


CUSTODIA[®] 320 SC

Reg. no. L9342 Act/Wet no. 36 of/van 1947
N-AR 1401; W130925

READ THE LABEL BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP	11 & 3	FUNGICIDE
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<p>A suspension concentrate fungicide with systemic, translaminar and contact action for the control of diseases (as indicated) in barley, black wattle, grain sorghum, maize, sweet corn, soybeans, wine grapes and wheat.</p>	<p>'n Suspensiekonsentraat swamdoder met sistemiese, translaminêre en kontakaksie vir die beheer van siektes (soos aangedui) in gars, graansorghum, koring, mielies, suikermielies, sojabone, swartwattel en wyndruiwe.</p>
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 <p>WARNING</p>	<p>Hazard statements Harmful if swallowed. Suspected of damaging fertility or the unborn child. Very toxic to aquatic life with long lasting effects.</p> <p>Precautionary statements Avoid release to the environment. Collect spillage.</p>
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ACTIVE INGREDIENTS/AKTIEWE BESTANDDELE

azoxystrobin (strobilurin).....	120 g/L asoksiestroben (strobilurien)
tebuconazole (triazole)	200 g/Ltebukonasool (triasool)

NET VOLUME/NETTO VOLUME

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REGISTRATION HOLDER/REGISTRASIEHOUER
ADAMA South Africa (Pty) Ltd; Reg. no. 1992/001741/07
Ground Floor, Simeka House
The Vineyard Office Estate, 99 Jip de Jager Drive
Belville, 7530
T: +27 21 982 1460, infocpt@adama.com

UN no.: 3082
EMERGENCY NUMBERS:
Griffon Poison Information Centre: +27 82 446 8946
Tygerberg Poison Information Centre: +27 861 555 777

Batch number

Date of Manufacture

Expiry date

Lotnommer

Datum van Vervaardiging

Vervaldatum

WARNINGS

- Harmful if swallowed.
- Suspected of damaging fertility or the unborn child.
- Very toxic to aquatic life with long lasting effects.

Withholding periods (minimum number of days between last application and harvest or feeding):

Barley	77 days
Grain sorghum	60 days
Maize and sweet corn	56 days
Soybeans	60 days
Wheat	70 days
Wine grapes	28 days

Note: The local maximum residue levels (MRLs) will not be exceeded if **CUSTODIA® 320 SC** is used according to the label instructions. However, ADAMA South Africa (Pty.) Ltd. cannot be held responsible if export MRLs are exceeded. Consult the local export bodies regarding application timing, withholding periods and specific tolerances of countries to which produce will be exported.

- Handle with care.
- Harmful to animals.
- Store in a cool, dry place away from food and feed.
- Re-entry: Do not enter treated area until spray deposit has dried off.
- Aerial application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

Although this remedy has been tested extensively under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions. The action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of the dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to humans or animals or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

- Keep out of reach of children.
 - Obtain, read and follow all safety instructions before reuse.
 - Do not eat, drink or smoke when using this product.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - If exposed or concerned get medical advice.
 - Wash face, hands and any exposed skin thoroughly after handling.
 - Avoid release to the environment.
 - IF SWALLOWED: Rinse mouth. Get medical help.
 - Collect spillage.
 - Store locked up.
 - Dispose of contents/ container to an approved waste disposal plant.
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- Do not inhale fumes or spray mist.
 - Avoid prolonged contact with skin and eyes. If eyes are contacted, flush out at once with clean, cold running water. If skin is contacted, wash immediately with cold water and soap.
 - Wash contaminated clothing daily.
 - Clean spray equipment after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
 - Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container.
 - Destroy the empty container by perforation and never use for any other purpose.
 - Avoid drift of spray mist to other crops, grazing, rivers, dams and areas not under treatment.
 - Prevent contamination of food, feed, drinking water and eating utensils.

RELEVANT SUBSTANCES

Chemical name	w/w %	CAS no.
Tebuconazole	10 – 30%	107534-96-3
Azoxystrobin	10 – 30%	131860-33-8

FIRST AID

In case of accident or unwellness, seek medical advice immediately. Provide this label and SDS to medical personnel for treatment. Emergency personnel should wear protective clothing appropriate to the type and degree of contamination.

Immediately remove contaminated clothing and remove the affected person from the contamination area. Keep the person warm, calm and covered up. First Aid personnel should pay attention to their own safety.

Take the container label or product name with you when seeking medical attention.

