Ideally crops should be at the 3 leaf to early/mid tillering stage (Zadoks code 13 to 25).						
<b>Re-cropping interval</b>	Aptitude® Herbicide does not provide residual activity, therefore no crop rotational restrictions apply.						
<b>Withholding periods</b>	Harvest: Not required when used as directed. Grazing: DO NOT graze or cut for stock food for 14 days after application.						

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

A selective foliar herbicide for the post-emergence control of barnyard grasses (*Echinochloa* spp.) and silvertop grass (*Leptochloa fusca*) in Rice.

<b>Active ingredient</b>	200 g/L profoxydim			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>1</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of acetyl CoA carboxylase (ACCCase)	<b>GROUP</b>	<b>1</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>1</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	5 L			
<b>Registered crops</b>	Rice			
<b>Application rate</b>	375 mL/ha			
<b>Surfactant</b>	Supercharge (or equivalent spray oil) at 1 L/100 L spray volume			
<b>Spray application</b>	Ground application: Applied in a minimum of 100 L/ha water through an accurately calibrated boom sprayer. Aerial application: Applied a minimum of 40 L/ha water through a fixed wing aircraft.			
<b>Application timing</b>	Apply to weeds between the 2 leaf to 6 tiller stage of growth (typically 20 to 45 days after sowing). DO NOT apply to crops prior to the 3 leaf stage.			
<b>Re-cropping interval</b>	Contact your local FMC representative for the latest advice.			
<b>Withholding periods</b>	Harvest: Not required when used as directed. Grazing: DO NOT graze or cut for stock food for 28 days after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# Basagran<sup>\*</sup> M60

HERBICIDE

## Product Overview

A selective post-emergent herbicide for the control of certain broadleaf weeds in Rice.

<b>Active ingredient</b>	400 g/L bentazone (present as sodium salt). 60 g/L MCPA (present as the potassium salt).						
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>6</b></td><td><b>HERBICIDE</b></td></tr><tr><td><b>GROUP</b></td><td><b>4</b></td><td><b>HERBICIDE</b></td></tr></table> <p>Combines an inhibitor of photosynthesis at photosystem II with a disruptor of plant cell growth (an auxin mimic).</p>	<b>GROUP</b>	<b>6</b>	<b>HERBICIDE</b>	<b>GROUP</b>	<b>4</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>6</b>	<b>HERBICIDE</b>					
<b>GROUP</b>	<b>4</b>	<b>HERBICIDE</b>					
<b>Formulation</b>	Soluble Concentrate (SL)						
<b>Pack sizes</b>	20 L						
<b>Registered crops</b>	Rice						
<b>Application rate</b>	2.0 L - 2.5 L/ha						
<b>Surfactant</b>	Not required						
<b>Spray application</b>	Ground Application: Apply by vehicle mounted boom calibrated to deliver a minimum 100 L/ha. Aerial Application: Apply by fixed wing aircraft calibrated to deliver a minimum volume of 40 L/ha.						
<b>Application timing</b>	Apply when weeds have 4 to 6 leaves (typically 20 to 35 days after sowing, depending on temperatures).						
<b>Re-cropping interval</b>	Contact your local FMC representative for the latest advice.						
<b>Withholding periods</b>	Harvest: Not required when used as directed. Grazing : DO NOT graze or cut for stock food for 7 weeks after application.						

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

For the control of a wide range of broadleaf weeds in fallow, Lucerne, Maize, Millets, Pastures, Poppies, Sorghum, Sugarcane, Sweetcorn and Winter cereals. Also for the control of woody weeds in agricultural non-crop areas, commercial and industrial areas, forests, pastures and rights-of-way.

<b>Active ingredient</b>	400 g/L fluroxypyr present as the methylheptyl ester.			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>4</b></td><td><b>HERBICIDE</b></td></tr></table> A disruptor of plant cell growth (an auxin mimic)	<b>GROUP</b>	<b>4</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>4</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	20 L, 110 L and 1000 L			
<b>Registered crops</b>	Sorghum, Maize, Sweet corn, Millet, Wheat, Barley, Oats, Triticale, Grass pastures, Fallow, Sugar cane, Lucerne, Poppies.			
<b>Application rate</b>	Weed, growth stage, application method and situation dependent. Refer to the product label.			
<b>Surfactant</b>	Weed, growth stage, application method and situation dependent. Refer to the product label.			
<b>Spray application</b>	By air, by an accurately calibrated ground sprayer or by hand.			
<b>Application timing</b>	Weed, growth stage and application method dependent.			
<b>Re-cropping interval</b>	7 days to 28 days (crop and rate dependent).			
<b>Withholding periods</b>	Harvest: DO NOT spray poppies later than 10 weeks before harvest. For other crops a WHP is not required when used as directed. Grazing: DO NOT graze failed crops and treated pastures or cut for stock food for 7 days after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**

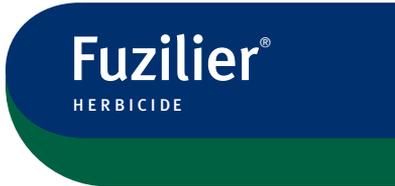


## Product Overview

A foliar herbicide for the selective post emergence control of wild oats and annual phalaris in Wheat, Barley, Triticale and Cereal rye crops.

<b>Active ingredient</b>	69 g/L fenoxaprop-p-ethyl; 34.5 g/L cloquintocet-mexyl			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>1</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of acetyl CoA carboxylase (ACCCase)	<b>GROUP</b>	<b>1</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>1</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	10 L			
<b>Registered crops</b>	Barley, Wheat, Triticale and Cereal rye			
<b>Application rate</b>	475 mL - 800 mL/ha (weed and growth stage dependent). Refer to the product label.			
<b>Surfactant</b>	Not required.			
<b>Spray application</b>	Ground application: Applied in a minimum of 50 - 100 L/ha water through an accurately calibrated conventional boom sprayer. Aircraft: Applied in a minimum of 30 L/ ha water through accurately calibrated spray equipment. Aim for a droplet size of 200 to 300 microns.			
<b>Application timing</b>	Weed and growth stage dependent. Refer to the product label.			
<b>Re-cropping interval</b>	DO NOT plant susceptible crops (e.g. Corn, Sorghum, Oats or Barley) for 3 weeks after application.			
<b>Withholding periods</b>	Harvest: DO NOT harvest for 10 weeks after application. Grazing: DO NOT graze or cut for stock food for 3 weeks after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

A post-emergence herbicide for the control of certain grasses in a range of broadleaf crops.

