



STALKER

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY

GEBRUIKSAANWYSINGS INGESLUIT
**VERWYS NA BESONDERHEDE
 SOOS OP HOUER / SAK GEDRUK**

Lotnummer
 Datum van vervaardiging

STALKER

INSECTICIDE

Reg. No. L7914, Act/Wet No. 36 of/van 1947

1: 22/05/2006

An emulsifiable concentrate systemic insecticide for the control of sorghum stalk borer and maize stalk borer in grain sorghum, maize and sweetcorn.

'n Emulgeerbare konsentraat sistemiese insekdoder vir die beheer van sorghumstronkboorder en mieliestronkboorder in graansorghum, mielies en suikermielies.

IRAC INSECTICIDE GROUP CODE	1A	IRAC INSEKDODER GROEPKODE
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ACTIVE INGREDIENT / AKTIEWE BESTANDEEL		
Benfuracarb (carbamate)	200 g/l	Benfurakarb (karbamaat)

Registration Holder / Registrasiehouer
Meridian Agrochemical Company (Pty.) Ltd. / (Edms.) Bpk.
 Reg. No. 2000/010819/07
 P.O. Box / Posbus 436, Modderfontein, 1645, South Africa / Suid-Afrika

20L

PRODUCT INFORMATION / PRODUKINLIGTING: TEL: 011 822 8509

IN CASE OF POISONING / IN GEVAL VAN VERGIFTIGING:
 Griffon Poison Centre: 082 446 8946

UN Number: 2991

TOXIC / GIFTIG

DIRECTIONS FOR USE ENCLOSED
**REFER TO DETAILS AS PRINTED
 ON CONTAINER / BAG**

Batch Number
 Date of manufacture

WARNINGS

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

Sorghum.....28 days
Maize and sweetcorn.....do not apply after tassel emergence

- Handle with extreme care.
- Poisonous by contact, inhalation or swallowing.
- May irritate eyes and skin.
- Toxic to bees, fish and wildlife.
- Store under lock and key in a cool place.
- Store away from food, feed, fertilizer and other agricultural products.
- Keep out of reach of children, uninformed persons and animals.
- **FLAMMABLE** – Do not store or open container near open flame.
- Do not use this product in any way contrary to the directions on this label.
- **STALKER** has been tested on the most important commercial cultivars without any phyto toxic effects. More susceptible cultivars may be released in future which need to be tested; for this apply **STALKER** to a limited test area before commercial applications are made.
- **AERIAL APPLICATION:** notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate adjacent areas or water.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be effective under all conditions. The activity 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 pest against the remedy, 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 failure by 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

- Do not inhale fumes or spray mist.
- Avoid skin and eye contact by wearing full protective clothing when mixing and applying the product.
- Wash with soap and cold water immediately after use and accidental skin contact as well as contaminated clothing.
- Wash contaminated clothing immediately after use.
- All persons in direct contact with the product, including markers must wear protective clothing as well as a suitable respirator.
- Wear protective clothing when applying the spray mixture.
- Do not eat, drink or smoke while mixing or applying the product or before washing hands and face.
- Avoid drift of spray onto other crops, grazing, rivers, dams and areas not under treatment.
- Clean applicator after use. Dispose of rinsate where it will not contaminate crops, grazing, rivers, dams and boreholes.
- Prevent contamination of food, feeds, drinking water and eating utensils.
- Invert the container over the spray tank and allow as much of the product to drain from the container. Thereafter, rinse the empty container three times with a volume of water equal to a minimum 10% of that of the container. Add the rinsate to the contents of the spray tank before destroying the container.
- Destroy the empty container by perforation and flattening and do not use for any other purpose.

SYMPTOMS OF HUMAN POISONING

Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pain, vomiting, muscle twitching, unusually small pupils, respiratory distress, coma.

FIRST AID TREATMENT

Skin contact: Remove patient from source of poisoning and keep him quiet and reassured.

Remove contaminated clothing as well as shoes and leather goods. Wash body with non-abrasive soap and lots of water. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical advice if necessary.

Eye contact: Flush eyes immediately with large amounts of clean water for approximately 15 minutes.

Occasionally lift the upper and lower lids. If eye irritation persists, get medical attention.