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact: Remove all contaminated clothing and shoes. Rinse the skin immediately with plenty of water for 15 to 20 minutes under the safety shower. Consult a physician if necessary.

Inhalation: Immediately remove the affected victim from exposure to an area with fresh air. If breathing is difficult have qualified personnel administer oxygen. If breathing has stopped, administer artificial respiration. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician.

Ingestion: If conscious, rinse mouth thoroughly with water. Drink plenty of water. Never give anything by mouth to an unconscious or convulsing person. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomit, rinse mouth and administer more water. If symptoms persist, call a physician.

TOXICOLOGICAL INFORMATION

Antidotes

None known. Treat symptomatically.

Symptoms of human poisoning

None known.

NOTICE TO THE USER: This agricultural remedy is to be used only according to the directions of this label. It is an offense under the Act to use this product inconsistent with the directions on the label.

RESISTANCE WARNING

For resistance management, **CUSTODIA® 320 SC** is a group code 3 and 11 fungicide. Any fungus population may contain individuals naturally resistant to **CUSTODIA® 320 SC** and other group code 3 and 11 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **CUSTODIA® 320 SC** or any other group code 3 and 11 fungicide. To delay fungicide resistance:

- Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank-mix with products from different fungicide group codes.
- Integrate the control methods (chemical, cultural, biological) into fungicide control programmes.

For specific information on resistance management contact the registration holder of this product.

MODE OF ACTION

- 11: Respiration: C3 – complex III: cytochrome bc1 (ubiquinol oxidase) at Qo site (*cyt b gene*) – Quinone outside Inhibitors
- 3: Sterol biosynthesis in membranes: G1 – C14 demethylase in sterol biosynthesis – DMI-fungicides (DeMethylation Inhibitors)

USE RESTRICTIONS

Maize applications: The risk of Arrested Ear Syndrome (Blunt Ear Syndrome) increases dramatically when any applications (crop protection products, fertilisers, foliar feeds, adjuvants, etc) are made between the V10 – VT (10th leaf collar – cob tassel emergence) growth stages of maize plants. Applications between the V10 – VT growth stages of the crop must be avoided as far as possible.

DIRECTIONS FOR USE

Use only as indicated.

COMPATIBILITY

The compatibility of **CUSTODIA® 320 SC** with fungicides or insecticides has not been evaluated.

MIXING INSTRUCTIONS

Half fill the spray tank with water. Add the required volume of **CUSTODIA® 320 SC** to a small amount of water, mix thoroughly and add it to the spray tank while agitating. When tank-mixing **CUSTODIA® 320 SC** with other products, first mix these products separately with a small amount of water before adding it to the spray tank. Fill the spray tank with water while agitating continuously. Do not allow tank mixture to settle. Refer to the labels of the products with which **CUSTODIA® 320 SC** is to be tank-mixed and adhere to the label instructions.

APPLICATION

Ensure that the application equipment to be used is in a good working condition and correctly calibrated. Use the spray volumes as indicated to ensure good coverage.

Ground application

CUSTODIA® 320 SC can be applied with any suitable medium or high volume applicator, provided it is correctly calibrated, is fitted with an effective agitation mechanism and is able to distribute the spray material evenly over the target area. Apply in 300–400 l water per hectare. The use of flat fan nozzles is recommended.

Aerial application

Aerial application of **CUSTODIA® 320 SC** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS 10118 (*The aerial application of pesticides*). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 l/ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 25–35 droplets/cm² must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280–300 micron is recommended. Limit the production of fine droplets smaller than 150 micron (high drift and evaporation potential) to a minimum.
- Flight height: Maintain the height of the spray boom at 3–4 m above the target. Do not spray when the aircraft is diving, climbing or banking.
- Use suitable atomising equipment that will produce the desired droplet size and coverage, while ensuring the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60–75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers of a whirling hygrometer should not exceed 8 °C.
- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the hottest time of day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to:
 - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage); or
 - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.
- Obtain an assurance from the aerial spray operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

Effect of rain on application

Repeat the application should it rain within two hours after application.