<b>Active ingredient</b>	212 g/L fluazifop-P present as the butyl ester			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>1</b></td><td><b>HERBICIDE</b></td></tr></table> <p>An inhibitor of acetyl CoA carboxylase (ACCase)</p>	<b>GROUP</b>	<b>1</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>1</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	5 L			
<b>Registered crops</b>	Canola, Linseed, Chickpeas, Field peas, Faba beans, Lupins, Vetch, Forage crops, Legume pastures and seed crops, Cotton, Lucerne, Soybean, Sunflowers, Pidgeon peas and Oilseed poppies			
<b>Application rate</b>	250 mL/ha – 4 L/ha (crop, weed and weed growth stage dependant). Refer to product label.			
<b>Surfactant</b>	Adjuvants are essential. Refer to label.			
<b>Spray application</b>	Water volumes per hectare will depend on nozzle selection and should be in the range of 50 L to 100 L/ha for boom spraying of broadacre crops. Use a higher volume of spray to achieve full coverage of dense, vigorous weed infestations. Also registered for aerial application and spot and band spraying. Refer to label. DO NOT spray if any stress conditions are evident just prior to application.			
<b>Application timing</b>	To obtain the maximum benefits, weeds should be sprayed when young and actively growing. Grasses establishing from seed should be sprayed before tillering occurs. Use the higher label rate in dense weed populations or under less than ideal weather conditions.			
<b>Re-cropping interval</b>	DO NOT plant susceptible crops (e.g. cereal crops) for 12 weeks after application			
<b>Withholding periods</b>	Harvest: Faba beans: DO NOT harvest for 5 weeks after application. Chickpeas, Field peas: DO NOT harvest for 7 weeks after application. Oilseed poppies: DO NOT harvest for 12 weeks after application. Cotton, Sunflowers: DO NOT harvest for 14 weeks after application. Lupins, Canola, Soybeans, Pigeon peas, Linseed: DO NOT harvest for 17 weeks after application. Grazing: Forage crops, Pulses (Chickpeas, Faba beans, Field peas, Lupins, Pigeon peas, Soybeans), Seed crops: DO NOT graze or cut for stock food for 7 weeks after application or remove stock from treated area 7 days before slaughter, whichever is appropriate. Canola, Clover, Linseed, Medics, Vetches: DO NOT graze or cut for stock food for 21 days after application or remove stock from treated area 7 days before slaughter, whichever is appropriate. Lucerne: DO NOT graze or cut for stock food for 6 weeks after application or remove stock from treated area 7 days before slaughter, whichever is appropriate. Sunflowers: DO NOT graze or cut for stock food for 14 weeks after treatment or remove stock from treated area 7 days before slaughter, whichever is appropriate.			



## Product Overview

A long-lasting residual herbicide for the control of brighalow regrowth, tea tree regrowth, Mimosa pigra and certain problem woody weeds on grazing lands in NSW, QLD, NT and WA only.

<b>Active ingredient</b>	200 g/Kg tebuthiuron			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>5</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of photo-synthesis at photosystem II (PSII)	<b>GROUP</b>	<b>5</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>5</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Pellet			
<b>Pack sizes</b>	20 Kg			
<b>Registered crops</b>	Grazing land			
<b>Application rate</b>	Weed species and soil type dependent. Refer to the product label.			
<b>Surfactant</b>	Not required.			
<b>Spray application</b>	By hand using a dispenser or, by air or ground using accredited operators. Approved application method varies by state.			
<b>Application timing</b>	Weed species and soil type dependent.			
<b>Re-cropping interval</b>	Five years for field crops.			
<b>Withholding periods</b>	Not required when used as directed.			

In QLD and the NT Graslan® Herbicide is also available in a higher loaded formulation containing 300 g/kg tebuthiuron as Graslan® Aerial 3D HiLoad, and is available in 20 Kg, 500 Kg and 1000 Kg pack sizes for application by accredited operators.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# HAMMER<sup>®</sup>

400EC HERBICIDE

## Product Overview

Hammer<sup>®</sup> 400EC is a post-emergence herbicide to be added to knockdown herbicides to improve the control of certain broadleaf weeds including marshmallow prior to the establishment of fallows, the planting of broadacre crops, marshmallow control in grass pastures and in non-crop situations. Hammer<sup>®</sup> 400EC can also be used standalone with a suitable adjuvant for the control of volunteer Cotton seedlings including Roundup Ready\* Cotton and for the desiccation of Cotton regrowth.

<b>Active ingredient</b>	400 g/L carfentrazone-ethyl			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>14</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of protoporphyrinogen oxidase (PPO)	<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>14</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	1 L and 5 L			
<b>Registered crops</b>	Prior to sowing winter and summer broadacre crops; Starting a fallow; Prior to the establishment of forestry plantations; To assist in weed control in non-crop situations; Grass Pastures; Desiccation of Cotton Regrowth.			
<b>Application rate</b>	15 mL/ha - 60 mL/ha (dependent on crop and crop situation). Refer to the product label.			
<b>Surfactant</b>	Prior to sowing broadacre crops: Addition of standard rates of a non-ionic surfactant may improve weed control. Desiccation of cotton regrowth: Crop oil concentrates or blended oil/surfactant adjuvants such as 0.5% Hasten* or Supercharge* may result in a greater reduction of green shoot.			
<b>Spray application</b>	Ground application: Applied in a minimum of 50 - 150 L/ha water through an accurately calibrated conventional boom sprayer. Aircraft (cotton desiccation only): Applied in a minimum of 30 L/ha water through accurately calibrated spray equipment.			
<b>Application timing</b>	Small actively growing weeds ideally between the 2 to 6 leaf stage free of any biotic or abiotic stresses.			
<b>Re-cropping interval</b>	As Hammer <sup>®</sup> is not a residual herbicide, no re-cropping intervals apply. However, re-cropping intervals specified for tank-mix partners must be observed. DO NOT sow crops for at least 1 hour after application.			
<b>Withholding periods</b>	Harvest: DO NOT harvest cotton for processing prior to 1 day after application. Grazing: DO NOT graze treated areas or feed cotton/cotton trash to livestock. ALL OTHER SITUATIONS: Not required when used as directed.			



# Magister® Command® 480EC

HERBICIDE

## Product Overview

Magister® Command® 480 EC Herbicide is primarily a soil applied herbicide for the control of certain annual weeds in Cucurbits, Green Beans, Navy beans, Potatoes, Poppies and Tobacco, and for the control of certain annual grasses in Rice.

