



# **CROP GUARD<sup>®</sup> LABELS**

SEE ENCLOSED LEAFLET FOR FULL DETAILS • SIEN INGESLOTE PAMFLET VIR VOLLE  
BESONDERHEDE



REG. NO. L6864 (ACT NO. 36 of 1947)

REG. NO. L6864 (WET NO. 36 van 1947)

NATURAL PRODUCT  
OF SUGARCANE



A CONTACT EMULSIFIABLE CONCENTRATE NEMATICIDE FOR  
THE CONTROL OF NEMATODES ON CROPS AS INDICATED

'N KONTAK EMULGEERBARE KONSENTRAAT NEMATODEDODER (AALWURMDODER) VIR  
DIE BEHEER VAN NEMATODES OP GEWASSE SOOS AANGEDUI

REGISTERED AND FORMULATED BY:  
GEREGISTREER EN GEFORMULEER DEUR:

Active Ingredient: *Furfural (aldehyde) 900 g/l*  
Aktiewe Bestanddeel: *Furfural (aldehyd) 900 g/l*

UN No. 1199

ILLOVO SUGAR LIMITED  
Co. Reg. No. 1906/000622/06  
Mpy. Reg. No. 1906/000622/06

20 ℓ

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GIFTIG  
TOXIC



## Crop Guard®

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### A CONTACT EMULSIFIABLE CONCENTRATE NEMATICIDE FOR THE CONTROL OF NEMATODES ON CROPS AS INDICATED

### 'N KONTAK EMULGEERBARE KONSENTRAAT NEMATODEDODER (AALWURMDODER) VIR DIE BEHEER VAN NEMATODES OP GEWASSE SOOS AANGEDUI

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**ONLY SKULL with toxic/giftig**

#### WARNINGS

- Withholding period: Allow 14 days between last application and harvest of potatoes.
- Do not graze treated groundnut fields within 28 days of application.
- Handle with extreme care.
- Poisonous when swallowed or inhaled.
- Irritating to eyes and respiratory system.
- Harmful to skin.
- Store under lock and key in a cool dry place away from food and feedstuffs.
- Toxic to fish and other animals.
- Flammable – do not store near open flame.
- Keep out of reach of children, uninformed persons and animals.
- In case of poisoning take patient to a doctor and make this label available to him/her.

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 effected 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 pest to the remedy concerned as well as by the method, time and accuracy of application.

Irrespective of treatment rate, the persistency and nematicidal activity of this remedy is strongly influenced by factors beyond the manufacturer's control, such as monocropping, rotation with nematode susceptible crops, soil type and the amount of irrigation or rainfall and some nematode damage must be expected. When high infestations are present producers should not expect an absolutely clean crop and severe losses can occur. If abnormal cultural practices are followed, e.g. continuous planting of susceptible crops on the same land, or where high nematode levels are present, the use of CROP GUARD® is not recommended.

The Registration holder furthermore does not accept responsibility for damage to crops, vegetation, and the environment or harm to man or animals or for the 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 registration. Consult the supplier in the event of any uncertainty.

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## PRECAUTIONS

- Do not inhale spray mist and prevent contact with skin and eyes.
- Wash contaminated clothing daily.
- Wash with soap and cold water after application or accidental skin contact.
- Do not eat, drink or smoke during application or before washing hands and face.
- Avoid drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- Triple rinse empty containers with a volume of water equal to at least one tenth that of the container size and add the rinsing to the contents of the spray tank before disposing of the container in the prescribed manner.
- Destroy empty containers by perforation and flattening, and never use for any other purpose.
- Prevent contamination of foodstuffs; drinking water and eating utensils.

## SYMPTOMS OF HUMAN POISONING

- Ingestion: sore throat, abdominal pain, vomiting
- Skin: redness, pain, burn
- Eyes: redness, pain, blurred vision
- Inhalation: sore throat, coughing, shortness of breath, laboured breathing

## FIRST AID TREATMENT

- Remove patient from source of poisoning to a well - ventilated area and keep him/her quiet and reassured. Remove contaminated clothing and rinse contaminated body area thoroughly with copious quantities of water and soap. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

## NOTE TO PHYSICIAN

- Treat symptomatically and supportive.

## DIRECTIONS FOR USE

- Use only as directed.

