

POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS
BEFORE OPENING OR USING



ACTIVE CONSTITUENT: 720g/L CHLOROTHALONIL

GROUP M5 FUNGICIDE

For the control of fungal diseases on almonds, apricots, bananas, carrots, celery, cherries, faba beans, grapes, onions, peaches, peanuts, plums, potatoes, tomatoes, turf and vegetables as per the Directions for Use table.

**IMPORTANT: READ THIS BOOKLET THOROUGHLY
BEFORE USING THIS PRODUCT**

APVMA Approval No: 69448/60814

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DIRECTIONS FOR USE:

RESTRAINTS:

DO NOT mix spraying oils or wetting agents with this product.

For all stone fruit except Cherries, the following additional restraints apply:

DO NOT use oils after bud-swell and during the season if AC Bravado Fungicide is to be used after shuck fall.

DO NOT tank mix this product with EC formulations when spraying after shuck fall.

TREE AND VINE CROPS

| Rate | | | | | Critical Comments | |
|---|--|----------------------------------|----------------|------------|--|--|
| This table shows rates for dilute spraying. For concentrate spraying refer to the Mixing/Application Section. | | | | | | |
| Situation and Crop | Disease | State | Rate | WHP (Days) | | |
| Almonds | Shot hole <i>(Stigmia carpophila)</i> Stone fruit rust <i>(Tranzschella discolor)</i> | NSW, Vic, Tas, SA, WA only | 160mL /100L | - | Apply at bud-swell, bud burst, pink-bud, shuck fall, cap fall. Apply every 10-14 days. Apply 1 week pre-harvest. | |
| Apricots | Brown rot- Fruit <i>(Monilinia fructicola)</i> Blossom blight <i>(Monilinia laxa)</i> | | | 7 | Apply at bud-swell, bud-burst, pink-bud, full bloom. | Spray applications later than 35 days prior to harvest may result in unacceptable fruit skin damage. See also additional restraints for stone fruits. |
| | Stone Fruit rust <i>(Tranzschella discolor)</i> Shot-hole <i>(Stigmia carpophila)</i> Freckle <i>(Venturia carpophila)</i> | | | | Apply at bud-swell, bud burst, pink bud, shuck fall, cap fall, and then every 10-14 days. | |
| Cherries | Brown rot - Fruit <i>(Monilinia fructicola)</i> Blossom blight <i>(Monilinia laxa)</i> | All States | | | Apply at bud-swell, bud-burst, pink bud, early blossom, full bloom. Apply 3 weeks pre-harvest and 1 week pre-harvest. | |
| | Shot-hole <i>Stigmia carpophila)</i> Stone fruit rust <i>(Tranzschella discolor)</i> | | | | Apply at bud-swell, bud burst, pink bud, shuck fall, cap fall and then apply every 10-14 days. Apply 1 week pre-harvest. | |
| | Transit Rot <i>(Rhizopus stolonifer)</i> | | | | Apply 1 week pre-harvest. | |