<b>Active ingredient</b>	480 g/L clomazone			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>13</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of carotenoid biosynthesis (DOXP inhibitor)	<b>GROUP</b>	<b>13</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>13</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	5 L			
<b>Registered crops</b>	Cucumber, Pumpkins, Kabocha squash, Rockmelons, Watermelon, Zucchini, Green beans (French beans), Navy Bean, Poppies, Potatoes, Tobacco and Rice.			
<b>Application rate</b>	0.25 L – 2 L/ha (varies by crop, weed species, growth stage and application timing). Refer to the product label.			
<b>Surfactant</b>	Not required.			
<b>Spray application</b>	Aircraft or ground application (dependent on crop, crop situation and application timing). Refer to the product label.			
<b>Application timing</b>	Post-plant pre-emergence (PSPE), and post-emergence (crop specific).			
<b>Re-cropping interval</b>	0 months – 15 months (dependent on rate and following crop).			
<b>Withholding periods</b>	Harvest: Rice: Not required when used as directed All other crops: Not required when used as directed. Grazing: Rice: DO NOT graze or cut for stock food for 3 months after application. All other crops: DO NOT graze or cut for stock food until after harvest.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



**Overwatch**<sup>®</sup>  
HERBICIDE

powered by ISOFLEX™ active

## Product Overview

Overwatch<sup>®</sup> Herbicide is a soil applied, pre-emergence herbicide for the control of annual ryegrass (including herbicide resistant biotypes) and regionally specific broadleaf weeds in certain winter grain crops.

<b>Active ingredient</b>	400 g/L bixlozone			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>13</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of carotenoid biosynthesis (DOXP inhibitor)	<b>GROUP</b>	<b>13</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>13</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Suspension Concentrate (SC)			
<b>Pack sizes</b>	20 L, 110 L and 1000 L			
<b>Registered crops</b>	Wheat, Barley, Canola, Field peas and Faba beans			
<b>Application rate</b>	1.25 L/ha			
<b>Surfactant</b>	Not required.			
<b>Spray application</b>	Ground application: Applied in at least 80 L/ha water as a minimum coarse quality spray through an accurately calibrated standard boom sprayer fitted with by-pass or mechanical agitation.			
<b>Application timing</b>	Only apply prior to sowing at a minimum depth of 1.5 cm (Canola), and of 3 cm (all other crops) below the soil surface. Sowing with knife points and press wheels is regarded as the safest sowing configuration when using Overwatch <sup>®</sup> Herbicide.			
<b>Re-cropping interval</b>	Wheat, Barley, Canola, Field peas and Faba beans: 0 Days Chickpea, Oats, Sub clover, Clover, Medic: 9 Months All other crops: Seek advice from FMC. <b>See label for other factors influencing re-cropping intervals (e.g. interim rainfall).</b>			
<b>Withholding periods</b>	Harvest: Not required when used as directed. Grazing / stockfood: DO NOT harvest, graze or cut for stock food or for seed for 8 weeks after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



**Overwatch<sup>®</sup> eXL**  
GRANULES



powered by ISOFLEX<sup>™</sup> active

## Product Overview

Overwatch<sup>®</sup> eXL Granules provides long-lasting, pre-emergent control of Annual ryegrass (including herbicide-resistant biotypes) as well as several regionally specific broadleaf weeds in Wheat (including Durum), Barley, Canola, Faba beans and Field peas.

<b>Active ingredient</b>	750 g/kg Bixlozone			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>13</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of carotenoid biosynthesis (DOXP inhibitor)	<b>GROUP</b>	<b>13</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>13</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Water-Dispersible Granule (WG)			
<b>Pack sizes</b>	20 kg			
<b>Registered crops</b>	Wheat, Barley, Canola, Field peas and Faba beans			
<b>Application rate</b>	670 g/ha			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Ground application: Applied in at least 80 L/ha water as a minimum coarse quality spray through an accurately calibrated standard boom sprayer fitted with by-pass or mechanical agitation			
<b>Application timing</b>	Only apply prior to sowing at a minimum depth of 1.5 cm (Canola), and of 3 cm (all other crops) below the soil surface. Sowing with knife points and press wheels is regarded as the safest sowing configuration when using Overwatch <sup>®</sup> eXL Granules.			
<b>Re-cropping interval</b>	Wheat, Barley, Canola, Field peas and Faba beans: 0 Days Chickpea, Oats, Sub clover, Clover, Medic: 9 Months All other crops: Seek advice from FMC. <b>See label for other factors influencing re-cropping intervals (e.g. interim rainfall).</b>			
<b>Withholding periods</b>	Harvest: Not required when used as directed. Grazing / stockfood: DO NOT harvest, graze or cut for stock food or for seed for 8 weeks after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

For selective control of certain grasses and broad leaf weeds in Canola, Mustard, Winter grain legumes, Legume seed crops, Legume seed pastures and Oilseed Poppies. Also for the control of Annual ryegrass in Pyrethrum crops.

<b>Active ingredient</b>	500 g/L propyzamide			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>3</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of microtubule assembly	<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Suspension Concentrate (SC)			
<b>Pack sizes</b>	20 L, 110 L and 1000 L			
<b>Registered crops</b>	Canola, Mustard, Chickpeas, Faba beans, Field peas, Lentils, Lupins, Legume pastures (including Lucerne, Clover, Medics), Oilseed Poppies and Pyrethrum.			
<b>Application rate</b>	1 L – 4.5 L/ ha (crop dependent). Refer to product label.			
<b>Surfactant</b>	Not required.			
<b>Spray application</b>	Ground application: Applied in at least 80 L/ha water as a minimum coarse quality spray through an accurately calibrated standard boom sprayer fitted with by-pass or mechanical agitation.			
<b>Application timing</b>	Crop dependent. Winter grain crops: Applied pre-plant and incorporate by sowing (IBS).			
<b>Re-cropping interval</b>	Cereals (e.g. Wheat, Barley, Oats and Triticale): Nine months and a minimum of 250 mm rainfall. All other crops: Seek advice from FMC.			
<b>Withholding periods</b>	Harvest: Canola, Mustard and Winter Grain legumes: Not required when used as directed. Poppies: Not required when used as directed. All other crops: Do not harvest for seed for 25 days after application. Grazing: Canola, Mustard and Winter Grain legumes: DO NOT graze or cut for stock food for 12 weeks after application. Poppies: DO NOT graze treated crops or cut for stock food. Pyrethrum: DO NOT graze or cut treated area for stock food for 25 days after application. All other crops: DO NOT graze or cut for stock food for 25 days after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

For the selective pre-emergent control of annual ryegrass and other grasses in Canola, Winter Grain Legumes, Legume Seed Crops and Legume Seed Pastures and Oilseed Poppies.