Inhalation: Remove patient to a well ventilated area and loosen clothing around the neck. Perform artificial respiration and administer oxygen if necessary. Keep patient warm and calm. **Seek medical advice immediately.**

Ingestion: If concentrate or water diluted mixture has been swallowed, do not induce vomiting – call a doctor. Vomiting should be supervised by a physician because of possible pulmonary damage by aspiration of the solvent. If product concentrate has been swallowed, **immediately take patient to the nearest doctor.** Do not induce vomiting. Get medical attention immediately. Administration of gastric lavage or oxygen should be performed by qualified medical personnel.

NOTE TO PHYSICIAN

The active ingredient is a reversible cholinesterase inhibitor. Administer atropine sulphate 2 – 4 mg intravenously, repeated at 10 minute intervals until atropinisation appears. Do not use oximes such as 2 PAM. If in eye install one drop of homatropine. Treat symptomatically and supportively. Keep patient under observation.

RESISTANCE WARNING

For resistance management, **STALKER** is a group code 1A insecticide. Any insect population may contain individuals naturally resistant to **STALKER** and other group code 1A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **STALKER** or any other group code 1A insecticide.

To delay insecticide resistance:

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

Since the occurrence of resistance cannot be forecast, users are advised to keep treated crops under close observation. If treatment is not effective following the use of **STALKER** as recommended, a resistant population may be present. If a resistant population is positively identified, consideration should be given to prompt use of an insecticide with a different mode of action for which there is no record of resistance to the relevant pest. For specific information on resistance management, contact the registration holder of this product.

DIRECTIONS FOR USE

Use only as directed

MIXING INSTRUCTIONS

The efficacy of **STALKER** can be reduced by very hard water (> 1 000 ppm solutes) as well as by water with a high pH. To ensure optimum efficacy, **STALKER** should be applied in water of pH 4,5 – 5,5. Where spray water is outside of this pH range, the water should be buffered to within the recommended pH range by use of a registered pH buffer. Where a pH buffering agent is used, this must be thoroughly mixed into the total spray water volume before the **STALKER** is added.

Should the spray water pH be in the correct pH range, the following procedure may be followed: Half-fill the spray tank with suitable water. Shake the container thoroughly prior to use. Add the required quantity of **STALKER** to the water. Fill the spray tank to the desired volume. **Tank mixtures must be sprayed out immediately and not allowed to stand in the spray tank overnight.** Spraying equipment must be thoroughly flushed out at the end of the spraying operation.

COMPATIBILITY

The compatibility of **STALKER** 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. Do not make tank mixtures with other agricultural remedies or foliar feed products without first ensuring that no reduction in efficacy or crop damage will result. When mixing **STALKER** with other products, follow all label instructions carefully. **STALKER** is compatible with lambda-cyhalothrin EC and cypermethrin EC formulations.

APPLICATION METHODS

Ensure that the equipment is correctly calibrated and is checked regularly during application to ensure even and accurate application. **Constant agitation throughout the spray operation is essential.** Only clean water should be used.

GROUND APPLICATION

- **STALKER** can be applied with conventional high volume spraying equipment fitted with hollow cone nozzles to give medium to fine droplets. Calibrate the apparatus prior to application to ensure that the correct dosage is applied. Ensure that the distribution of the spray is uniform throughout the target area.
- Spray volumes must be adapted according to the size, growing pattern and leaf density of the crop. Use an appropriate spray volume to ensure thorough coverage and wetting of all the plant parts. Monitor efficacy within 3 days and reapply if necessary.

AERIAL APPLICATION

Aerial application may only be done by a registered aerial application operator using a registered and correctly calibrated aircraft according to the instructions of SANS 0118 (Aerial Application of Agricultural Remedies). It is important to 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;

Equipment

- Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage of the target area and will ensure the minimum loss of product through drift.
- The operator must use a nozzle set-up that will produce a droplet spectrum with the lowest possible relative span.
- All nozzles and atomisers should be positioned within the inner 75% of the wingspan to prevent droplets from entering the wingtip vortices.

