

CAUTION

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

Custodia® 320 SC

Fungicide

ACTIVE CONSTITUENTS:

200 g/L TEBUCONAZOLE

120 g/L AZOXYSTROBIN

GROUP

3 | 11

FUNGICIDE

Crops: Grapevines, Wheat, Barley, Peanuts and Almonds

Uses: Management of foliar diseases specified in the
Directions for Use Table

Formulation type
Suspension
Concentrate

SC



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CONTENTS: 1 - 1000 L

RESTRAINTS

DO NOT apply if heavy rain or storms that are likely to cause runoff is forecast within 3 days.

SPRAY DRIFT RESTRAINTS

Except when applying with orchard/vineyard airblast equipment, **DO NOT** apply with spray droplets smaller than a MEDIUM spray droplet size category according to nozzle manufacturer specifications that refer to the ASAE S572 Standard or the BCPC Guideline.

DO NOT apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.

DO NOT apply during surface temperature inversion conditions at the application site.

Users of this product **MUST make an accurate written record** of the details of each spray application within 24 hours following application, and must **KEEP** this record for at least 2 years. The spray application details that must be recorded are:

1) Date with start and finish times of application; **2)** Location address and paddock(s) sprayed; **3)** Full name of this product; **4)** Amount of product used per hectare and number of hectares applied to; **5)** Crop or situation and pest; **6)** Wind speed and direction during application; **7)** Air temperature and relative humidity during application; **8)** Nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application; **9)** Name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used.)

MANDATORY NO-SPRAY ZONES

Aquatic Environment

DO NOT apply if there are aquatic or wetland areas including aquaculture ponds downwind from the application area and within the **mandatory no-spray zones** shown in Tables A - C below.

Table A – No-Spray Zones for Protection of the Aquatic Environment – Cereals

| FOR AERIAL APPLICATION | | |
|---|----------------------------------|------------|
| Wind Speed Range at Time of Application | Downwind Mandatory No-Spray Zone | |
| | Fixed-Wing | Helicopter |
| From 3 - 8 kilometres per hour | 60 metres | 20 metres |
| From 8 - 20 kilometres per hour | 60 metres | 40 metres |
| FOR GROUND APPLICATION | | |
| From 3 - 20 kilometres per hour | 5 metres | |

Table B – No-Spray Zones for Protection of the Aquatic Environment – Peanuts

| FOR AERIAL APPLICATION | | |
|---|----------------------------------|------------|
| Wind Speed Range at Time of Application | Downwind Mandatory No-Spray Zone | |
| | Fixed-Wing | Helicopter |
| From 3 - 20 kilometres per hour | 100 metres | 80 metres |
| FOR GROUND APPLICATION | | |
| From 3 - 20 kilometres per hour | 5 metres | |

Table C – No-Spray Zones for Protection of the Aquatic Environment – Almonds and Grapevines

| FOR AERIAL APPLICATION | |
|---|----------------------------------|
| Wind Speed Range at Time of Application | Downwind Mandatory No-Spray Zone |
| From 3 - 20 kilometres per hour | 5 metres |

Terrestrial Environment

DO NOT apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat downwind from the application area and within **the mandatory no-spray zones** shown in Table D below.

Table D – No-Spray Zones for Protection of the Terrestrial Environment – Cereals and Peanuts

| FOR AERIAL APPLICATION | | |
|---|----------------------------------|------------|
| Wind Speed Range at Time of Application | Downwind Mandatory No-Spray Zone | |
| | Fixed-Wing | Helicopter |
| From 3 - 20 kilometres per hour | 20 metres | 20 metres |

