

Read the label carefully before opening

See enclosed leaflet for
full details

Sien ingeslote pamflet vir volle
besonderhede

Cylam 50 EC

Botswana: Reg. No. W130557, Act No. / Wet Nr.18 of / van 1999

INSECTICIDE GROUP CODE 3 / INSEKDODERGROEPKODE 3

An emulsifiable concentrate, contact and
stomach insecticide for the control of
various insects as recommended.

'n Emulgeerbare konsentraat kontak-
en maaginsekdoder vir die beheer
van verskillende insekte soos aanbeveel.

ACTIVE INGREDIENT:

Lambda-cyhalothrin (pyrethroid)

50 g/l

AKTIEWE BESTANDDEEL:

Lambda-sihalotrin (piretroïed)

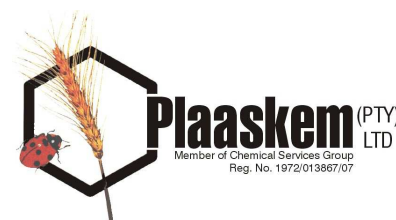
VOLUME / VOLUME

REGISTERED BY / GEREISTREER DEUR:

Gouws & Scheepers (Pty) Ltd/(Edms) Bpk
Reg. No./Nr. 1954/003213/07
P.O. Box/Posbus 14418
WITFIELD
1467
TEL NO: (011) 823 8000

MANUFACTURED BY / VERVAARDIG DEUR:

PLAASKEM (PTY) LTD/(EDMS) BPK
P.O. BOX/POSBUS 14418
WITFIELD
1467
TEL NO: (011) 823 8000



BATCH NO / LOT NR:

DATE OF MANUFACTURE / VERVAARDIGINGSDATUM:

UN NUMBER / VN NOMMER: 3351 – Pyrethroid pesticide, liquid, toxic, flammable

YELLOW BAND



Cylam 50 EC

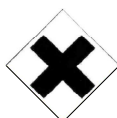
Botswana Reg. No. W130557, Act No. 18 of 1999

An emulsifiable concentrate, contact and stomach insecticide for the control of various insects as recommended.

ACTIVE INGREDIENT:

Lambda-cyhalothrin (pyrethroid)50 g/l

Registered and Manufactured by:
Gouws & Scheepers (Pty) Ltd
(Reg. No. 1954/003213/07)
Trading as Plaaskem (Pty) Ltd
P.O. Box 14418
Witfield
1467



HARMFUL

WARNINGS:

Withholding periods (minimum number days from last application until harvest or grazing)

Apricots, nectarines, plums and table peaches	14 days
Canning peaches	3 days
Sorghum, wheat, soybeans (grazing)	28 days
Dry beans, maize and sweetcorn	7 days
Green beans	1 day
Potatoes, onions	3 days
Tomatoes, cruciferae and lupins (grazing)	2 days
Lucerne (grazing)	8 days

In the case of cutworm control apply only when plants are in the seedling stage or before crop emergence. Do not apply when the soil is dry. Handle concentrate with extreme care. Poisonous if swallowed, inhaled or absorbed through the skin. Can irritate skin and eyes. Toxic to fish and wildlife. At rates as high as 300 l/ha applied according to label recommendations, **Cylam 50 EC** is of very low risk to bees. If higher use rates are necessary, apply during periods when bees are not active. Store under lock and key, in cool place away from food and feed. Keep out of reach of children, uninformed persons and animals. **FLAMMABLE** - keep away from open flames.

In case of poisoning contact a doctor and make this label available to him.

Re-entry : Do not enter treated area within 1 day after treatment unless wearing protective clothing.

Aerial Application:

All inhabitants of the immediate area must be warned that spraying will take place. Issue the necessary warnings. Avoid contamination of adjacent areas and water by spray and drift

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 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 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 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:

Avoid inhalation of the spray mist and skin and eye contact. In case of accidental skin contact, wash affected area immediately. Wash with soap and water after use.

Do not eat, drink or smoke whilst mixing and applying or before washing hands and face.

Prevent contamination of food, feed, eating utensils and drinking water.

Avoid drift of spray mist onto other crops, grazing, rivers, dams and areas not under treatment.

Wear rubber gloves and boots and face shield when handling the concentrate. If you get it in your eyes, flush it out at once. If you get it on your skin, wash it off at once. If you spill it on your clothes, change and wash them. Wash contaminated clothing after use. Wash yourself. Clean applicator after use and dispose of wash water where it will not contaminate, crops, grazing, rivers, dams and boreholes.

When empty - invert the empty container over the spray tank until 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 these rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Destroy empty container by perforation and flattening and dispose of it in a responsible manner. Do not re-use for any other purpose.

SYMPTOMS OF HUMAN POISONING

If ingested, symptoms of poisoning are usually non-specific, such as nausea, vomiting, diarrhoea and abdominal pain. If large doses are ingested, disturbance of the nervous systems may occur with ataxia, weakness of limbs, convulsions, coma and death from respiratory depression.

FIRST AID TREATMENT

Skin contact: Wash immediately with soap and water.

Eye contact: If splashed in eyes, wash with plenty of water for 10 -15 minutes. Go to a doctor.