<b>Active ingredient</b>	900 g/L Propyzamide			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>3</b></td><td><b>HERBICIDE</b></td></tr></table> (Inhibitor of microtubule assembly)	<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>3</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Water-Dispersible Granule (WG)			
<b>Pack sizes</b>	15 kg			
<b>Registered crops</b>	Canola, Chickpeas, Faba beans, Field Peas, Lentils, Lupins, Lucerne, Clover, Medics and Oilseed Poppies.			
<b>Application rate</b>	0.56 – 1.11 kg/ha (crop dependent). Refer to product label.			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Ground application: Applied in at least 80 L/ha water as a minimum coarse quality spray through an accurately calibrated standard boom sprayer fitted with by-pass or mechanical agitation.			
<b>Application timing</b>	Crop dependent. Winter grain crops: Incorporate by sowing (IBS) when weeds are at the pre-emergent stage.			
<b>Re-cropping interval</b>	Cereals (e.g. Wheat, Barley, Oats and Triticale): 9 months and a minimum of 250 mm rainfall. All other crops: Seek advice from FMC.			
<b>Withholding periods</b>	Harvest: Canola, Poppies, Winter grain legumes: Not required when used as directed. All other crops: Do not harvest for seed for 25 days after application. Grazing: Canola: DO NOT graze or cut for stock food for 12 weeks after application. Poppies: DO NOT graze treated poppy crops or cut for stock food. Winter Grain Legumes: DO NOT graze or cut treated area for stock food for 12 weeks after application. All other crops: DO NOT graze or cut for stock food for 25 days after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

For the control of certain grass and broadleaved weeds in CleanCrop™ Forage Brassica crops only as per the Directions for Use table.

<b>Active ingredient</b>	750 g/Kg chlorsulfuron-methyl			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>2</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of acetolactate synthase (ALS)	<b>GROUP</b>	<b>2</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>2</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Water-dispersible Granule (WG)			
<b>Pack sizes</b>	Only available in the Cleancrop® Forage Brassica system			
<b>Registered crops</b>	CleanCrop™ varieties of Forage Brassica.			
<b>Application rate</b>	20 g/ha			
<b>Surfactant</b>	Non-ionic surfactant at 100 mL / 100 L water (post emergent application only)			
<b>Spray application</b>	Ground application: Applied in at least 80 L/ha water as a minimum coarse quality spray through an accurately calibrated standard boom sprayer fitted with by-pass or mechanical agitation.			
<b>Application timing</b>	Applied pre-emergence, either incorporated by sowing (IBS) or as a post-sowing pre-emergent application within 2 days of sowing. Telar® Herbicide can also be used as a post-emergent spray once the Cleancrop™ Forage Brassica crop has reached the four-leaf growth stage.			
<b>Re-cropping interval</b>	Minimum re-cropping intervals vary dependent of soil pH and rainfall. For crops not listed on the product label seek advice from an FMC or DLF Seeds representative.			
<b>Withholding periods</b>	Grazing: CleanCrop™ Forage Brassicas: DO NOT graze or cut for stock food for 14 days after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

A foliar post emergence herbicide for the control of certain broadleaf weeds in fallow and pre-crop situations.

<b>Active ingredient</b>	750 g/Kg tribenuron-methyl			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>2</b></td><td><b>HERBICIDE</b></td></tr></table> Inhibitor of acetolactate synthase (ALS)	<b>GROUP</b>	<b>2</b>	<b>HERBICIDE</b>
<b>GROUP</b>	<b>2</b>	<b>HERBICIDE</b>		
<b>Formulation</b>	Water-Dispersible Granule (WG)			
<b>Pack sizes</b>	1 kg			
<b>Registered crops</b>	Fallow, Pre-crop. Refer to the product label.			
<b>Application rate</b>	15 g - 30 g/ha (Target weed dependent). Refer to the product label.			
<b>Surfactant</b>	Always add non-ionic surfactant at 100 mL/100 L of final spray volume.			
<b>Spray application</b>	Ground application: Applied in a minimum of 50 L/ha water through an accurately calibrated boom sprayer. Aircraft application: Applied in a minimum of 20 L/ ha water through accurately calibrated spray equipment.			
<b>Application timing</b>	Apply to small actively growing weeds free of any biotic or abiotic stresses.			
<b>Re-cropping interval</b>	Barley, Oats, Wheat: 3 Days. Maize, Mungbeans, Sorghum, Soybeans, Sunflowers: 7 to 21 days (soil moisture and soil temperature dependent). Refer to the product label.			
<b>Withholding periods</b>	Not required when used as directed.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# Aria® 500 WG Broadacre

INSECTICIDE

## Product Overview

Aria® 500 WG Broadacre Insecticide offers control of aphids in Canola and Cotton and green mirid in Cotton.

<b>Active ingredient</b>	Flonicamid 500g/kg
<b>Mode of Action</b>	<b>GROUP 29 INSECTICIDE</b>
<b>Formulation</b>	Water dispersible granule (WG)
<b>Pack sizes</b>	10 Kg
<b>Registered crops</b>	Canola, Cotton
<b>Application rate</b>	100-140 g/ha
<b>Surfactant</b>	Canola - Use adjuvant as directed by label
<b>Spray application</b>	Thorough coverage with medium spray droplets.
<b>Application timing</b>	Apply to an aphid population in the early stages of development before honeydew is evident or aphid damage occurs. Thorough spray coverage is essential.
<b>Withholding periods</b>	Harvest: Cotton: DO NOT harvest for 7 Days after application Canola: Not Required when used as directed. Grazing: Canola: DO NOT Graze or cut for stockfeed for 21 Days after application. Cotton: DO NOT feed cotton fodder, stubble or trash to livestock.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# Danadim® Progress

INSECTICIDE



## Product Overview

Danadim® Progress is a low odour, 400g/L dimethoate formulation with a unique stabiliser. Danadim® Progress is used for the control of a wide range of insect pests on Cereals, Pastures, Cotton and Lucerne.

