

Agri
NOVAGENIX
CYBORG

Reg. No. / Nr L11996 Act No. 36 of 1947 / Wet Nr 36 van 1947

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

GROUP

27

FUNGICIDE

A suspension concentrate fungicide for the control of diseases in the crops as indicated.

'n Suspensie konsentraat swamdoder vir die beheer van siektes in gewasse soos aangedui.

WARNING



In case of poisoning, call the following numbers:

Poisons Information Helpline: +27 861 555 777

EMERGENCY NUMBER: +27 82 446 8946

Hazard statements

Causes mild skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.

Precautionary statements

IF ON SKIN: Wash with plenty of water and soap.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Active Ingredient / Aktiewe Bestanddeel

Cymoxanil..... contains 300 g a.i. per l..... Simoksanil
(ethyl urea) (etielurea)

Net volume l Netto volume

Batch No./Date manufactured/Expiry date: Refer to details printed on container.
UN No. / VN Nr. 3082

REGISTRATION HOLDER / REGISTRASIEHOUER:

Novagen Innovations (Pty) Ltd / (Edms) Bpk t/a Agri Novagenix

Reg. No. 2020/891524/07

6 Antwerp Street, Apex, Benoni, 1540, South Africa / Suid-Afrika



WARNINGS

- GHS Hazard statements

- Causes mild skin irritation.
- May cause an allergic skin reaction.
- Causes serious eye irritation.
- Suspected of damaging fertility or the unborn child.
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.

Allow the following number of days between the last treatment and harvest or use as food or feed:

Table grapes.....	21 days*
Wine grapes (in tank mixture with Foltac Flo)	14 days
Wine grapes (in tank mixture with dithianon 700 WG)	21 days
Potatoes.	14 days

***For applications of CYBORG on table grapes, consideration must be given to the manufacturer's recommended withholding period for tank mix partners.**

IMPORTANT: The recommended withholding period between the last application and harvest meets local residue requirement but may not meet export requirements. However, it is important to note that import tolerances of other countries might potentially be exceeded. If the treated crop will be exported, first consult the relevant importer or exporting body regarding the use of this product, MRL's and recommended withholding periods.

- **Re-entry:** Do not enter treated area within 1 day after treatment unless wearing protective clothing.
- **CYBORG** has been tested on some of the most important commercial cultivars without any phytotoxic effects. More susceptible cultivars may be released in the future which will need to be tested. For this, apply **CYBORG** to a limited test area before any commercial applications are made.
- **In case of poisoning immediately call a physician and make this label available to him/her.**

DISCLAIMER

Although this remedy has been 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 soil, 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 man, or animal, or for lack of performance of the remedy concerned, due 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

- GHS Precautionary statements

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read carefully and follow all instructions.
- Obtain, read and follow all safety instructions before use.
- Do not breathe dust/fumes/gas/mist/vapours/spray.
- Wash hands thoroughly after handling. Do not touch eyes.
- Contaminated work clothing should not be allowed out of the workplace.

- Avoid release to the environment.
- Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- IF ON SKIN: Wash with plenty of water and soap.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If exposed or concerned, get medical advice.
- Specific treatment (see First Aid Measures on this label).
- If skin irritation or rash occurs: Get medical help.
- If eye irritation persists: Get medical help.
- Take off contaminated clothing and wash it before reuse.
- Collect spillage.
- Store locked up.
- Dispose of contents/container in accordance with national regulations.

- **OPERATOR PROTECTION**

- Handle with care.
- Do not inhale spray mist or fumes.
- Avoid contact with skin and eyes by wearing protective clothing when mixing the product.
- Wear protective gloves, protective clothing, eye protection and face protection.
- Should eye contact occur, flush the eyes with plenty of clean water for 15 minutes holding eyelids open. Remove contact lenses after 1-2 minutes of irrigation. **Seek medical attention.**
- Wash with soap and water after use and accidental skin contact.
- Wash contaminated clothing after use.
- Do not eat, drink, or smoke while mixing or applying the product or before washing hands and face.