DIRECTIONS FOR USE

Table 1. Grapevines

| DISEASE | RATE | WHP | CRITICAL COMMENTS |
|---|---|-----------|--|
| Powdery Mildew (<i>Uncinular necator</i>) | Dilute spraying: 65 or 100 mL/100 L Concentrate spraying: 1 L/ha | H 4 weeks | Apply CUSTODIA® as part of a season-long spray program targeting the following growth stages: 1. When shoots are 20 cm long. 2. Pre-flowering. 3. Flowering. 4. After fruit set 5. Before bunches close. Use the lower rate prior to flowering (before E-L 19) or under low disease pressure. Apply the higher rate from the start of flowering (from E-L 19) and under conditions of high disease pressure Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. DO NOT apply in volumes less than 250 L/ha. DO NOT apply at concentrations greater than 4X maximum label rate. This use is subject to a CropLife Fungicide Resistance Management Strategy: DO NOT apply more than two sprays of CUSTODIA® per season. DO NOT use CUSTODIA® curatively. |
| Downy Mildew (<i>Plasmopara viticola</i>) | Dilute spraying: 100 mL/ 100 L Concentrate spraying: 1 L/ha | | Apply CUSTODIA® as part of a seasonal preventative spray program commencing when shoots are approximately 20 cm long. Use CUSTODIA® in rotation with other mode of action fungicides on a 7-21 day spray interval. Under conditions of high disease pressure and/or at critical timings i.e. during flowering; ensure that CUSTODIA® is applied in rotation with fungicides from a different mode of action group such as AXIOM® PLUS. |
| Botrytis Bunch Rot (<i>Botrytis cinerea</i>) | | | When CUSTODIA® is used in a seasonal spray programme it will provide control of Botrytis additional to that of specific botryticides. Under conditions of high disease pressure, CUSTODIA® should not be used for Botrytis control particularly at critical timings such as 80 -100% capfall and pre-harvest. This use is subject to a CropLife Fungicide Resistance Management Strategy: Apply CUSTODIA® preventatively. DO NOT apply more than two sprays per season of CUSTODIA® or any other Group 11 fungicide. If three or fewer Botrytis sprays are applied in a season, use no more than one spray of CUSTODIA® during the season. If four or more Botrytis sprays are to be applied in a season, up to two CUSTODIA® sprays can be applied per season. |

H = harvest

Table 2. Barley and Wheat

| CROP | DISEASE | APPLICATION | RATE / ha | WHP | CRITICAL COMMENTS |
|--------|---|--|--|------------------------|---|
| Barley | Scald | Ground Application: Apply in at least 50 L of water/ha | 315 mL | H 6 weeks G 21 days | Apply when conditions favour disease development and preferably prior to the development of high levels of disease in the crop. Aim to apply from late tillering to early jointing if disease is present or conditions favour disease development. Regularly monitor the crop from 3-4 weeks after application for signs of reinfection. |
| | Leaf rust, Powdery mildew | Aerial Application: Apply in at least 10 L of water/ha | 315 mL or 630 mL | | Apply when conditions favour disease development and preferably prior to the development of high levels of disease in the crop. Aim to apply from late tillering to early jointing if disease is present or conditions favour disease development. Regularly monitor the crop for 3-4 weeks after application for signs of reinfection. Use higher rate when longer disease control is required. |
| | Net blotch (suppression only) | | Apply when conditions favour disease development and prior to development of high disease levels in the crop. Aim to apply between stem elongation and early head emergence. Regularly monitor the crop for 3-4 weeks post application. Repeat spraying may be required, particularly if infection occurs early. For repeat spraying, apply no more than twice per season at the lower rate. Use the high rate under higher disease pressure and when longer residual control is required. | | |
| Wheat | Leaf Rust, Septoria Nodorum Blotch, Stripe Rust, Yellow Leaf Spot | | | | Apply when conditions favour disease development or if more than 5% of stems become infected between full flag leaf emergence to late flowering. Apply preferably prior to development of high disease levels in the crop. Regularly monitor the crop after application for signs of reinfection. Where Stem Rust is the major disease yield responses are usually optimised by delaying application until full head emergence and using the higher rate. In severe cases, if a majority of stems are infected prior to full head emergence, apply at 315 mL/ha as soon as possible. If required, apply 315 mL/ha again after 3 weeks when heads are fully emerged. |
| | Septoria Tritici Blotch | | | | |
| | Stem Rust | | | | |