| Situation and Crop | Disease | State | Rate | WHP (Days) | Critical Comments |
|---|---|-----------------------|----------------|----------------------|--|
| Nectarines | Shot-hole (<i>Stigmina carpophila</i>) | All States except Qld | 160mL/100L | 7 | Apply at bud-swell, pink bud, shuck fall and then repeat each 14 days if weather conditions favour disease. Spray applications later than 35 days prior to harvest may result in unacceptable fruit skin damage. See also Additional Restraints for stone fruits. |
| | Brown rot -Fruit (<i>Monilinia fructicola</i>) Blossom blight (<i>Monilinia laxa</i>) | | | | Apply at bud-swell, bud burst, pink bud, early blossom and full bloom. Spray applications later than 35 days prior to harvest may result in unacceptable fruit skin damage. See also Additional Restraints for stone fruits. |
| Peaches | Brown rot -Fruit (<i>Monilinia fructicola</i>) Blossom blight (<i>Monilinia laxa</i>) | All States | | 7 | Apply at bud-swell, pink bud, early blossom and full bloom. Spray applications later than 35 days prior to harvest may result in unacceptable fruit skin damage. See also Additional Restraints for stone fruits. |
| | Shot-hole (<i>Stigmina carpophila</i>) Stone fruit rust (<i>Tranzschelia discolor</i>) | | | | Apply at bud-swell and continue at 7-14 day intervals. Apply no later than 35 days pre-harvest as unacceptable fruit skin damage may occur. See also Additional Restraints for stone fruits. |
| | Leaf curl (<i>Taphrina deformans</i>) | | | | Apply at bud-swell and continue at 7-14 days intervals. In Qld spray only at bud-swell. |
| | | | | | Apply no later than 35 days pre-harvest as unacceptable fruit skin damage may occur. See also Additional Restraints for stone fruits. |
| Grapes: Note: russetting of some table grape varieties may occur | Downy mildew (<i>Plasmopara viticola</i>) Bunch rot (<i>Botrytis cinerea</i>) | | 160-210mL/100L | Dessert 7 Wine 14 | Make the first application as soon as conditions favour the development of the disease. Apply at 7-14 day intervals particularly during wet weather and periods of rapid growth. For Bunch Rot, applications at early full bloom, two weeks later, at veraison and two weeks prior to harvest. Table grapes- Russetting of some varieties may occur. Use only up to cap fall in these varieties. |
| | Black Spot (<i>Arthracnose</i>) (<i>Elsinoe ampelina</i>) | | 210mL/100L | | If Black Spot has occurred in the vineyard in any of the last three years, apply at budburst and 14 days later when shoots are 10-15 cm long. If wet/humid conditions persist spray again when shoots are 20-30cm long to protect new growth. Some initial minimal leaf damage on the new shoots of sensitive varieties can occur if spray treatments are applied at budburst and in the first 14 days after budburst. In vineyards with no history of Black Spot, make the first application as soon as conditions favour the development of the disease on the foliage and then at 7-14 day intervals if wet/humid conditions persist. Applications up to cap-fall will not cause russetting in table grape and dried fruit varieties. |

| Situation and Crop | Disease | State | Rate | WHP (Days) | Critical Comments |
|--------------------|---|------------|----------------|------------|--|
| Plums | Brown rot -Fruit (<i>Monilinia fructicola</i>) Blossom blight (<i>Monilinia laxa</i>) | All States | 160mL/ 100L | 1 | Apply at bud-swell, bud burst, early blossom, pink bud and full bloom. Spray applications later than 35 days prior to harvest may result in unacceptable fruit skin damage. See also Additional Restraints for stone fruits. |
| | Shot-hole (<i>Stigmina carpophila</i>) Stone fruit rust (<i>Tranzschelia discolor</i>) | | | | Apply at bud-swell, bud burst, pink bud, shuck fall and cap fall. Spray applications later than 35 days prior to harvest may result in unacceptable fruit skin damage. See also Additional Restraints for stone fruits. |

LEGUMES

| Situation and Crop | Disease | State | Rate | WHP (Days) | Critical Comments |
|-------------------------|---|--------------------------------|-----------------|------------|---|
| Broad Beans, Faba Beans | Chocolate spot (<i>Botrytis fabae</i>), Rust (<i>Uromyces viciae-fabae</i>) | All States | 1.4- 2.3L/ha | 7 | Make the first application as soon as conditions favour the development of the disease. Repeat at 7-14 days intervals. Use the higher rate if the crop is dense and disease pressure is high. |
| Peanuts | Early leaf spot (<i>Cercospora arachidicola</i>) Late leaf spot (<i>Cerosporidium personatum</i>) Peppery leaf spot (<i>Leplosphaerulina trifolii</i>), Peanut Rust (<i>Puccinia arachidis</i>) Net blotch (<i>Didymosphaeria arachidicola</i>) | Qld, NSW, WA, NT only | 1.1- 1.8L/ha | - | Use higher rate for peanut rust. South Burnett, NSW and WA only: Commence application as soon as conditions favour the development of the disease and repeat as necessary to maintain control. Atherton Tableland: Commence spraying six weeks after planting and repeat at 14-day intervals. |
| Peas | Downey mildew (<i>Peronospora viciae</i>) | Qld, Tas, WA, NT only | | 7 | Make the first application as soon as conditions favour the development of the disease. Repeat at 7-14 days intervals. Use the higher rate if the crop is dense and disease pressure is high. |