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APPLICATION RATES

CROP AND DISEASE	DOSAGE	REMARKS
<p>Barley Net blotch (<i>Pyrenophora teres</i>) Leaf spot (blotch) (<i>Rhynchosporium secalis</i>)</p>	1 L/ha (ground and aerial application)	<p><u>Ground application</u>: Apply in 150–250 L water/ha.</p> <p><u>Aerial application</u>: Apply in at least 30 L water/ha.</p> <p>Apply at the first signs of disease, but preferably as early as possible to prevent a buildup of inoculum. Apply before flag leaf appearance.</p> <p>CUSTODIA® 320 SC should be applied as part of a disease control strategy, and should be alternated with other suitable fungicides.</p>
<p>Black wattle (<i>Acacia mearnsii</i>) Wattle rust (<i>Uromycladium spp.</i>)</p>	1 L/ha (ground and aerial application)	Apply at the first signs of the disease, in a water volume that would ensure sufficient coverage. Repeat application 21 days later, depending on the level of infection.
<p>Grain sorghum Brown rust (<i>Puccinia purpurea</i>) Northern leaf blight (<i>Exserohilum turcicum</i>) Sooty stripe (<i>Ramulispora sorghi</i>)</p>	1 L/ha (ground and aerial application)	<p><u>Ground application</u>: Apply in 300–400 L water/ha.</p> <p><u>Aerial application</u>: Apply in at least 30 L water/ha.</p> <p>Commence application when the disease symptoms are noticed on the leaves. Repeat the application 3 weeks later where necessary.</p>
<p>Maize and sweet corn Northern leaf blight (<i>Exserohilum turcicum</i>) Common brown rust (<i>Puccinia sorghi</i>) Phaeosphaeria leaf spot (<i>Phaeosphaeria maydis</i>) Sorghum downy mildew (<i>Sclerospora sorghi</i>) Grey leaf spot (<i>Cercospora zeae-maydis</i>)</p>	1 L/ha (ground and aerial application)	<p><u>Ground application</u>: Apply in 300–400 L water/ha.</p> <p><u>Aerial application</u>: Apply in at least 30 L water/ha.</p> <p>Commence application when the disease symptoms are noticed on the basal 3 to 5 leaves or before the infection level reaches 3% of the total leaf surface. Repeat the application 3 weeks later where necessary.</p> <p>Maize applications: The risk of Arrested Ear Syndrome (Blunt Ear Syndrome) increases dramatically when any applications (crop protection products, fertilisers, foliar feeds, adjuvants, etc) are made between the V10 – VT (10th leaf collar – cob tassel emergence) growth</p>



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CROP AND DISEASE	DOSAGE	REMARKS
		stages of maize plants. Applications between the V10 – VT growth stages of the crop must be avoided as far as possible.
Soybeans Soybean rust (<i>Phakopsora pachyrhizi</i>)	1 L/ha (ground and aerial application)	<u>Ground application:</u> Apply in 300–400 L water/ha. <u>Aerial application:</u> Apply in at least 30 L water/ha. Apply at first signs of the disease or at flowering. Repeat application 14–21 days later.
Wine grapes Powdery mildew (<i>Uncinula necator</i> , syn. <i>Erysiphe necator</i>)	100 ml/100 L	Apply CUSTODIA® 320 SC preventatively, starting with the first application at 2- to 5-cm shoot length. Repeat at an interval of 10 to 14 days. Note that visible residues could occur on the grape berries if CUSTODIA® 320 SC were to be applied after fruit set. Apply as a full cover spray in 250–1000 L water per hectare, depending on the development stage of the vines. CUSTODIA® 320 SC should be applied as part of a powdery mildew control strategy. Do not apply more than three CUSTODIA® 320 SC applications in total per season. Do not apply more than two consecutive CUSTODIA® 320 SC applications, preferably alternating with other suitable fungicides from different chemical groups for the purpose of resistance management. Do not apply CUSTODIA® 320 SC to grape vine cuttings in the nursery.



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CROP AND DISEASE	DOSAGE	REMARKS
<p>Wheat Glume blotch (<i>Septoria nodorum</i>) Powdery mildew (<i>Blumeria graminis</i>)</p>	<p>1 L/ha (ground and aerial application)</p>	<p><u>Ground application:</u> Apply in 150–250 L water/ha.</p> <p><u>Aerial application:</u> Apply in at least 30 L water/ha.</p> <p>Apply at the first signs of disease, but preferably as early as possible to prevent a buildup of inoculum. Apply before flag leaf appearance.</p> <p>Application during the period indicated will also control speckled leaf blotch (<i>S. tritici</i>), eye spot (<i>Pseudocercospora herpotrichoides</i>) and brown rust (<i>Puccinia triticina</i>).</p> <p>CUSTODIA® 320 SC should be applied as part of a disease control strategy, and should be alternated with other suitable fungicides.</p>