H = harvest, G = grazing

Table 3. Peanuts

| CROP | DISEASE | RATE / ha | WHP | CRITICAL COMMENTS |
|----------------------------------|---|---|------------------------|---|
| Peanuts (South Qld, NSW only) | Early Leaf Spot, Late Leaf Spot, Rust, Net Blotch | Low rate 380 mL Medium rate 630 mL High rate 950 mL | H 3 weeks G 3 weeks | Regularly monitor crops and apply 1 - 2 applications of CUSTODIA® from first flowering and before disease is present or when there are low levels of disease in the crop. Use a 10-14 day interval between the first two applications, with the shorter interval recommended when conditions are conducive to disease infection. Ground application: apply in at least 100 L of water per hectare. Aerial application: apply at least 30 L of spray mixture per hectare. Rate selection Low rate - apply under conditions of low disease. Medium rate - apply prior to or following wet weather. High rate – apply where low disease is present prior to or immediately following wet weather. Resistance Management DO NOT apply more than three (3) CUSTODIA® applications per crop. DO NOT apply more than 1/3 of the total fungicide sprays per crop as CUSTODIA®. DO NOT apply more than two consecutive applications of CUSTODIA®. If two consecutive CUSTODIA® applications are applied to a crop, they must be followed by at least two applications from an alternative chemical group. Refer to the resistance management guidelines for peanuts in the Fungicide Resistance Warning section of the General Instructions. |
| Peanuts (North Qld, WA, NT only) | Early Leaf Spot, Late Leaf Spot, Rust | Low rate 500 mL Medium rate 630 mL High rate 950 mL | | Begin spraying 3 - 4 weeks after planting. Adjust the rate according to the rate per sprayed hectare if band spraying. DO NOT band spray after 6 weeks from planting. Repeat applications at 10 - 14 day intervals, using the shorter interval when conditions are conducive to disease such as prolonged wet weather. Ground application: apply in at least 100 L of water per hectare. Aerial application: apply at least 30 L of spray mixture per hectare. Rate selection Low rate - apply under conditions of low disease. Medium rate - apply prior to or following wet weather. High rate – apply where low disease is present prior to or immediately following wet weather. Resistance Management DO NOT apply more than three (3) CUSTODIA® applications per crop. DO NOT apply more than 1/3 of the total fungicide sprays per crop as CUSTODIA®. DO NOT apply more than two consecutive applications of CUSTODIA®. If two consecutive CUSTODIA® applications are applied to a crop, they must be followed by at least two applications from an alternative chemical group. Refer to the resistance management guidelines for peanuts in the Fungicide Resistance Warning section of the General Instructions. |
| | Net Blotch | Medium rate 630 mL High rate 950 mL | | Regularly monitor crops and apply 1 - 2 applications of CUSTODIA® before disease is present or when there are low levels of disease in the crop. Apply at 14 day intervals. If prolonged cool moist weather occurs, shorten spray interval to 10 days and use the higher rate. Ground application: apply in at least 100 L of water per hectare. Aerial application: apply at least 30 L of spray mixture per hectare. Resistance Management DO NOT apply more than three (3) CUSTODIA® applications per crop. DO NOT apply more than 1/3 of the total fungicide sprays per crop as CUSTODIA®. DO NOT apply more than two consecutive applications of CUSTODIA®. If two consecutive CUSTODIA® applications are applied to a crop, they must be followed by at least two applications from an alternative chemical group. Refer to the resistance management guidelines for peanuts in the Fungicide Resistance Warning section of the General Instructions. |