## PRODUCT PROPERTIES AND USE-RESTRICTIONS

- **Crop Guard®** is a contact nematicide and is not systemic and will therefore not penetrate the plant. Nematodes that have entered the roots of the plant will not be controlled by **Crop Guard®** applications. Only nematodes in the soil around the roots will be controlled.
  - Do not use **Crop Guard®** on soils with a high clay content.
  - Field must be irrigated to field capacity before application of the product. It is important to incorporate **Crop Guard®** through ploughing, discing, rotavating and/or irrigation into the root zone that needs to be protected
  - On soilborne tuber and root crops it is advised that the soil is initially fumigated with a registered soil sterilant before **Crop Guard®** application.
  - All old plant material must be removed from the field prior to product application.
  - If any old tuber/root material is present, the soil must be treated with a soil fumigant.
  - Does not control *Meloidogyne chitwoodi* or cyst nematode.
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## **COMPATIBILITY**

- **Crop Guard**<sup>®</sup> is compatible with acetochlor (EC) and imazethapyr containing non-incorporated pre - emergent herbicides used on groundnuts.

### **Crop Guard**<sup>®</sup> is not compatible with the following materials:

- Fibreglass
- PVC
- Rubber
- Soft elastomers (elastic synthetic rubber components)

## **MIXING INSTRUCTIONS AND APPLICATION**

- Half fill the spray tank with clean water and commence agitation.
  - Slowly add the recommended amount of **Crop Guard**<sup>®</sup> to the spray tank containing the water whilst continuing agitation and then fill the spray tank with the required volume of water.
  - Application should be carried out during a windless time of the day, immediately after mixing but certainly within one hour of mixing.
  - Do not allow spray mixture in tank to stand without agitation.
  - After application thoroughly rinse the spray tank with water.
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**Only skull – toxic/giftig**

#### WAARSKUWINGS

- Onthoudings periode: Laat 14 dae toe tussen laaste toediening en oes van aartappels.
- Moenie behandelde grondbone lande binne 28 dae na toediening beweie nie.
- Hanteer uiters versigtig.
- Giftig indien ingeneem of ingeasem word.
- Irriterend vir oë en asemhalingstelsel.
- Skadelik vir die vel.
- Bêre agter slot en grendel in 'n koel droë plek weg van voedsel en voer.
- Toksies vir vis en ander diere.
- Vlambaar – moet nie naby oop vlam stoor nie.
- Hou buite die bereik van kinders, oningeligte persone asook diere.
- In die geval van vergiftiging neem pasiënt na 'n dokter en toon hierdie etiket aan hom/haar.

Alhoewel hierdie middel onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie aangesien die werking en effek daarvan beïnvloed kan word deur faktore soos abnormale grond-, klimaats- en bergingstoestande, kwaliteit van verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie, die voorkoms van die bestandheid van die plaag teen die betrokke produk sowel as die metode, tyd en akkuraatheid van toediening. Onafhanklik van die dosis wat gebruik word, word die nawerking en die nematode aktiwiteit van hierdie middel is baie beïnvloed deur faktore buite die vervaardiger/verspreider se beheer. Faktore soos monocropping, rotasie met nematode vatbare gewasse, grond tipe en die hoeveelheid besproeiings water of reënval ontvang binne die tydperk, kan 'n mate van nematode skade veroorsaak. Wanneer hoë nematode druk voorkom kan die produsent nie 'n absolute nematode vry gewas verwag nie en erge verliese kan voorkom.

Die gebruik van CROP GUARD® word nie aanbeveel indien abnormale verbouingspraktyke gevolg word, soos byvoorbeeld die herhaalde plant van vatbare gewasse op dieselfde land, of waar hoë nematode druk ondervind word”

Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of nadelige effek op mens of dier, of gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om

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etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

### **VOORSORGMAATREËLS**

- Vermy inaseming van spuitmis en voorkom aanraking met vel en oë.
- Was besoedelde klere daaglik.
- Was met seep en koue water na toediening of toevallige vel kontak.
- Moet nie eet, drink of rook tydens toediening of voordat hande en gesig gewas is nie.
- Voorkom wegdrywing van sproeiwater na ander gewasse, weiding, riviere, damme, of areas nie onder behandeling nie.
- Maak spuittoerusting skoon na gebruik en raak ontslae van spoelwater waar dit nie gewasse weiding riviere of damme sal besoedel nie.
- Spoel leë houer driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die inhoud van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word.
- Vernietig leë houer deur gate in te slaan en plat te slaan en moet vir geen ander doel gebruik nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.

### **SIMPTOME VAN MENSLIKE VERGIFTIGING**

- Inname: seer keel, buikpyn, braking
- Vel: rooiheid, pyn, brand
- Oë: rooiheid, pyn, versteurde sig
- Inaseming: seer keel, hoes, kortasem, swaar asemhaling

### **NOODHULPBEHANDELING**

- Verwyder pasiënt van bron van vergiftiging na 'n goed geventileerde area en hou hom/haar stil en kalm. Verwyder besoedelde klere en was besoedelde liggaam areas deeglik met baie water en seep. In die geval van aanraking met oë spoel onmiddellik uit met baie skoon water en kry mediese hulp.