- **ENVIRONMENTAL PROTECTION**

- Do not contaminate dams, rivers, lakes, or any other water sources.
- Avoid drift of spray onto other crops, grazing, rivers, dams, and areas not under treatment.
- Clean the applicator with clean water directly after use. Dispose of the rinsate where it will not contaminate crops, grazing, rivers, dams, and boreholes.

- **STORAGE AND DISPOSAL**

- Store under lock and key in the original container in a cool, dry place out of direct sunlight.
- Store away from food, feed, fertilizer, and seed.
- **KEEP OUT OF SIGHT AND REACH OF CHILDREN**, uninformed persons, untrained personnel, unauthorised personnel and animals.
- Do not allow access to this product by children, uninformed persons, untrained personnel, unauthorised personnel, or animals under any circumstances.
- Use only containers approved specifically for this product.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Containers and packages must be completely emptied before disposal.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter, rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Destroy the triple rinsed container by perforation and flattening and do not use for any other purpose. Store appropriately until it can be disposed of via an approved collector or recycler authorised to recycle or destroy waste in terms of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) and the relevant waste management regulations. Empty containers and product should not be burnt. Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

RELEVANT SUBSTANCES

Hazardous Ingredients	Concentration (w/v)
Cymoxanil	30%
Ethylene glycol	>1 - <10%
Sulfonated aromatic polymer, sodium salt	>1 - <10%

FIRST AID TREATMENT

If medical advice is needed, have product container or label at hand. Provide medical personnel with the product container, label or safety data sheet (SDS) when seeking medical attention.

General Information: Remove patient from exposed area. Never give fluids or induce vomiting if the patient is unconscious or is having convulsions. Never give anything by mouth to an unconscious person. Consult a physician. First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Inhalation: Remove the patient from the source of contamination to fresh air. If breathing has stopped, perform artificial respiration and administer oxygen. Avoid mouth-to-mouth resuscitation. Keep person warm and at rest. **Seek medical attention immediately.**

Skin contact: Remove contaminated clothing and shoes immediately. Gently wipe off excess chemical. Wash skin gently and thoroughly with non-abrasive soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15 to 20 minutes). **Seek medical attention immediately.**

Eye contact: Flush eyes immediately with large amounts of gently flowing cold water or normal saline solution, occasionally lifting upper and lower lids, until no evidence of chemical remains (approximately 15 to 20 minutes). **Seek medical attention immediately.**

Ingestion: Have victim rinse mouth thoroughly with water if the patient is alert and able. Do not induce vomiting. If the person is alert and respiration is not depressed, give large quantity of water to drink. Never give anything by mouth to an unconscious person. Establish and maintain airway. If vomiting occurs, keep the patients head lower than the hips to prevent aspiration. **Seek medical attention immediately.**

No specific antidote known. Treat symptomatically and supportively. For further information on the treatment of poisoning refer to the product Safety Data Sheet provided.

RESISTANCE MANAGEMENT WARNING STATEMENT

For resistance management, **CYBORG** is a group code 27 fungicide. Any disease population may contain individuals naturally resistant to **CYBORG** and other group code 27 fungicides. These resistant individuals can eventually dominate the disease population if these fungicides are used repeatedly. These resistant diseases may not be controlled by **CYBORG** or any other group code 27 fungicide.

To delay fungicide resistance:

- Avoid the exclusive repeated use of fungicides from the same fungicide group code. Alternate, or tank mix, with registered products from different fungicide group codes.
- A spray programme of mixtures or alternations with remedies with a different mode of action may delay resistant strain build-up.
- Integrate other control methods (such as chemical, cultural, biological) into disease control programmes.
- The choice of products to be used during one growing season should take the resistance strategy into consideration.

- Refer to the individual product labels when alternating products or when using tank mixtures with registered products.
- Refer to the Fungicide Resistance Action Committee for information regarding resistance management of group 27 fungicides at <https://www.frac.info/> for more information.

As the occurrence of resistance cannot be forecast, users are advised to keep all treated crops under close observation. If the treatment is not effective following the use of **CYBORG** as recommended, a resistant strain may be present. If a resistant strain is positively identified, consideration should be given to the prompt use of a fungicide with a different mode of action against which no record of resistance to the relevant disease exists. For specific information on resistance management contact the registration holder of this product.