H = harvest, G = grazing

Table 4. Almonds

| DISEASE | RATE | WHP | CRITICAL COMMENTS |
|--|--|-----------|--|
| Brown rot / Blossom blight (<i>Monilinia laxa</i>), Shot-hole (<i>Wilsonomyces carpophilus</i>), Rust (<i>Tranzschelia discolor</i>) | Dilute spraying: 60 mL/100 L Concentrate spraying: 1 L/ha | H 4 weeks | Application rate and spray volume: Use the 60 mL/100 L rate in up to 1600 litres/ha water. If using higher application volumes, dilute accordingly. Do not exceed a total use rate of 1 L per ha. Brown rot / Blossom blight and Shothole: Brown rot/ blossom blight and shothole should be managed from budswell using a season-long spray program including fungicides from different mode of action groups. Apply CUSTODIA® from early (10%) bloom. Subsequent applications of CUSTODIA® and other mode of action fungicides should be applied on a 7 - 14 day interval, targeting key growth stages including full bloom, petal fall and shuck fall. Post-shuck fall, apply fungicides registered for control of shothole such as CAVALRY® WEATHERGUARD on 14 day spray intervals. Rust: Apply up to two applications of CUSTODIA® per season as part of a disease management spray program. Commence applications for rust from late flowering and/or when the first new leaves emerge. Apply CUSTODIA® prior to disease development and in rotation with fungicides from other mode of action groups on a 10 - 14 day spray interval. This use is subject to a CropLife Fungicide Resistance Management Strategy: Apply CUSTODIA® as per of a season long spray program incorporating fungicides from other mode of action groups. DO NOT apply more than two sprays of Group 11 fungicides per season including CUSTODIA®. DO NOT apply more than four sprays of Group 3 fungicides per season including CUSTODIA®. DO NOT apply more than two consecutive applications of products containing Group 3 fungicides. |

H = harvest

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

WITHHOLDING PERIODS

- GRAPEVINES:** DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.
- CEREALS:** DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION. DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION.
- PEANUTS:** DO NOT HARVEST FOR 21 DAYS AFTER APPLICATION. DO NOT GRAZE OR CUT FOR STOCK FOOD FOR 21 DAYS AFTER APPLICATION.
- ALMONDS:** DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION.

TRADE ADVICE

- CEREALS:** EXPORT SLAUGHTER INTERVAL: DO NOT SLAUGHTER ANIMALS DESTINED FOR EXPORT WITHIN 7 DAYS OF CONSUMPTION OF TREATED CEREAL FORAGE OR STRAW.
- PEANUTS:** EXPORT SLAUGHTER INTERVAL: DO NOT SLAUGHTER ANIMALS DESTINED FOR EXPORT WITHIN 7 DAYS OF CONSUMPTION OF TREATED PEANUT FORAGE OR FODDER

GENERAL INSTRUCTIONS

FOLIAR DISEASES ON CEREAL CROPS

DO NOT apply to cereal crops more than once per season (630 mL/ha rate) or more than twice per season (315 mL/ha rate). Treatment will give approximately three weeks disease suppression. Economic responses may not be gained by spraying crops past flowering stage. The effects of fungicide application will not be clearly seen for 7 - 10 days after application.

Peanuts

Disease control may be reduced if strains of pathogens less sensitive to CUSTODIA® develop. The following guidelines apply when using CUSTODIA® in peanuts:

- DO NOT use CUSTODIA® curatively.
- DO NOT apply more than three applications of CUSTODIA® per crop.
- DO NOT apply more than 1/3 of the total number of fungicide applications per crop as CUSTODIA®. For example, if the total number of fungicides applied to the crop is 6, DO NOT apply more than 2 applications of CUSTODIA® to the crop.
- DO NOT apply more than 2 consecutive applications of CUSTODIA®.
- If two consecutive CUSTODIA® applications are applied to a crop, they must be followed by at least two applications from an alternative chemical group.
- DO NOT apply more than 5 DMI sprays per season. CUSTODIA® contains a DMI fungicide and should be included in the total number of DMI sprays.

MIXING

Prior to pouring, shake container vigorously, then add the required quantity of CUSTODIA® to water in the spray vat while stirring or with agitators in motion. Rinse the empty container with water and add rinsings to spray tank.

APPLICATION

Apply a medium spray quality by both aerial application (cereal crops and peanuts only) and ground equipment. Aircraft should fly as low as possible under the prevailing conditions to minimise drift. Aerial application MUST BE carried out with closed mixing/loading. Airblast application must be carried out with enclosed cab equipment.

Foliar applications for Botrytis, Powdery and Downy Mildew in Grapevines and diseases in Almonds

Dilute Spraying

Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop canopy size being sprayed. Set up and operate the sprayer to achieve even coverage throughout the 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 the amount of product specified in the Directions for Use table for each 100 L of water and modify the concentration of CUSTODIA® in the spray solutions according to the following guidelines:

1. Grapevines: If greater than 1000 L/ha is required to achieve the point of run-off, adjust the amount of product added for each 100 L of water to ensure that no more than 1.0 L/ha product is applied.