VEGETABLES AND FRUIT

| Situation and Crop | Disease | State | Rate | WHP (Days) | Critical Comments |
|---|--|-------------------------|-------------|--------------|---|
| Bananas Do not apply to bananas within 14 days of applying an oil based spray or crop damage will occur. | Leaf Spot <i>(Mycosphaerella musicola)</i> | Qld, NSW, NT only | 1.8L/ha | 1 | For North Qld: Spray every 14 days late January to end of March. Extend to 21 days after March and then 28-35 days in the drier months of the year. For South Qld: Spray every 21 days from start of December to end of April. For NSW: Spray every 21days from end of November to end of May. For WA: Spray every 10-14 days from November to end of May and extend to 14-21 days from May to November. |
| | | WA only | 1.5L/ha | | |
| | Leaf speckle <i>(Mycosphaerella musae)</i> | Qld, NSW, WA, NT only | 3L/ha | | |
| Broccoli, Brussels Sprouts, Cabbages, Cauliflowers | Ring spot <i>(Mycosphaerella brassicicola)</i> | All States | 1.8-3.5L/ha | 7 | Make the first application as soon as conditions favour the development of the disease. Repeat at 7-14 days intervals. Use the higher rate if the crop is dense and disease pressure is high. |
| Artichoke – Globe | Grey Mould (<i>Botrytis cinerea</i>) | | 1.8-2.3L/ha | 1 | Apply at 7-10 day intervals as required. Use the higher rate if disease pressure is high. |
| Capsicums Peppers | Grey mould (<i>Botrytis cinerea</i>), Anthracnose (<i>Colletotrichum acutatum</i>) | | | | Apply at 7-10 day intervals as required. Use the higher rate if disease pressure is high. |
| Carrots | Leaf Blight (<i>Alternaria dauci</i>) | All States | 1.8L/ha | 7 | Commence application as soon as conditions favour development of the disease and then apply every 7-14 days. |
| Celery | Septoria leaf spot (<i>Septoria apicola</i>) | | | NSW, WA only | 1.2L/ha |
| | Cercospora Early Blight (<i>Cercospora apii</i>) | Apply every 10-14 days. | | | |

| Situation and Crop | Disease | State | Rate | WHP (Days) | Critical Comments |
|---|--|--------------|------------------------------|------------|--|
| Cucurbits including Cantaloupe, Cucumbers, Honeydew, Muskmelon, Pumpkin, Squash, Rockmelon, Watermelon, Zucchini | Downy mildew (<i>Pseudoperonospora cubensis</i>), Gummy Stem Blight (<i>Didymella bryoniae</i>), Anthracnose (<i>Colletotrichum orbiculare</i>), Leaf Blight (<i>Alternaria cu</i>), Target Leaf Spot (<i>Cercospora citrullina</i>) | All States | 1.6-2.5L/ha | 1 | Apply on a 7-14 day schedule. Apply rates towards the higher end of the recommended range and at 7-day intervals when disease pressure is high. |
| | Commence spray program early at first true leaf, and before vining or flowering. | | | | |
| Belly Rot (<i>Rhizoctonia solani</i>) | When used at these rates this product will suppress Powdery Mildew. | | | | |
| Suppression of belly rot will be obtained where fruit form on soil when sprayed using the above foliar spray programme. | | | | | |
| Endive | Grey Mould (<i>Botrytis cinerea</i>) | Qld, WA only | 1.8-2.3L/ha | | Apply at 7-10 day intervals as required. Use the higher rate if disease pressure is high. |
| Leeks Shallots | Purple Blotch (<i>Alternaria porri</i>) | | | | Make the first application as soon as conditions favour the development of the disease. Repeat at 7-10 day intervals particularly during wet weather. |
| Okra | Leaf Disease/ Spot | | | | Make the first application as soon as conditions favour the development of the disease. Repeat at 7-10 day intervals. |
| Onions (excluding spring onions) | Downy Mildew (<i>Peronospora destructor</i>) | All States | 2.3L/ha | 14 | Make the first application as soon as conditions favour the development of the disease. Repeat at 14 day intervals. |
| Potatoes | Early Blight or Target Spot (<i>Alternaria solani</i>) Late Blight or Irish Blight (<i>Phytophthora infestans</i>) | | 1.1-1.8L/ha | - | Commence applications at flowering time or earlier if weather conditions are favourable for disease infection. Spray every 7-14 days until within 14 days of desiccation or harvest. |
| Radish | Grey Mould (<i>Botrytis cinerea</i>) | | 1.8-2.3L/ha | 1 | Apply at 7-10 day intervals as required. Use the higher rate if disease pressure is high |
| Rhubarb | Assochyta leaf spot (<i>Ascochyta rhei</i>) | | 140mL/100L Apply 2000L/ha | 7 | Apply every 10-14 days. Ensure even coverage. |
| Sweet Corn | Turcicum Leaf Blight (<i>Exserohilum turcicum</i>) | | 1.8-2.3L/ha | 1 | Make the first application as soon as conditions favour the development of the disease. Repeat at 7-10 day intervals. |