<b>Active ingredient</b>	400 g/L dimethoate (an anticholinesterase compound)			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>1B</b></td><td><b>INSECTICIDE</b></td></tr></table> Acetylcholinesterase inhibitors	<b>GROUP</b>	<b>1B</b>	<b>INSECTICIDE</b>
<b>GROUP</b>	<b>1B</b>	<b>INSECTICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	10 L			
<b>Registered crops</b>	Wheat, Barley, Oats, Triticale, Pastures, Lucerne, Maize, Sorghum, Pulses, Canola, Linseed, Mustard, Poppy, Safflower, Sunflower, Cotton			
<b>Application rate</b>	40 mL - 800 mL/ha (varies by crop and target pest). Refer to the product label.			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Apply from boom spray in 50-100 L/ha water or aircraft in 20-40 L/ha water.			
<b>Application timing</b>	Apply when pest reaches economic threshold.			
<b>Withholding periods</b>	Harvest: Canola, Linseed, Mustard and Poppy: DO NOT harvest for 7 days after application. Cotton, Pulses (winter legumes), Safflower and Sunflower: DO NOT harvest for 14 days after application Cereals (including Maize, Sorghum) : DO NOT harvest for 28 days after application. Grazing: Beans, Canola, Linseed, Lucerne, Mustard: DO NOT graze or cut for stockfood for 7 days after application. Pasture, Lucerne: DO NOT graze or cut for stockfood for 7 days after application. Canola, Linseed, Mustard and Poppy: DO NOT graze or cut for stockfood for 7 days after application. Cereals (including Maize, Sorghum), Pulses: DO NOT graze or cut for stockfood for 14 days after application. Cotton: DO NOT feed cotton fodder, stubble or trash to livestock.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

For the control of certain insect pests in Cotton, Canola and Forage Brassica crops.

<b>Active ingredient</b>	100 g/L cyantraniliprole			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>28</b></td><td><b>INSECTICIDE</b></td></tr></table> Ryanodine receptor modulators	<b>GROUP</b>	<b>28</b>	<b>INSECTICIDE</b>
<b>GROUP</b>	<b>28</b>	<b>INSECTICIDE</b>		
<b>Formulation</b>	Suspo-emulsion (SE)			
<b>Pack sizes</b>	1 L, 10 L			
<b>Registered crops</b>	Cotton, Canola and Forage Brassica crops.			
<b>Application rate</b>	150 mL - 600 mL/ha (varies by crop and target pest). Refer to the product label.			
<b>Surfactant</b>	Ethylated seed oil			
<b>Spray application</b>	Ground or Aerial application. For ground application apply as a blanket spray or as a banded spray (Cotton only). Use a boom sprayer fitted with high flow rate fan nozzles to apply the highest practical spray volume. Apply in a minimum spray volume of 100 L/ha. Nozzles with higher rated flows produce larger droplets. Use the lower spray pressures recommended for the nozzle.			
<b>Application timing</b>	Apply when pest reaches economic threshold.			
<b>Withholding periods</b>	Harvest: Cotton: DO NOT harvest for 14 days after application. Canola : DO NOT harvest for 21 days after application. Grazing: Canola and Forage Brassicas: DO NOT graze or cut for stock food for 14 days after application. Cotton: DO NOT allow livestock to graze crops, Cotton stubble or gin trash treated with Exirel <sup>®</sup> insecticide.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# Fyfanon<sup>®</sup> 440 EW

INSECTICIDE

## Product Overview

Fyfanon<sup>®</sup> 440 EW Insecticide is a 440g/L oil in water emulsion malathion formulation with improved dermal toxicity. It controls a wide range of chewing and sucking pests.

<b>Active ingredient</b>	440 g/L Malathion (An Anticholinesterase Compound)
<b>Mode of Action</b>	<b>GROUP</b> <b>1B</b> <b>INSECTICIDE</b>
<b>Formulation</b>	Emulsion, Oil-in-Water
<b>Pack sizes</b>	1 L, 20 L, 955 L
<b>Registered crops</b>	Canola, Cereals, Lucerne, Pastures, Rice
<b>Application rate</b>	160 mL to 2.5 L/ha. Refer to the product label (varies by crop and target).
<b>Surfactant</b>	Not required
<b>Spray application</b>	Ground application recommended. Boom: Apply in 110 L water/ha. Misting Apply in 2.5 L water/ha. Repeat as necessary.
<b>Application timing</b>	Apply at first sign of pest. Repeat as necessary for each crop on the label.
<b>Withholding periods</b>	Cereal crops, Lucerne, Pasture: DO NOT graze or cut for stock food for 1 day after application. Stored Cereal grain : 12 ppm: hold grain in store and do not use for processing into food for human consumption or stock food until the malathion level has declined to 8 ppm or within 90 days after treatment. Rice (common armyworm): DO NOT harvest for 1 day after application.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

Steward<sup>®</sup> EC insecticide is a highly effective insecticide for Cotton, Azuki bean, Mung bean, Faba bean, Chickpea and Soybean crops.

<b>Active ingredient</b>	150 g/L indoxacarb			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>22A</b></td><td><b>INSECTICIDE</b></td></tr></table> Voltage-dependent sodium channel blockers	<b>GROUP</b>	<b>22A</b>	<b>INSECTICIDE</b>
<b>GROUP</b>	<b>22A</b>	<b>INSECTICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	10 L			
<b>Registered crops</b>	Cotton, Chickpeas, Faba beans, Azuki beans, Mung beans and Soybeans.			
<b>Application rate</b>	200 mL - 850 mL/ha (varies by crop and target pest). Refer to the product label.			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Ground or Aerial application. For ground application apply as a blanket spray or as a banded spray to all crops. Ensure thorough spray coverage on the foliage, using appropriate fan nozzles. Apply in a minimum spray volume of 100 L/ha and keep the boom low to avoid spray drift. A minimum spray pressure of 275 kPa (40 psi) should be used with fan nozzles applying insecticides.			
<b>Application timing</b>	Apply when pest reaches economic threshold.			
<b>Withholding periods</b>	Harvest: Cotton: DO NOT harvest for 28 days after application. Azuki beans, Chickpeas, Faba beans, Mung beans, Soybeans: DO NOT harvest for 21 days after application. Grazing: Cotton: DO NOT allow livestock to graze crops, Cotton stubble or gin trash treated with Steward <sup>®</sup> EC insecticide. Azuki beans, Chickpeas, Faba beans, Mungbeans, Soybeans: DO NOT graze or cut for stock food for 21 days after application.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# Talstar® 250 EC

INSECTICIDE / MITICIDE

## Product Overview

Talstar® 250 EC controls insect pests and mites of Barley, Canola, Clover, Cotton, Faba beans, Field peas, Lucerne, Lucerne seed crops, Lupins, Navy beans, Subterranean Clover, Clover, Poppies and Wheat.