The presence of resistant strains is difficult to detect prior to use and therefore neither the Registration Holder nor the Distributor can accept responsibility for any losses as a result of **CYBORG** not controlling resistant strains. Do not apply **CYBORG** alone in situations where disease resistance has been confirmed. Sub-standard application of **CYBORG** or other group code 27 fungicides will lead to inferior disease control and may assist in the development of fungicide resistance.

MODE OF ACTION

Cymoxanil is a foliar fungicide with protective and curative action. Cymoxanil has contact and local systemic activity and also inhibits sporulation. Cymoxanil rapidly penetrates into plant tissue.

DIRECTIONS FOR USE - Use only as directed.

NOTICE TO USER: This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under Act No. 36 of 1947 to use this agricultural remedy for any purpose in a manner contrary to the directions on the label.

COMPATIBILITY

The compatibility of **CYBORG** with other products depends on the formulations of the respective products as well as the quality of the spray water to be used. As formulations change from time to time it is recommended that a physical compatibility test be done prior to the tank mixture being made. **CYBORG** is compatible with registered dithianon 700 g/kg WG, registered chlorothalonil 720 g/l SC and Foltac Flo (L11743). **CYBORG** is compatible with most agricultural remedies normally used on the crops listed below. All WARNINGS, PRECAUTIONS, USE RESTRICTIONS and DIRECTIONS FOR USE on the product labels must be fully adhered to. Consult the relevant labels for full details.

CYBORG should not be mixed with products other than those specifically listed in this label.

Do not tank mix **CYBORG** with products that have an alkaline reaction.

USE RESTRICTIONS

- Should rain or irrigation occur within two hours following application, the application must be repeated.
- The uptake and activity of systemic compounds can be reduced if crops are under severe drought and/or nutrient stress conditions. Therefore, do not apply **CYBORG** under such conditions.
- Spray programmes with **CYBORG** should commence before disease/s become established.
- Do not apply **CYBORG** to any situation not mentioned in this instruction leaflet.
- Only apply **CYBORG** using an accurate and safe application technique.
- If **CYBORG** is used in a tank mix with other recommended products, consideration should be given to the restrictions of those respective products.
- Do not apply this product in combination or tank mixture with any other product or agricultural remedy which is not specifically listed on this label. Novagen Innovations (Pty) Ltd t/a Agri Novagenix accepts no responsibility for any negative effects experienced if the instructions on this label are not adhered to, unless an Agri Novagenix representative was consulted beforehand.

- By buying this product, the buyer undertakes that the user is fully aware of and suitably trained on the hazards associated with the preparation and use of this product. By selecting this product voluntarily, the user assumes responsibility for his or her own personal protection whilst storing, mixing, and applying the product in the approved manner according to the instructions for use. The user also confirms to have consulted the SDS of this product and he/she is aware of the potential health hazards which could arise out of use and misuse of this product. Users are encouraged to keep records of all procedures followed and which personal protection equipment was used at all times. All personal protection equipment used must be kept clean and in good working order according to the manufacturer's specifications. Novagen Innovations (Pty) Ltd t/a Agri Novagenix accepts no responsibility for any adverse effects experienced if the instructions on this label are not adhered to or resulting from improper use of this product or the use of unsuitable personal protection equipment. The user has selected to use this product at his/her own free will and risk.

MIXING INSTRUCTIONS

Shake the container thoroughly before opening. Half-fill the spray tank with clean, suitable water. While agitating, add the recommended amount of **CYBORG** to the spray water. Fill the spray tank to the required volume with suitable water while maintaining agitation. Do not use brackish water. Should tank mixtures with other products be made, follow the respective manufacturer's label recommendations. Small quantities of the products must first be made separately with water. Observe the following formulation mixing sequence if other products will be tank mixed with **CYBORG**: buffer/acidifier; wettable powder or granules, suspension concentrate, emulsifiable concentrate, wetters. Where wettable powder formulations are used in combination with **CYBORG**, a slurry should first be made with the powder and some water, mixed into the spray tank and, finally, the **CYBORG** can be added. Check for any signs of incompatibility such as flocculation. **Ensure thorough agitation of the mixture in the tank during mixing and application. Tank mixtures must be sprayed out immediately and not permitted to stand in the spray tank.** If the spraying application is interrupted, the spray mixture in the tank must be properly agitated before the spraying operation commences. The spraying equipment must be thoroughly flushed out at the end of the spraying operation. Ensure that spray premixes and/or final spray mixtures are kept out of reach of children, uninformed persons, untrained personnel, unauthorised personnel and animals.