Application Parameters

- A minimum volume of 50 ℓ spray mixture per ha is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy nor be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended.
- A droplet coverage of 30 – 40 droplets per sq cm must be recovered at the target.
- A droplet spectrum with a VMD of 250 – 280 microns is recommended. Ensure that the production of fine droplets, with a VMD less than 150 microns, is restricted to a minimum.
- The height of the spray boom should be maintained at between 3 and 4m above the target.
- Do not spray when the aircraft is in a climb, at the top of a turn or during a dive or when banking.
- Apply before the crop growth becomes too dense, which will interfere with overall plant coverage.

Meteorological Conditions

- The difference between the wet and dry bulb readings as determined by a whirling hygrometer, must not exceed 8 °C.
- Do not spray under turbulent, unstable conditions nor during the heat of the day when rising thermals and downdraughts occur.
- Do not spray under temperature inversion conditions (spraying in or above the inversion layer).
- Do not spray when the wind speed exceeds 15 km per hour.

General

- Ensure that fields are accurately marked and 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.

USE RESTRICTIONS

Application to maize and sorghum:

Applications should always be based on scouting. Apply when 10% of the plants show shothole damage. If the larvae are bigger than 10 mm or when re-infestation occurs, a second application 10 - 12 days later may be necessary.

Application to sweetcorn:

Apply when the first signs of shothole damage are visible. Repeat applications every 14 days when reinfestations of Sorghum stalkborer (*C. partellus*) occur. Allow 14 days between the last application and harvesting or grazing.

General:

Do not apply to crops under drought stress or other stress factors which may contribute to crop stress. Systemic activity is reduced by crop maturity. Therefore apply to maize, sorghum and sweetcorn which is growing actively and only apply up to the stage before the tassels/ears are enclosed by the flag leaf of the crops. Treat before larvae have entered the stalks.

RECOMMENDATIONS

CROP/PEST	APPLICATION RATE	REMARKS
<p>Maize, sweetcorn and sorghum Sorghum stalkborer (<i>Chilo partellus</i>) Maize stalkborer (<i>Busceola fusca</i>)</p>	<p>1,0 l/ha PLUS 50 ml/ha lambdacyhalothrin 50 EC OR 150 ml/ha cypermethrin 200 EC</p>	<p>Do not apply to crops under drought stress. Systemic activity is reduced by stress factors and crop maturity. Apply to crops which are growing vigorously and apply up to the stage before the tassels/ears are enclosed by the flag leaf of crops. Treat before larvae enter stalks. For sweetcorn, apply when shothole damage is visible. If larvae are longer than 10 mm or re-infestation occurs, a second application may be necessary 10 - 12 days later.</p> <p>Ground application: The first application must be made when 10 % of the plants show shothole damage.</p> <p>Aerial application: Apply in not less than 50 l spray mixture/ha as an early corrective application when 10 % of the plants show shothole damage.</p>

WAARSKUWINGS

Laat die volgende aantal dae verloop tussen die laaste toediening en oes of gebruik as voedsel of voer:

Sorghum 28 dae
Mielies en Suikermielies moet nie toedien na pluime verskyn het nie.

- Hanteer uiters versigtig.
- Giftig wanneer in kontak met vel, ingeasem en ingeneem.
- Mag oog- en velirritasie veroorsaak. ☐ Giftig vir bye, visse en wild.
- Berg agter slot en grendel in 'n koel plek.
- Berg weg van voedsel, voer, misstowwe en ander landbou produkte.
- Hou buite die bereik van kinders, oningeligte persone en diere.
- **VLAMBAAR** – Moet nie berg of houer oopmaak naby oop vlamme nie.
- Moet nie hierdie produk op enige manier gebruik in teenstelling met die aanwysings soos op hierdie etiket aangedui nie.
- **STALKER** is op die mees belangrikste kommersiële kultivars getoets sonder enige fitotoksiese effekte. Meer sensitiewe kultivars mag in die toekoms vrygestel word wat getoets moet word; in hierdie geval dien **STALKER** toe op 'n beperkte area voordat kommersiële toedienings gedoen word.
- **In geval van vergiftiging ontbied 'n geneesheer onmiddellik en stel die etiket aan hom/haar beskikbaar.**
- Herbetreding: Moet nie behandelde gebied betree vir 2 dae na die bespuiting nie, tensy beskermende oorklere gedra word.
- **Lugtoediening**: verwittig alle inwoners in die nabye omgewing van die lugbespuitingsarea en reik die nodige waarskuwings uit. Moet nie oor aangrensende gebiede en waterbronne spuit nie of toelaat dat spuitnewel daarheen wegdryf nie.

Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die plaag teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordlikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van versuim van die gebruiker om 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

- Moet nie dampe of spuitnewel inasem nie.
- Vermoed kontak met die vel en oë deur beskermende klere te dra wanneer die produk gemeng en toegedien word.
- Was met seep en koue water onmiddellik na gebruik en toevallige vel kontak asook gekontamineerde klere.
- Was besoedelde klere onmiddellik na gebruik.
- Alle persone in direkte kontak met die produk, moet beskermende klere dra, ingesluit gesigmasker sowel as 'n geskikte respirator.
- Dra beskermende klere tydens toediening van die spuitmengsel.
- Moet nie eet, drink of rook tydens vermenging of toediening van die produk of voordat hande en gesig gewas is nie.
- Vermoed wegdryf van spuitnewel na ander gewasse, weiveld, riviere, damme en areas wat nie behandel moet word nie.
- Maak toedieningsapparaat skoon na gebruik. Doen weg met uitspoelwater waar gewasse, weiveld, riviere, damme en boorgate nie besoedel word nie.
- Voorkom besoedeling van voedsel, voer, drinkwater en eetgerei.
- Keer die leë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloeï tot 'n gedrup verminder het. Spoel die houer daarna 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 vernietig word.

- Vernietig die leë houer deur gate daarin te kap en plat te slaan en moet nie die leë houer vir enige ander doel hergebruik nie.

SIMPTOME VAN MENSLIKE VERGIFTIGING

Hoofpyn, vermoeidheid, flouheid, duiseligheid, oormatige sweet, naarheid, buikpyn, braking, spiertrekkings, gewoonlik verkleinde pupille, asemhalingsnood, bewusteloosheid.

NOODHULPBEHANDELING

Velkontak: Verwyder die pasiënt weg van die bron van vergiftiging en hou die pasiënt stil en gerus. Verwyder gekontaminateerde klere, sowel as skoene en leer items. Was die liggaam vel nie-skurende seep en oormat water. Persone wat mediese hulp verleen moet handskoene dra om kontaminasie te voorkom. Ontbied mediese hulp, indien nodig.

Oogkontak: Spoel oë onmiddellik met groot hoeveelhede skoon water vir ongeveer 15 minute. Lig die bo- en onder-oogdele gereeld op. Indien irritasie in oog voortduur, verkry mediese hulp.

Inaseming: Verwyder die pasiënt na 'n goed geventileerde area en maak kledingstukke om nek los. Dien kunsmatige asemhaling en indien nodig, suurstof toe. Hou die pasiënt warm en kalm. **Ontbied onmiddellik mediese hulp.**

Inname: Indien konsentraat of verdunde mengsel ingesluk is, moet nie braking veroorsaak nie – ontbied 'n dokter. Braking moet onder die toesig van 'n geneesheer plaasvind omrede long skade moontlik kan plaasvind as gevolg van die inaseming van die oplosmiddel. Indien produk konsentraat ingesluk is, **neem die pasiënt onmiddellik na die naaste dokter.** Moet nie braking veroorsaak nie. Ontbied onmiddellik mediese hulp. Toediening van maagspoeling of suurstof moet deur 'n gekwalifiseerde mediese persoon gedoen word.

NOTA AAN GENEESHEER

Die aktiewe bestanddeel is 'n cholinesterase inhibeerder. Dien atropiensulfaat teen 2 tot 4 mg binnears toe, herhaal met 10 minute tussenposes totdat atropinisasie voorkom. Moet nie oksiene soos 2PAM toedien nie. Indien in oë, dien een druppel homotropien toe. Behandel simptome en ondersteunend. Hou pasiënt onder observasie.

WEERSTANDSWAARSKUWING

STALKER is 'n groeppkode **1A** insekdoder. Enige populasie van 'n spesifieke insek mag individue insluit wat 'n natuurlike weerstand teen **STALKER** of enige ander groeppkode **1A** insekdoder het. Indien hierdie insekdoder herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **STALKER** of enige ander groeppkode **1A** insekdoder beheer word nie.