<b>Active ingredient</b>	250 g/L bifenthrin			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>3A</b></td><td><b>INSECTICIDE</b></td></tr></table> Sodium channel modulators	<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>		
<b>Formulation</b>	Emulsifiable Concentrate (EC)			
<b>Pack sizes</b>	1 L, 5 L, 20 L and 110 L			
<b>Registered crops</b>	Canola, Clover, Cotton, Faba beans, Field peas, Lucerne, Lucerne seed crops, Lupins, Navy beans, Subterranean Clover, Clover, Wheat, Barley and Poppies.			
<b>Application rate</b>	20 mL - 320 mL/ha (varies by crop and target pest). Refer to the product label.			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Ground or Aerial application. Ground applications should be made as a fine spray preferably using hollow cone nozzles and a droplet size of 150 to 200 microns. The application volume will depend on the type of crop to be treated. The following are suggested: Low volume broadacre applications to - e.g: Cereals, Canola, Grain Legumes, Lucerne, Poppies, Subterranean Clover: 50-200 L/ha. Low volume row crops applications to Cotton, Navy Beans: 50-200 L/ha.			
<b>Application timing</b>	Apply when pest reaches economic threshold.			
<b>Withholding periods</b>	Harvest: Cotton: DO NOT harvest for 14 days after application. Navy beans: DO NOT harvest for 14 days after application. Cotton: DO NOT graze or cut for stockfeed. DO NOT feed Cotton trash to livestock. Navy beans: DO NOT graze or cut for stock food for 14 days after application. Canola, Subterranean Clover, Clover, Field Peas, Faba beans, Wheat, Barley, Lucerne, Lupins: DO NOT graze or cut for stock food for 4 weeks after application.			



## Product Overview

For the control of certain insect pests in Canola, Pulse crops, Barley, Wheat, Cotton and various field crops.

<b>Active ingredient</b>	150 g/L gamma-cyhalothrin
<b>Mode of Action</b>	<b>GROUP</b> <b>3A</b> <b>INSECTICIDE</b> Sodium channel modulators
<b>Formulation</b>	Capsule Suspension (CS)
<b>Pack sizes</b>	1 L and 5 L
<b>Registered crops</b>	Canola, Barley, Wheat, Cotton, Field peas, Lucerne, Lupins, Pasture, Chickpea, Faba/Broad bean, Lentil, Vetch, Navy bean, Mung bean, Sorghum, Sunflower, Soybeans, Oats, Cereal rye and Triticale.
<b>Application rate</b>	8 mL - 70 mL/ha (varies by crop and target pest). Refer to the product label.
<b>Surfactant</b>	Recommended
<b>Spray application</b>	Ground and Aerial application. Good coverage is essential to ensure adequate control. Trojan <sup>®</sup> insecticide may be applied by ground rig or aircraft using a MEDIUM droplet size category. For ground rigs apply Trojan <sup>®</sup> insecticide in 50-100 litres of water per ha. For aerial application apply Trojan <sup>®</sup> insecticide in at least 20 litres of water per ha. Trojan <sup>®</sup> insecticide may also be applied as an oil based ULV spray in a total spray volume of at least 5 L/ha. ULV spraying is not recommended in areas where drift may cause concern.
<b>Application timing</b>	Apply as soon as larvae reach threshold numbers.
<b>Withholding periods</b>	Harvest and Grazing: Peas, Canola, Faba bean, Chickpea, Lentils, Vetch: DO NOT harvest or graze/cut for 7 days after application. Lupins, Sorghum, Mung bean, Navy bean, Barley, Wheat, Oats, Cereal, Rye, Triticale, Pasture, Lucerne: DO NOT harvest or graze/cut for 14 days after application. Cotton, Soybeans: DO NOT harvest or graze/cut for 21 days after application. Sunflower: DO NOT harvest or graze/cut for 4 weeks after application.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

Vantacor<sup>®</sup> insecticide for the control of Lepidopteran species of insect pests in Cotton as well as winter and summer Pulse crops.

<b>Active ingredient</b>	600 g/L chlorantraniliprole			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>28</b></td><td><b>INSECTICIDE</b></td></tr></table> Ryanodine receptor modulators	<b>GROUP</b>	<b>28</b>	<b>INSECTICIDE</b>
<b>GROUP</b>	<b>28</b>	<b>INSECTICIDE</b>		
<b>Formulation</b>	Suspension Concentrate (SC)			
<b>Pack sizes</b>	2.5 L			
<b>Registered crops</b>	Cotton, Chickpea, Mung bean, Soybean, Faba/Broad bean, Field pea, Lentil, Lupin, Vetch, Azuki/Adzuki bean, Cow pea, Navy bean, Pigeon pea.			
<b>Application rate</b>	40 mL - 90 mL + non-ionic surfactant @ 125 g.a.i./ 100 L water (varies by crop and target pest). Refer to the product label.			
<b>Surfactant</b>	Non-ionic surfactant			
<b>Spray application</b>	Ground and Aerial application. Application equipment should be calibrated to apply at least sixty (60) droplets per cm <sup>2</sup> of target foliage. Droplet VMD should be of MEDIUM spray quality. Ground application Apply as a blanket spray or as a banded spray. Ensure thorough spray coverage on the foliage, using appropriate fan nozzles. Apply in a minimum spray volume of 100 L/ha and keep the boom low to avoid spray drift. A minimum spray pressure of 275 kPa (40 psi) should be used with fan nozzles applying insecticides.			
<b>Application timing</b>	Target eggs and hatchling (neonates or 1st instar) to small larvae (2nd instar) when they reach the economic spray threshold.			
<b>Withholding periods</b>	Harvest and Grazing: Cotton: DO NOT harvest for 28 days after application. DO NOT allow livestock to graze crops, cotton stubble or gin trash. Pulse crops: DO NOT harvest, graze or cut for stock feed for 14 days.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# isoCLEAR® HPO

nC<sub>23</sub> HORTICULTURAL PARAFFINIC OIL

## Product Overview

A narrow range emulsifiable paraffinic oil for the management of pests.