### **NOTA AAN GENEESHEER**

- Behandel simptome en ondersteunend

### **GEBRUIKSAANWYSINGS**

- Gebruik alleenlik soos aangedui.

### **PRODUK EIENSAPPE EN GEBRUIKS BEPERKINGS**

- **Crop Guard**<sup>®</sup> is 'n kontak nematodododer (aalgurmdoder) wat nie sistemies deur die plant opgeneem word nie. Indien die plante reeds deur nematodes (aalgurms) geïnfesteer is, sal die produk nie die aalgurms (nematodes) binne die plant beheer nie. Dit sal wel die nematodes (aalgurms) in die grond rondom die plantwortels beheer.
  - **Crop Guard**<sup>®</sup> moet nie op gronde met 'n hoë klei inhoud gebruik word nie.
  - Besproei land tot op veldkapasiteit voordat die produk toegedien word. Dit is belangrik om **Crop Guard**<sup>®</sup> deur middel van ploeg, dis, kopploeg en/of met besproeiing in die wortelarea wat beskerm moet word, in te werk.
  - Met die plant van grondgedraagde knol of wortel gewasse word dit aanbeveel om die grond met 'n geregistreerde berokingsmiddel te behandel voor die gebruik van **Crop Guard**<sup>®</sup>.
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- Verwyder all ou plantreste uit die land.
- Indien wortel/knol reste in die land agterbly, moet die grond berook word met 'n geskikte berokingsmiddel.
- Produk beheer nie *Meloidogyne chitwoodi* of sist nematodes nie.

## **VERENIGBAARHEID**

- **Crop Guard**<sup>®</sup> is verenigbaar met asetochlor (EC) en imazapyr bevattende nie ge-inkorporeerde vooropkomsonkruiddoders wat op grondbone gebruik word.

### **Crop Guard**<sup>®</sup> is nie verenigbaar met die volgende produkte nie:

- Veselglas
- PVC
- Rubber
- En ander sagte elastomere (rekbare en buigbare sintetiese rubber komponente)

## **MENGINSTRUKSIES EN TOEDIENING**

- Maak spuittenk halfvol met skoon water, en begin roer.
  - Voeg die verlangde hoeveelheid **Crop Guard**<sup>®</sup> stadig by die water in die tenk terwyl daar geroer word en vul daarna met skoon water aan tot die benodigde volume.
  - Toediening moet tydens 'n windstil tyd van die dag plaasvind, kort na vermenging en binne een uur na vermenging.
  - Moet die tenk nie laat staan sonder dat daar geroer word nie.
  - Na gebruik spoel die spuittenk deeglik uit met water.
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## Tomatoes, Chillies, Peppers, Paprika and Ornamentals

CROP/PEST	DOSAGE RATE	REMARKS
<p><b>Tomatoes</b> Plant parasitic nematodes</p> <p><b>Chillies, Peppers, Paprika</b> Plant parasitic nematodes</p> <p><b>Ornamentals</b> Flowers only Plant parasitic nematodes</p>	<p><b>At plant:</b> <b>Overall application:</b> 75 l/ha <b>Crop Guard</b><sup>®</sup> in at least 600 l/ha water</p> <p style="text-align: center;"><b>or</b></p> <p>75 l/ha <b>Crop Guard</b><sup>®</sup> split into an application of 50 l/ha <b>Crop Guard</b><sup>®</sup> in at least 600 l/ha water just before planting followed by 25 l/ha <b>Crop Guard</b><sup>®</sup> in at least 600 l/ha water 4 weeks after planting</p> <p><b>Post plant:</b> <b>Supplementary overall application:</b> 25 l/ha <b>Crop Guard</b><sup>®</sup> in at least 600 l/ha water 4 weeks after planting</p>	<p><b>Medium and low nematode infestation:</b></p> <ul style="list-style-type: none"> <li>• Apply to a well-prepared field irrigated to field capacity.</li> <li>• Ridge, transplant and irrigate.</li> </ul> <p><b>On fields with a history of high nematode infestations:</b></p> <ul style="list-style-type: none"> <li>• Fumigate the field initially with a registered soil fumigant and then follow with a supplementary application of <b>Crop Guard</b><sup>®</sup> at the rate indicated.</li> </ul> <p><b>Re-infestation:</b></p> <ul style="list-style-type: none"> <li>• If re-infestation of nematodes is experienced during the season a supplementary soil application of <b>Crop Guard</b><sup>®</sup> can be applied at the rate indicated.</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• <b>Crop Guard</b><sup>®</sup> must be irrigated into the soil with a minimum of 10 mm water immediately after application.</li> <li>• Apply <b>Crop Guard</b><sup>®</sup> as a directed spray to the soil and do not apply over plants when they are bearing fruit.</li> </ul>
	<p><b>Dripper irrigation application:</b> 750 ml/100 m row</p> <p style="text-align: center;"><b>or</b></p> <p>750 ml/100 m row <b>Crop Guard</b><sup>®</sup> split into an application of 500 ml/100 m row <b>Crop Guard</b><sup>®</sup> just before planting followed by 250 ml/100 m row <b>Crop Guard</b><sup>®</sup> 4 weeks after planting</p> <p><b>Post plant:</b> <b>Supplementary application:</b> 250 ml/100 m row <b>Crop Guard</b><sup>®</sup> 4 weeks after planting</p>	<ul style="list-style-type: none"> <li>• Prepare a pre-mix mixture of not more than 10 % in a pressure tank prior to dosing. Apply the mixture through dosing in the dripper irrigation system to a well-prepared field.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• <b>Crop Guard</b><sup>®</sup> must be irrigated into the soil with a minimum of 10 mm water immediately after application.</li> <li>• Refer to 'Compatibility' and 'Product Properties and use-restrictions'.</li> </ul>