Om weerstand teen insekdoders te vertraag:

- Vermoed die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groeppkode. Wissel af met, of gebruik tenklangsels van produkte in verskillende insekdodergroep kodes,
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekdoderprogramme.

Aangesien die voorkoms van weerstand nie voorspel kan word nie, word gebruikers aanbeveel om behandelde gewasse onder streng observasie te hou. Indien 'n behandeling nie effektief is na die gebruik van **STALKER** aanbeveel is nie, mag 'n weerstandbiedende populasie teenwoordig wees. Indien 'n weerstandbiedende populasie positief geïdentifiseer is, oorweeg spoedige gebruik van 'n insekdoder met 'n verskillende aksie van werking en waar weerstand teen die betrokke plaag nie gerapporteer is nie. Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

GEBRUIKSAANWYSINGS

Gebruik slegs soos aangedui.

MENGINTRUKSIES

The effektiwiteit van **STALKER** kan verlaag word deur baie harde water (>1000 dpm opgeloste stowwe) sowel as deur water met 'n hoë pH. Om optimum effektiwiteit te verseker, moet **STALKER** toegedien word in water met pH 4,5 tot 5,5.

Indien die spuitwater buite hierdie pH reeks is, moet die water gebuffer word tot binne die aanbevole pH reeks deur gebruik te maak van 'n geregistreerde pH buffer. Indien 'n pH buffer agent gebruik word, meng dit deeglik met die spuitwater volume, alvorens **STALKER** bygevoeg word.

Indien die pH van die spuitwater binne die korrekte pH reeks is, volg die volgende prosedure: Vul die spuittenk halfvol met die geskikte water. Skud die houer deeglik voor gebruik. Voeg die verlangde

hoeveelheid **STALKER** by die water. Vul die spuitenk tot die verlangde volume. **Tenkmengsels moet dadelik gespuit word en nie toegelaat word om in spuitenk oornag te laat nie.** Spuittoerusting moet deeglik uitgespoel word aan die einde van die toediening.

VERENIGBAARHEID

Die verenigbaarheid van **STALKER** met ander produkte hangaf van die formulasies van die betrokke produkte, sowel as die kwaliteit van die spuitwater wat gebruik word. Aangesien formulasies van tyd tot tyd verander, word 'n fisiese verenigbaarheidstoets aanbeveel voordat 'n tenkmengsel gemaak word. Moet nie tenkmengsels met ander landbou produkte of blaarvoedingsprodukte maak nie, sonder om eers te verseker dat geen verlaging in effektiwiteit of gewasskade sal voorkom. Wanneer **STALKER** met ander produkte gemeng word, volg alle etiket instruksies noukeurig. **STALKER** is verenigbaar met lambda-sihalotrien EC en sipermetrien EC formulasies.

TOEDIENINGSMETODES

Verseker dat die toerusting korrek gekalibreer is en gereeld gedurende toediening nagegaan word, sodat egalige en akkurate toediening verseker is. **Konstante roering gedurende toediening is belangrik.** Slegs skoon water moet gebruik word.

GRONDTOEDIENING

- **STALKER** kan toegedien word met konvensionele hoë volume spuittoerusting, toegerus met holkeël spuitpunte om medium tot fyn druppels te lewer. Verseker dat die verspreiding van die spreidurgaans eenvormig oor die teikenarea is.
- Spruitvolumes moet aangepas word volgens die grootte, groei patroon en blaardigtheid van die gewas. Gebruik 'n geskikte spuitvolume sodat deeglike bedekking en benutting van al die plantdele verseker is. Monitor effektiwiteit binne 3 dae en herhaal toediening indien nodig.

