

RESTRICTED USE AGRICULTURAL REMEDY: THIS REMEDY IS RESTRICTED DUE TO ACUTE TOXICITY. THIS REMEDY MAY ONLY BE SOLD TO AND USED BY A REGISTERED PEST CONTROL OPERATOR, OR BY SOMEONE UNDER THE SUPERVISION OF A REGISTERED PEST CONTROL OPERATOR, AND ONLY FOR THOSE USES COVERED BY THE PEST CONTROL OPERATOR'S SCOPE OF REGISTRATION, AND ONLY AS DIRECTED ON THIS LABEL.

SPHINX® STAR WDG

Reg. no. L9084 Act/Wet 36 of/van 1947
N-AR 1395; W1301273

GROUP	40 & M5	FUNGICIDE
--------------	--------------------	------------------

A preventive and local systemic water dispersible granule fungicide for the control of late and early blight in potatoes and late blight and botrytis rot on tomatoes.	'n Voorkomende en lokaal sistemiese water-dispergeerbare korrelswamdoder vir die beheer van laatroes en vroeë roes op aartappels en laatroes en botrytisivrot in tamaties.
--	--

 DANGER	<p>Hazard statements Fatal if inhaled. May cause respiratory irritation. Suspected of causing cancer. May damage fertility or the unborn child. Very toxic to aquatic life with long lasting effects.</p> <p>Precautionary statements Wear protective gloves; protective clothing; eye protection and face protection. Avoid release to the environment.</p>
---	---

ACTIVE INGREDIENT/AKTIEWE BESTANDEEL

Dimethomorph (cinnamic acid derivative)	80 g/kg	Dimetomorf (kaneelsuurderivaat)
Chlorothalonil (phthalonitrile)	400 g/kg	Chlorotalonil (ftalonitriël)

NET MASS/NETTO MASSA

..... kg

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
 Bellville, 7530
 T: +27 21 982 1460
 infocpt@adama.com

IN CASE OF POISONING, CALL THE FOLLOWING NUMBERS:

Griffon Poison Information Centre:
 +27 82 446 8946 or
 Tygerberg Poison Information Centre:
 +27 861 555 777

EMERGENCY NUMBER:

SPILL TECH: +27 86 100 6366 or +27 83 253 6618

UN no.: 2588

Batch number
 Date of manufacture
 Expiry date

Lotnommer
 Datum van vervaardiging
 Vervaldatum



GHS information

WARNINGS

- Fatal if inhaled.
- May cause respiratory irritation.
- Suspected of causing cancer.
- May damage 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):

Potatoes	14 days
Tomatoes	3 days

- Handle with care.
- Could be harmful if swallowed.
- Store in a cool, dry place away from food and feed.
- Store away from sources of ignition (no smoking) and keep away from combustible material. Keep container closed when not in use.
- May cause sensitization by skin contact.
- **Re-entry:** Do not enter treated area until spray deposit has dried off.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be affected by factors such as abnormal climatic and storage conditions, quality of 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 breathe dust/fume/gas/mist/vapours/spray.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear protective gloves, protective clothing, respiratory protection and eye and face protection.

- If exposed, concerned or feel unwell get medical advice.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get emergency medical help immediately. Specific treatment is urgent (see supplemental first aid instructions on this label)
- Store locked up in a well-ventilated place. Keep container tightly closed.
- Collect spillage.
- Dispose of contents/ container to an approved waste disposal plant

- Avoid prolonged contact with skin and eyes.
- Wash exposed body parts with soap and cold water after use and wash contaminated clothes daily.
- Do not eat, drink or smoke while mixing, applying or before washing hands and face.
- Clean spray equipment after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Avoid drift of spray mist to other crops, grazing, rivers, dams and areas not under treatment.
- All empty cartons to be destroyed should be completely empty.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.

RELEVANT SUBSTANCES

Chemical name	w/w %	CAS no.
Chlorothalonil	30–60%	1897-45-6
Dimethomorph	<10%	110488-70-5
Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt	<10%	102980-04-1
Talc	10–30%	14807-96-6
Disodium maleate	<10%	371-47-1

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: Call a poison control center or medical practitioner immediately for treatment advice. 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 **SPHINX® STAR WDG** is classified as a mixture of FRAC group codes 40 and M5 fungicides. Any fungus population may contain individuals naturally resistant to **SPHINX STAR® WDG** and other group codes 40 and M5 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. These resistant fungi may not be controlled by **SPHINX® STAR WDG** or any other group codes 40 and M5 fungicides.

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.
- For tank mixing or alternation with products in other fungicide group codes, refer to applicable individual product labels.
- Integrate the control methods (chemical, cultural, biological) into disease control programmes.

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

MODE OF ACTION

40: Cellulose synthase inhibitor which affects cell wall biosynthesis.

M5: Multi-site contact activity.

RESTRICTED USE

Use only as indicated.

Compatibility

It is advisable to always carry out a physical compatibility test prior to application when **SPHINX® STAR WDG** is tank mixed with other pesticides.

SPHINX® STAR WDG is a combination fungicide consisting of dimethomorph and chlorothalonil, both with different modes of action. No cross resistance has been observed. Dimethomorph, a translaminar product with local systemic properties, disrupts fungal cell-wall formation, reduces reinfestation through its antispore activity and has also exhibited some curative activity. Chlorothalonil is a non-systemic foliar fungicide with protective action. However, **SPHINX® STAR WDG** is best applied as a prophylactic treatment.

Mixing instructions

Fill the spray tank with water up to three quarter level. Mix the required volume of **SPHINX® STAR WDG** with at least 10 L of water. Ensure that all the granules are dissolved before adding to the spray tank while agitating. When **SPHINX® STAR WDG** is tank mixed with other products, first mix these products separately with water before adding it to the spray tank. Refer to the labels of the products that will be tank mixed with **SPHINX® STAR WDG** and adhere to the label instructions. Fill the spray tank with water to the required level while continuously agitating. Do not allow tank mixture to settle or leave overnight.

Application

SPHINX® STAR WDG can be applied by means of any suitable medium or high-volume applicator provided it is calibrated correctly, has an efficient agitation system, and is able to distribute the spray mixture evenly over the target area.

Apply **SPHINX® STAR WDG** in a preventative spray programme. **SPHINX® STAR WDG** should be applied during the early part of the season when plants are actively growing and also to give protection to the flowering and fruit formation stages which are critical.

APPLICATION RATES

CROP AND TARGET	DOSAGE	REMARKS
<p>Potatoes Late blight (<i>Phytophthora infestans</i>) Early blight (<i>Alternaria solani</i>)</p>	2 kg/ha	Apply SPHINX® STAR WDG as a <u>preventative treatment</u> every 10–14 days, as part of a disease management strategy. Start application early, before any symptoms appear or when weather conditions that are conducive to infection are predicted. When conditions favour development of late blight, reduce application intervals to 7–10 days. Apply as a high-volume application in at least 500 L water/ha, depending on plant size. Apply at least 3 times during the season.
<p>Tomatoes Late blight (<i>Phytophthora infestans</i>) Botrytis rot (<i>Botrytis cinerea</i>)</p>	1 kg/ha	Apply SPHINX® STAR WDG as a <u>preventative treatment</u> every 10–14 days. Start application at the beginning of flowering, before any symptoms appear. Spray at least 4 times during the season. When conditions favour development of late blight, reduce application intervals to 7–10 days. Apply as high volume application in 500 to 1 500 L water/ha, depending on plant size or whether plants are trellised or not. Ensure adequate coverage of the plants. When botrytis rot threatens apply at 7-day intervals.