APPLICATION METHODS

The spray equipment must be accurately calibrated prior to and during the application of **CYBORG**. Ensure full and even coverage of all plant parts and use only clean, suitable water for application.

GROUND APPLICATION

Ensure that the equipment is correctly calibrated and is checked regularly during the application to ensure even and accurate application. It is essential to ensure thorough, even wetting of all plant parts. **Constant agitation throughout the spray operation is essential.** Use only clean water.

APPLICATION RATES

CROP AND DISEASE	DOSAGE	REMARKS
Grapes: Table grapes and Wine grapes Downy mildew (<i>Plasmopara viticola</i>)	40 ml / 100 l water	Use the lower dose rate under conditions of low infection. Repeat at 10 to 14-day intervals.
	PLUS	Use at the higher rate when infection pressure increases.
	200 ml / 100l Foltac Flo	Under conditions of high infection pressure, reduce the spray interval to 7 - 10 days and apply at least two (2) consecutive applications.
	OR 55 g / 100 l water	

	registered dithianon 700 g/kg WG	Depending on the plant size, apply in 500 to 1500 litres of water per hectare. Add a suitably registered adjuvant, at the recommended rate, to the spray mixture. DO NOT SPRAY MORE THAN FIVE (5) APPLICATIONS PER SEASON. Read “Notes” below.
NOTES: • Apply in a programme and use sufficient spray mixture to obtain adequate coverage. • Do not use on table grapes after the pea size stage in mixture with products which will leave physical marks, stains or cause tarnishing on the berries. • Start with a preventative spray programme as soon as conditions are conducive to disease development. Apply during periods of active growth of the plant as a high volume, full cover application. • For tank mixes of CYBORG and registered dithianon 700 g/kg WG on table and wine grapes, 21 days should be allowed between the last application and harvest. • Some recommended tank mix partners of CYBORG are known to cause tarnishing or marking on berries of table grape varieties. Consideration should therefore be given to the manufacturer’s application restrictions for tank mix partners on table grapes. • Do not apply CYBORG in combination with Foltac Flo on table grapes after the pre-blossom stage.		
Potatoes Late blight (<i>Phytophthora infestans</i>)	600 ml/ha PLUS A suitable contact fungicide such as Foltac Flo at 2.0 l/ha OR registered chlorothalonil 720 g/l SC at its recommended dosage rate	Under conditions of low infection, apply every 10 to 14 days. Under conditions of higher disease pressure, reduce the spray interval to 7 to 10 days, and apply at least two (2) consecutive applications of CYBORG and the highest recommended rate of the selected tank mix partner. Apply during periods of active growth of the plant as a high volume, full cover spray. Depending on the plant size, apply in 300 to 1500 litres water per hectare. Apply in a programme and use sufficient spray mixture to obtain adequate coverage. Add a suitable registered adjuvant, such as H&R Crop Oil (L6802), at the recommended rate to the spray mixture, especially if rain is imminent. DO NOT SPRAY MORE THAN FIVE (5) APPLICATIONS PER SEASON. Refer to respective contact fungicide labels for further instructions and restrictions. Read “Notes” below.

NOTES:

- Start with a preventative spray programme as soon as conditions are conducive to disease development and at the first signs of disease. Apply during periods of active growth of the plant as a high volume, full cover application.
- Early blight (*Alternaria solani*) should be adequately controlled by the contact component added to the **CYBORG** mixture. In circumstances of high early blight pressure, consideration should be given to use of products with a greater effect on early blight.

ACKNOWLEDGEMENT OF TRADEMARKS

H&R Crop Oil (L6802)
Foltac Flo (L11743)

H&R South Africa Sales (Pty) Ltd
Novagen Innovations (Pty) Ltd t/a Agri Novagenix