<b>Active ingredient</b>	812 g/L nC <sub>23</sub> Paraffinic Oil
<b>Mode of Action</b>	Physical
<b>Formulation</b>	Emulsifiable Concentrate (EC)
<b>Pack sizes</b>	20 L, 1000 L
<b>Registered crops</b>	Cotton
<b>Application rate</b>	2-5 L/ha
<b>Spray application</b>	Apply by ground rig using minimum of 80L/ha of water.
<b>Application timing</b>	Use alone to control early to mid-season populations of less than 20 aphids per terminal. If populations of aphids exceed 20 per terminal, use isoCLEAR® HPO Paraffinic Oil in a mixture with a registered aphicide.
<b>Withholding periods</b>	Not expected to be applicable when used as directed. DO NOT harvest for 1 day after application.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# On Coarse® DRA

## Product Overview

On Coarse® DRA is an adjuvant for use with 2,4-D and knockdown herbicides to reduce the fine droplet fraction considered to be at high risk of drift from ground-based spray boom application.

<b>Active ingredient</b>	98 g/L polygalactomannan hydroxyl propyl ether
<b>Mode of Action</b>	Physical
<b>Formulation</b>	Oil-based Suspension Concentrate (OD)
<b>Pack sizes</b>	20 L, 960 L
<b>Registered crops</b>	Fallow in tank mixes with Hammer, 2,4-D, Roundup and others as well as in Roundup Ready Flex cotton varieties.
<b>Application rate</b>	125 mL - 250 mL/ 100 L of water
<b>Spray application</b>	<p>Ground rig application - Use a nozzle type and size, travel speed, application pressure and volume to achieve the desired outcome.</p> <p>On Coarse® DRA is a viscous, very hazy oily liquid formulation. Inspect On Coarse® DRA and remix before use if some separated oil is visible at the surface of the pack's contents, unless entire contents of pack are to be used in one tank. DO NOT add any herbicides to the spray tank until at least 70% of the intended water volume has been added and all conditioning agents have been fully dissolved. When using glyphosate, add it next and fully disperse. Then add On Coarse® DRA and fully mix. When using paraquat, add On Coarse® DRA before the paraquat. Agitation may be required to initially disperse On Coarse® DRA but once mixed it will form a stable emulsion. Finally, add any other herbicide mixing component and top up to final water volume. Maintain agitation or recirculation during application.</p>
<b>Application timing</b>	For use with knockdown herbicides, or as directed by partner herbicide label.
<b>Withholding periods</b>	Not required.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# Parachute®

nC27 PARAFFINIC SPRAY OIL



## Product Overview

Parachute® is a targeted paraffinic concentrate for the control or suppression of certain pests in broadacre crops and cotton, a carrier for ULV insecticides, and a defoliation aid for cotton.

<b>Active ingredient</b>	788 g/L paraffinic oil
<b>Mode of Action</b>	Physical
<b>Formulation</b>	Emulsifiable Concentrate (EC)
<b>Pack sizes</b>	20 L, 110 L and 1000 L
<b>Registered crops</b>	Cotton, Canola, Pulses, Fallow.
<b>Application rate</b>	1% - 5% or 1 L - 5 L/ 100 L of water; 0.5 L - 2.0 L/ha
<b>Spray application</b>	<p>When mixing in the spray tank, firstly add 25% - 30% of the total Parachute® amount, then add the required volume of insecticide and lastly the remaining Parachute® amount required, continuously agitating by stirring or by recirculation.</p> <p>When using as a defoliation aid, one-quarter fill the spray tank with water and then add the required amount of Dropp* WP, then Parachute®, then the remainder of the water with agitator running.</p> <p>When mixing with other products always refer to companion product label.</p>
<b>Application timing</b>	<p>As an insecticide: Early corrective. As a defoliation aid: Refer to defoliant partner label. As an adjuvant for herbicides: Refer to partner herbicide labels.</p>
<b>Withholding periods</b>	Do not harvest for one day after application.

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

For control of certain fungal diseases on Wheat, Barley and Canola when mixed with fertiliser or applied in furrow or as a foliar spray.

<b>Active ingredient</b>	500 g/L flutriafol			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>3</b></td><td><b>FUNGICIDE</b></td></tr></table> An inhibitor of demethylation (DMI fungicide)	<b>GROUP</b>	<b>3</b>	<b>FUNGICIDE</b>
<b>GROUP</b>	<b>3</b>	<b>FUNGICIDE</b>		
<b>Formulation</b>	Suspension Concentrate (SC)			
<b>Pack sizes</b>	10 L, 1000 L			
<b>Registered crops</b>	Barley, Wheat, Canola			
<b>Application rate</b>	10 L, 1000 L			
<b>Surfactant</b>	Wetting agent when applied as a foliar spray.			
<b>Spray application</b>	<p>Spray product evenly onto granulated fertiliser and immediately mix thoroughly in a mechanical mixer or auger. Apply at a rate which will deposit the rate of product specified in the DIRECTIONS FOR USE TABLE on the quantity of fertiliser required to be sown in-furrow per hectare, refer to label for foliar application directions. Where application volume is below 250 mL per 100 kg of fertiliser, product may be diluted with water to improve coverage. Ensure that treated fertiliser is dry before sowing with the crop.</p> <p>Sowing: Treated fertiliser should be sown in the same furrow as the seed, not broadcast. Note that the flow rate of fertiliser may be changed after treatment, and the seeder should be calibrated with the treated material to ensure that the correct rates of fertiliser and fungicide are delivered. DO NOT mix seed with treated fertiliser.</p>			
<b>Application timing</b>	Mix with fertiliser or apply as a foliar spray when disease first appears.			
<b>Withholding periods</b>	<p>A. Applied in-furrow as a fertiliser treatment canola, wheat and barley – DO NOT graze or cut for stock food for 4 weeks after sowing.</p> <p>B. Applied as a foliar spray DO NOT harvest earlier than the number of weeks shown after application: Barley - 10 weeks, Wheat - 7 weeks DO NOT graze or cut for stock food earlier than the number of weeks shown after application: Barley - 10 weeks, Wheat - 7 weeks.</p>			



# Rovral® Liquid

FUNGICIDE

## Product Overview

For the control of certain fungal diseases in Canola, Lucerne, Peanut and Soybean crops.