2. Almonds: If greater than 1600 L/ha is required to achieve the point of run-off, adjust the amount of product added for each 100 L of water to ensure that no more than 1.0 L/ha product is applied. The required dilute spray volume will change, and 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 the 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 mixing rate. The mixing rate for concentrate can then be calculated in the following way:

EXAMPLE ONLY

1. Dilute spray volume as determined above: For example 1000 L/ha.
2. Your chosen concentrate spray volume: For example 500 L/ha.
3. The concentration factor in this example is: 2x (i.e. $1000 \text{ L} \div 500 \text{ L} = 2$).
4. If the dilute label rate is 100 mL/100 L, then the concentrate rate becomes 2 x 100, that is 200 mL/100 L of concentrate spraying.

The chosen spray volume, amount of product per 100 L of water, and the sprayer set up and operation may need to be changed as the crop grows.

DO NOT use a concentrate rate higher than that specified in the Critical Comments. For further information on concentrate spraying, users are advised to consult relevant industry guidelines, undertake appropriate competency training and follow industry Best Practices.

Peanuts

Ground application: apply in spray volumes ranging from 100 - 500 L/ha. Use of hollow cone or flat fan nozzles is recommended.

Aerial application: apply a minimum of 30 L/ha spray volume. Use a higher spray volume of 60 L/ha when applying to dense crops.

FUNGICIDE RESISTANCE WARNING

CUSTODIA® is a member of the DMI and quinone outside inhibitors (QoIs) group of fungicides. For fungicide resistance management the product is both a Group 3 and a Group 11 fungicide. Some naturally occurring individual fungi resistant to CUSTODIA® and other Group 3 and/or Group 11 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product and other Group 3 and/or Group 11 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, Adama Australia accepts no liability for any losses that may result from failure of CUSTODIA® to control resistant fungi.

WARNING

- CUSTODIA® is extremely phytotoxic to certain apple varieties. Extreme care must be used to prevent injury to apple trees.
- AVOID SPRAY DRIFT. DO NOT spray CUSTODIA® where spray drift may reach apple trees.
- DO NOT spray when conditions favour drift beyond the area intended for application. Conditions that may contribute to drift include thermal inversions, excessive wind speed, certain sprayer nozzle/pressure combinations, small spray droplet size etc.
- DO NOT use spray equipment to spray apple trees that has been previously used to apply CUSTODIA®. Even trace amounts can cause unacceptable phytotoxicity.

RE-ENTRY PERIOD

DO NOT enter treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product 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 or product.

1000 L

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. 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 then the integrity of this product cannot be assured. If this occurs Adama Australia should be advised immediately. This minibulk/bulk container is reusable and remains the property of Adama Australia. DO NOT rinse empty container. Empty contents fully into application equipment. Close all valves and return to the point of supply for refill or storage. No other liquid, solid or pesticide product should be put into it. When empty return to Adama Australia for cleaning, relabelling and refilling.

SAFETY DIRECTIONS

Harmful if swallowed. May irritate the eyes. Avoid contact with eyes. When opening the container, preparing and using the product, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow-length chemical resistant gloves. When opening the container and preparing the product for aerial spraying equipment, wear cotton overalls over normal clothing, buttoned to the neck and wrist and elbow-length chemical resistant gloves. When preparing the product and using the prepared product for airblast equipment, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbowlength chemical resistant gloves. Wash hands after use. After each day's use, wash gloves and contaminated clothing. The above Safety Directions should be combined with the following engineering controls:

- Aerial application MUST BE carried out with closed mixing/loading.
- Airblast application MUST BE carried out with enclosed cab equipment.

FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.

SDS

Additional information is listed in the safety data sheet (SDS). A safety data sheet for CUSTODIA® 320 SC Fungicide is available from adama.com or call Customer Service on 1800 423 262.

CONDITIONS OF SALE: The use of CUSTODIA® 320 SC Fungicide being beyond the control of the manufacturer, no warranty expressed or implied is given by Adama Australia, regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and Adama Australia accepts no responsibility for any consequence whatsoever from the use of this product.

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