**Tamaties, Rissies, Soetrissies, Paprika en Sierplante**

GEWAS/PLAAG	DOSIS	OPMERKINGS
<p><b>Tamaties</b> Plant parasitiese nematodes (aalwurms)</p> <p><b>Rissies, Soetrissies, Paprika</b> Plant parasitiese nematodes (aalwurms)</p> <p><b>Sierplante</b> Slegs blomme</p> <p>Plant parasitiese nematodes (aalwurms)</p>	<p><b>Met plant:</b></p> <p><b>Breedwerpige toediening:</b> 75 l/ha <b>Crop Guard</b><sup>®</sup> in minstens 600 l/ha water</p> <p style="text-align: center;"><b>of</b></p> <p>75 l/ha <b>Crop Guard</b><sup>®</sup> verdeel in 'n toediening van 50 l/ha <b>Crop Guard</b><sup>®</sup> in minstens 600 l/ha water net voor plant opgevolg met 25 l/ha <b>Crop Guard</b><sup>®</sup> in ten minste 600 l/ha water 4 weke na plant</p> <p><b>Na plant: aanvullende breedwerpige toediening:</b> 25 l/ha <b>Crop Guard</b><sup>®</sup> in ten minste 600 l/ha water 4 weke na plant</p>	<p><b>Medium en lae nematode infestasië:</b></p> <ul style="list-style-type: none"> <li>• Dien as algehele grondtoediening toe op 'n goed voorbereide land wat tot veld kapasiteit besproei is. Trek walle, plant en besproei.</li> </ul> <p><b>Op lande met 'n geskiedenis van hoë nematode infestasië:</b></p> <ul style="list-style-type: none"> <li>• Behandel land eerstens met 'n geregistreerde grond berokingsmiddel en volg op met 'n aanvullende toediening van <b>Crop Guard</b><sup>®</sup> teen die dosis aangedui.</li> </ul> <p><b>Herinfestasië:</b></p> <ul style="list-style-type: none"> <li>• Indien herinfestasië van nematodes gedurende die seisoen ondervind word kan 'n aanvullende bespuiting van <b>Crop Guard</b><sup>®</sup> toegedien word teen die dosis soos aangedui.</li> </ul> <p><b>Nota:</b></p> <ul style="list-style-type: none"> <li>• <b>Crop Guard</b><sup>®</sup> moet onmiddellik na 'n toediening in die grond in besproei word met ten minste 10 mm water.</li> <li>• <b>Crop Guard</b><sup>®</sup> moet as 'n gerigte bespuiting op die grond toegedien word en nie oor plante wanneer in drag nie.</li> </ul>
	<p><b>Drupbesproeiing:</b> 750 ml/100 m ry</p> <p style="text-align: center;"><b>of</b></p> <p>750 ml/100 m ry <b>Crop Guard</b><sup>®</sup> verdeel in 'n toediening van 500 ml/100 m ry net voor plant opgevolg met 250 ml/100 m ry <b>Crop Guard</b><sup>®</sup> 4 weke na plant</p> <p><b>Na plant aanvullende toediening:</b> 250 ml/100 m ry <b>Crop Guard</b><sup>®</sup> 4 weke na plant</p>	<ul style="list-style-type: none"> <li>• Berei 'n mengsel van nie meer as 10 % <b>Crop Guard</b><sup>®</sup> voor in 'n druk tenk. Dien dan die mengsel toe deur die drup-stelsel op 'n goed voorbereide land.</li> </ul> <p><b>Nota:</b></p> <ul style="list-style-type: none"> <li>• <b>Crop Guard</b><sup>®</sup> moet onmiddellik na toediening opgevolg word met minstens 10 mm water.</li> <li>• Lees ook 'Verenigbaarheid' en 'Produk eienskappe en gebruiksbepelings'.</li> </ul>