LUGTOEDIENING

STALKER kan slegs deur 'n geregistreerde Lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Pesticides) uit die lug bespuit word. Verseker dat die spuitmengsel eweredig oor die teikenarea versprei word, en die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is daarom belangrik om aan die volgende vereistes te voldoen:

- Volume: 'n Spuitmengsel volume van 50 liter per hektaar word aanbeveel. Hierdie produk is nie teen 'n verlaagde volume getoets nie. Die registrasiehouer kan nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effekte indien hierdie produk teen 'n laer volume, as hierbo aanbeveel, toegedien word nie.
- Druppel bedekking: 30 tot 40 druppels per cm² moet op die teikenarea herwin word.
- Druppelgrootte: 'n Druppelspektrum met 'n VMD van 250 tot 280 mikrons word aanbeveel. Beperk die produksie van druppels kleiner as 150 mikrons (hoë drywing en verdampingspotensiaal) tot 'n minimum.
- Vlieghoogte: Handhaaf die hoogte van die spuitbalk bo die teiken op 3 tot 4 meter. Moet nie spuit wanneer die vliegtuig duik nie, uitklim of draai nie.
- Gebruik geskikte atomiseringsapparaat wat die vereiste druppelgrootte en bedekking sal produseer, maar die minste verlies van produk verseker. Die spuitstelsel moet 'n druppelspektrum met die kleinste moontlike Relatiewe Span produseer.
- Plaas al die atomiseerders in die binneste 60 tot 75 % van die vlerkspan om te verhoed dat druppels binne-in die vlerkpuntvorteks beweeg.
- Die verskil in temperatuur tussen die nat- en droëboltermometer van 'n swaaihigrometer, moet nie 8°C oorskry nie.
- Stop bespuiting indien die windspoed 15 km/h oorskry.
- Stop bespuiting tydens turbulente, onstabiele en droë toestande gedurende die hitte van die dag.
- Bespuiting onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) en/of hoë lugvog toestande (relatiewe humiditeit 80% en meer) mag tot volgende probleme aanleiding gee:
 - verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
 - skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.
- Verseker dat die Lugbespuitingsoperateur presies weet watter lande bespuit moet word.
- Dit is noodsaaklik om 'n versekering van die Lugbespuitingsoperateur te verkry dat aan al die bogenoemde vereistes voldoen sal word en dat data van belang in 'n logboek saamgevat is vir toekomstige verwysing.

GEBRUIKSBEPERKINGS

Toediening vir mielies en sorghum:

Toedienings moet altyd op verkenning gebaseer wees. Dien toe wanneer 10% van die plante bokhaelskade toon. Indien die larwes groter as 10 mm is of wanneer herinfestasië voorkom, mag 'n tweede toediening 10 tot 12 dae later nodig wees.

Toediening vir suikermielies:

Dien toe wanneer die eerste tekens van bokhaelskade sigbaar is. Herhaal toedienings elke 14 dae wanneer herinfestasië van sorghum stronkboorder (*C. partellus*) voorkom. Laat 14 dae verloop tussen die laaste toediening en oes of weiding.

Algemeen:

Moet nie toedien op gewasse onder droogte stremming nie of ander faktore van stremming wat tot gewasstremming bydrae. Sistemiese aktiwiteit word verlaag soos gewas volwassenheid bereik. Daarom, dien toe op mielies, sorghum en suikermielies wat aktief groei en dien slegs toe tot en met die stadium voor pluim/aar in vlagbaar van die gewas toegerol is. Behandel voor lawers die stam binnegedring het.

AANBEVELINGS

GEWAS/PLAAG	TOEDIENINGSDOSIS	OPMERKING
Mielies, Suikermielies en Sorghum Sorghum stronkboorder (<i>Chilo partellus</i>), Mielie stronkboorder (<i>Busceola fusca</i>)	1,0 l/ha PLUS 50 ml/ha lambdasihalotrien 50 EC OF 150 ml/ha sipermetriën 200 EC	Moet nie toedien op gewasse onder droogte stremming nie. Sistemiese aktiwiteit word verlaag deur stremmingfaktore en gewas volwassenheid. Dien toe op gewasse wat lewenskragtig groei en dien toe tot en met die stadium voor pluim/aar in vlagbaar van gewas toegerol is. Behandel voor lawers die stam binnegedring het. Vir suikermielies, dien toe wanneer bokhaelskade sigbaar is. Indien die larwes groter as 10 mm is of wanneer herinfestasië voorkom, mag 'n tweede toediening 10 tot 12 dae later nodig wees. Grondtoediening: Dien die eerste toediening toe wanneer 10% van die plante bokhaelskade toon. Lugtoediening: Dien nie minder nie as 50 l spuitmengsel per hektaar as 'n vroeë korrektiewe toediening wanneer 10% van die plante bokhaelskade toon.