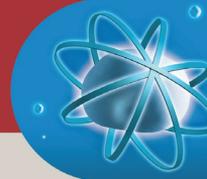
<b>Active ingredient</b>	250 g/L iprodione			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>2</b></td><td><b>FUNGICIDE</b></td></tr></table> A dicarboximide fungicide	<b>GROUP</b>	<b>2</b>	<b>FUNGICIDE</b>
<b>GROUP</b>	<b>2</b>	<b>FUNGICIDE</b>		
<b>Formulation</b>	Emulsion, Oil-in-Water (EW)			
<b>Pack sizes</b>	5 L and 20 L			
<b>Registered crops</b>	Canola, Lucerne, Peanuts, Soybean			
<b>Application rate</b>	500 mL – 2 L/ha crop and disease dependent. Refer to product label.			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Good disease control requires even, thorough coverage of the target area. Application should be made using appropriate spray equipment and sufficient water to provide adequate penetration and coverage. Equipment settings and water volume may need to vary, depending on the growth stage of the crop.			
<b>Application timing</b>	Canola / Lucerne : Apply as a preventative spray. Peanuts / Soybeans : Apply when disease first appears. Repeat if necessary.			
<b>Withholding periods</b>	Peanuts: DO NOT harvest for 12 days after application. Canola: DO NOT harvest for 6 weeks after application. DO NOT graze or cut for stock food for 6 weeks after application. Soybeans: DO NOT harvest for 7 weeks after application. Lucerne: DO NOT graze or cut stock food within 7 days of treatment.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



# Rovral®

LIQUID SEED DRESSING FUNGICIDE



## Product Overview

For the control of brown leaf spot and the suppression of hypocotyl rot, in the first four weeks after emergence, in lupins.

<b>Active ingredient</b>	250 g/L iprodione Solvent: 332 g/L liquid hydrocarbons			
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>2</b></td><td><b>FUNGICIDE</b></td></tr></table> A dicarboximide fungicide	<b>GROUP</b>	<b>2</b>	<b>FUNGICIDE</b>
<b>GROUP</b>	<b>2</b>	<b>FUNGICIDE</b>		
<b>Formulation</b>	Suspension Concentrate (SC)			
<b>Pack sizes</b>	5 L, 20 L, 110 L and 1000 L			
<b>Registered crops</b>	Lupins			
<b>Application rate</b>	100 mL – 500 mL/100 kg seed			
<b>Surfactant</b>	Not required			
<b>Spray application</b>	Mix with water and apply in a total volume of 500 - 600 mL mixture/100 kg seed using suitable seed dressing application equipment. Shake the container well before using. Add the required volume of Rovral® Liquid Seed Dressing to the water whilst agitating. Slowly add the mixture to the seed and mix thoroughly ensuring thorough coverage of the seed.			
<b>Application timing</b>	On seed ensuring even coverage of all grains.			
<b>Withholding periods</b>	Not required when used as directed.			

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

Armour® C seed dressing protects against smut and bunts, as well as foliar diseases such as stripe rust and insect pests of stored grains.

<b>Active ingredient</b>	100 g/L flutriafol 4 g/L cypermethrin						
<b>Mode of Action</b>	<table border="1"><tr><td><b>GROUP</b></td><td><b>3</b></td><td><b>FUNGICIDE</b></td></tr><tr><td><b>GROUP</b></td><td><b>3A</b></td><td><b>INSECTICIDE</b></td></tr></table> <p>Combines an inhibitor of demethylation (DMI fungicide) with a sodium channel modulator (pyrethroid insecticide)</p>	<b>GROUP</b>	<b>3</b>	<b>FUNGICIDE</b>	<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
<b>GROUP</b>	<b>3</b>	<b>FUNGICIDE</b>					
<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>					
<b>Formulations</b>	Suspension Concentrate (SC) and Powder						
<b>Pack sizes</b>	10 L, 110 L, 10 kg						
<b>Registered crops</b>	Wheat, Barley						
<b>Application rate</b>	100 mL/100 kg seed, 100 grams per 100 kg of seed						
<b>Surfactant</b>	Not required						
<b>Application</b>	<p>Choose the lowest application volume necessary to give full coverage of seed with the equipment to be used. To achieve disease control, it is essential that the correct quantity of Armour® C Seed Dressing Flowable is applied to the grain. It is also essential that each grain is properly treated. Reduced emergence may occur if seed treated with flutriafol is sown to a depth greater than 5 cm or in soil at a temperature less than 5°C or greater than 20°C. Seed treatment will give suppression of leaf diseases for up to 8 weeks after sowing.</p>						
<b>Application timing</b>	On seed ensuring even coverage of all grains.						
<b>Withholding periods</b>	<p>Grazing: DO NOT graze or feed livestock on treated crops for 4 weeks after planting. DO NOT feed or expose treated seed to wildlife and domestic animals.</p>						

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



## Product Overview

Vincit® C seed dressing is a seed dressing treatment for Wheat, Barley, Oats and Triticale to protect against Smuts and Bunts and insect pests of stored grains.

<b>Active ingredient</b>	25 g/L flutriafol 4 g/L cypermethrin						
<b>Mode of Action</b>	<table border="1"><tr><td>GROUP</td><td>3</td><td>FUNGICIDE</td></tr><tr><td>GROUP</td><td>3A</td><td>INSECTICIDE</td></tr></table> <p>Combines an inhibitor of demethylation (DMI fungicide) with a sodium channel modulator (pyrethroid insecticide)</p>	GROUP	3	FUNGICIDE	GROUP	3A	INSECTICIDE
GROUP	3	FUNGICIDE					
GROUP	3A	INSECTICIDE					
<b>Formulations</b>	Suspension Concentrate (SC) and Liquid						
<b>Pack sizes</b>	10 L, 1000 L						
<b>Registered crops</b>	Wheat, Barley, Oats, Triticale						
<b>Application rate</b>	100 mL/100 kg seed.						
<b>Surfactant</b>	Not required						
<b>Spray application</b>	Choose the lowest application volume necessary to give full coverage of seed with the equipment to be used. Vincit® C may be applied undiluted or diluted with up to 500 mL water per 100 kg of seed. To achieve disease control, it is essential that the correct quantity of Vincit® C Flowable seed dressing is applied to the grain. It is also essential that each grain is properly treated. Reduced emergence may occur if seed treated with flutriafol is sown to a depth greater than 5 cm.						
<b>Application timing</b>	On seed ensuring even coverage of all grains.						
<b>Withholding periods</b>	DO NOT graze plants from treated seed, or cut for stock food, within 4 weeks of sowing.						

**ALWAYS READ AND FOLLOW LABEL DIRECTIONS**



**For further information please visit [ag.fmc.com/au](https://ag.fmc.com/au) or contact your local FMC representative here:**



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