| Situation and Crop | Disease | State | Rate | WHP (Days) | Critical Comments |
|--------------------|--|--------------|-------------|------------|--|
| Tomato | Early Blight or Target Spot (<i>Alternaria solani</i>), Leaf Mould (<i>Fulvia fulva</i>), Grey Leaf Spot (<i>Stemphylium solani</i>) Botrytis Rot or Grey Mould (<i>Botrytis cinerae</i>) | All States | 1.8-2.3L/ha | 1 | Make the first application as soon as conditions favour the development of the disease. Repeat at 7-14 day intervals. Continue into the picking season to obtain best results against Leaf Mould and Botrytis Rot. |
| Water Cress | Cercospora Leaf Spot | Qld, WA only | | | Apply at 7-10 day intervals as required. Use the higher rate if disease pressure is high. |

MISCELLANEOUS

| Situation and Crop | Disease | State | Rate | WHP (Days) | Critical Comments |
|--|---|--|--|------------|--|
| Ornamentals Chrysanthemums, Geraniums, Iris and other ornamentals | Botrytis, Grey mould, Rust diseases, Septoria and Alternaria leaf spot diseases | All States | 100mL/100L | - | Apply at 7-14 day intervals. Use 7 day interval under severe conditions. Avoid application to blooms in Azalea, Hydrangea and Petunia. |
| Tobacco | Tobacco leaf spot (<i>Ascochyta arida</i>) | Qld, WA only | 220mL/100L | - | Apply every 7 days in seedbed application only. |
| Turf and Lawns, Bowling greens, Golf greens | Dollar Spot (<i>Sclerotinia homeocarpa</i>) | Qld, NSW, ACT, Vic, SA, WA only | 130-200mL/ 100m ² in 20-60 L water | - | If disease is already established use higher rate. Apply at 7 – 14 day intervals. Under severe conditions spray at 7 day intervals. DO NOT mow or water treated area until the turf or lawn is thoroughly dry. |
| | Brown Patch (<i>Rhizoctonia sp</i>) | All States | | | |
| | Grey leaf spot (<i>Stemphylium solani</i>) | NSW, WA only | 24 L/ha | | Apply to leaf as a curative application. DO NOT irrigate for 24 hours after application. |

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED LEGISLATION.

WITHOLDING PERIODS:

ARTICHOKES, BANANAS, CAPSICUM, CELERY, CUCURBITS, ENDIVE, LEEK, OKRA, PEPPERS, PLUMS, RADISH, SHALLOTS, SWEET CORN, TOMATOES, WATERCRESS:
DO NOT HARVEST FOR 1 DAY AFTER APPLICATION.

APRICOTS, BEANS, BROCCOLI, BRUSSELS SPROUTS, CABBAGES, CARROTS, CAULIFLOWERS, CHERRIES, NECTARINES, PEACHES, PEAS, RHUBARB, TABLE GRAPES:
DO NOT HARVEST FOR 7 DAYS AFTER APPLICATION.

ONIONS, WINE GRAPES: **DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.**

BEANS, PEANUTS, PEAS: **DO NOT GRAZE LIVESTOCK ON TREATED CROPS.**

POTATOES: **NOT REQUIRED WHEN USED AS DIRECTED.**

GENERAL INSTRUCTIONS:

AC Bravado 720 Fungicide is a protectant fungicide only. Therefore, to achieve best results, AC Bravado 720 Fungicide must be applied before diseases occur/become established. Use disease warning services or past history to determine timing of first spray. If diseases are already present then an eradicant product should be used first and mixed with AC Bravado 720 Fungicide.

Mixing: Slowly invert the pack several times to ensure uniform mixture.

Mix the required quantity of product with water in the spray tank with agitator operating.

APPLICATION

Dilute Spraying

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off. The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice. Add amount of product specified in the Directions for Use table for each 100L of water. Spray to the point of run-off. The required dilute spray volume will change the sprayer set up and operation may also need to be changed, as the crop grows.

Concentrate Spraying:

Use a sprayer designed and set up for concentrate spraying (that is a sprayer which applies water volumes less than those required to reach the point of run-off) and matched to the crop being sprayed. Set up and operate the sprayer to achieve even coverage throughout the crop canopy using your chosen water volume. Determine an appropriate dilute spray volume (see Dilute Spraying above) for the crop canopy. This is needed to calculate the concentrate spray mix rate.

The mixing rate for concentrate spraying can then be calculated in the following way:

Example Only:

1. Dilute spray volume as determined above: for example 1500L/ha
2. Your chosen concentrate spray volume: for example 500L/ha
3. The concentrate factor in this example is: $3x$ (ie $1500L \div 500L = 3$)
4. If the dilute label rate is 40mL/100L then the concentration rate becomes 3×40 , which is 120 mL/100L of concentrate spray.
 - The chosen spray volume, amount of product per 100L of water, and the sprayer set up and operation may need to be changed as the crop grows.
 - For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

COMPATIBILITY

This product is compatible with wettable powder formulations of the most commonly used fungicides, insecticides and miticides. Unless experience in your area has shown other combination to be physically compatible and non-injurious to your crop, do not combine with other chemicals, especially oil-based emulsifiable or flowable pesticides. This product should not be mixed with spraying oils or sprayed onto crops that have been sprayed with oil for at least 10 days after the last spray. Oils should not be sprayed on crops treated with this product for at least 10 days after the last spray. Wetting agents have not improved performance. Under some conditions, certain surfactants may cause plant injury.

FUNGICIDE RESISTANCE WARNING

| GROUP | M5 | FUNGICIDE |
|-------|----|-----------|
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AC Bravado 720 Fungicide is a member of the multi-site activity group of fungicides. For fungicide resistance management AC Bravado 720 Fungicide is a Group M5 fungicide. Some naturally occurring individual fungi resistant to AC Bravado 720 Fungicide and other Group M5 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungi population if these fungicides are used repeatedly. The resistant fungi will not be controlled AC Bravado 720 Fungicide and other Group M5 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, Axichem Pty Limited accepts no liability for any losses that may result from the failure AC Bravado 720 Fungicide to control resistant fungi.

PROTECTION OF LIVESTOCK

DO NOT contaminate feed or foodstuff with this product or empty containers.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Dangerous to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers and product.

Refillable containers: Storage must be secure so that contents cannot be tampered with. All locks and/or seals must be in order. If locks or seals are broken prior to initial use than the integrity of this product cannot be assured. If this occurs Axichem Pty Limited should be advised immediately. Empty contents fully into application equipment. Close all valves and return the container to the point of purchase for refill or storage.

SAFETY DIRECTIONS

Attacks eyes and skin. Avoid contact with eyes and skin. DO NOT inhale spray mist. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. When preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length PVC gloves and goggles and disposable mist mask covering mouth and nose. If clothing becomes contaminated with product or wet with spray remove clothing immediately. If product in eyes, wash it out immediately with water. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and goggles and contaminated clothing.

FIRST AID

If poisoning occurs a doctor, or Poisons Information Centre (Phone 13 11 26).

If swallowed, DO NOT induce vomiting. Give a glass of water.

MATERIAL SAFETY DATA SHEET

For further information refer to the Material Safety Data Sheet (MSDS) which is available from the supplier.

LIMIT OF WARRANTY AND LIABILITY

Axichem Pty Ltd warrants that this material conforms to the chemical description on the label. As the use of product sold is beyond the control of Axichem Pty Ltd, no responsibility whatsoever for any consequences is accepted in respect of this product, save those non-excludable conditions implied by any State and Federal legislation or law of a Territory. Not for repacking or reformulations. No licence under any non-Australian patent is granted or implied by purchase of this container.

**IN A TRANSPORT EMERGENCY
DIAL 000
POLICE OR FIRE BRIGADE**