Ingestion: If more than a trace has been swallowed and the patient is conscious, rinse out the mouth with water and give approximately 300 ml warm water to drink. Do not induce vomiting. Seek medical help.

NOTE TO PHYSICIAN

Treatment should be symptomatic and supportive. If gastric lavage or emesis is considered necessary, then inhalation of gastric content must be prevented. Consider the application of medical charcoal and a laxative.

RESISTANCE WARNING:

For resistance management, **Cylam 50 EC** is a group code 3 insecticide. Any insect population may contain individuals naturally resistant to **Cylam 50 EC** and other group code 3 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **Cylam 50 EC** or other group code 3 insecticides, although local experts should be consulted for local resistance recommendations. The following classification scheme is based on mode of action. It is recognized that resistance of insects and mites to insecticides and acaricides can also result from enhanced metabolism, reduced penetration or behavioural changes that are not linked to any site of action classification but are specific for individual chemicals or chemical groupings. Despite of this, alternation of compounds from different chemical classes remains a viable management technique.

To delay insecticide resistance:

*Avoid exclusive repeated use insecticides from the same chemical subgroup.

*Integrate other control methods (chemical, cultural, biological) into insect control programs

For further information contact your local distributor.

Resistance of American bollworm (*Helicoverpa armigera*) to synthetic pyrethroids has been confirmed.

DO NOT apply more than two applications per growing season. If a pyrethroid gives poor performance DO NOT re-spray with any synthetic pyrethroid, even at a corrective dosage rate. Use a product from a different chemical group.

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

Aerial Application:

Cylam 50 EC may in certain cases be applied aerially provided that the spray mixture is distributed evenly over the target area and the loss of spray material during application is restricted to a minimum. Aerial spraying must be done by specialist applicators in compliance with requirements of Act No 36 of 1947. Refer to the SANS for Aerial Applications of Agricultural Remedies (SANS 10118). To achieve this, it is essential that the following requirements be met:

The outermost nozzles should be located within the inner 60 - 75% of the wingspan to prevent droplets from entering the wingtip vortices.

A minimum spray volume of 30 ℓ per ha

A minimum of 30 - 40 droplets per cm² must be recovered on the target area.

The CV for droplet distribution must not exceed 40 %. Employ a droplet spectrum with VMD of 250 to 280 microns.

The following flying heights must be maintained above the target area:

Wind Speed	Flying Height
0 – 8 km / h	3 metre
9 – 15 km / h	2 metre
More than 15 km / h	do not spray

The difference between the wet and dry bulb reading, as determined with a whirling hygrometer must not exceed 8°C

Do not spray during the heat of the day. Aerial spraying under temperature inversion conditions (especially over wet or irrigated fields) may result in poor droplet coverage on the target area and thus reduced efficacy of an agricultural remedy.

The height of the spray boom should be maintained at 3 – 4 meters above the target. Do not spray when aircraft is in a climb, at the top or during a dive, or when banking.

Ensure that the fields are accurately marked and that the aerial spray operator knows exactly which fields to spray.

Aerial application of this product must not be done under turbulent, unstable conditions during the heat of the day when rising thermals and downdraughts occur. Also note that the application of this product under temperature inversion conditions (spraying in or above the inversion layer) may lead to the following:

- Reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage)
- Damage to other sensitive crops and or non-target areas through the movement of the suspended spray cloud away from the target field.

It is essential to obtain an assurance from the Aerial Spray Operator that the above requirements are met.

DIRECTIONS FOR USE: USE ONLY AS INDICATED**Compatibility:**

Do not mix with seaweed extract or amitraz, chinomethionat, vamidothion, prothiophos.

The compatibility of **Cylam 50 EC** with other products may be influenced by the formulation of the products involved as well as the quality of the water. Since the formulation of other products may change and water quality may vary from farm to farm a physical compatibility test should always be carried out prior to application.

Mixing instructions:

Half fill the spray tank with clean water. Add the measured amount of **Cylam 50 EC** to the tank while agitating. Fill the tank to the required volume and maintain agitation until spraying is completed. Ensure thorough agitation during the filling of the spray tank and spraying. Prepared spray mixture must not be left in the spray tank for any length of time, e.g. overnight.

Ground Application:

When using a conventional high volume sprayer or a mist blower, fit equipment with hollow cone nozzles that give medium to fine droplets. Ensure that sprayers are calibrated before spraying and that thorough coverage is obtained. A uniform distribution must be ensured throughout the target area. The use of drop arms on conventional booms is recommended when spraying crops such as tomatoes. Do not spray plants wet with dew or rain.

CROP / PEST	DOSAGE	REMARKS
ALL CROPS Cutworms	70 ml/ha	Apply Cylam 50 EC as a preventative (pre-emergence) or corrective (post-emergence) application as follows: The soil to be treated must be well prepared - free of clods and excessive plant debris. In situations where reduced tillage is practiced, cutworm populations are usually high. Therefore, the cutworm population must be monitored after the first application and when necessary a second application should be applied. Apply as an overall, corrective spray at the recommended rate. Apply ONLY if the top 3 cm of the soil is moist.
Preventative application (pre-emergence) and Corrective application (post-emergence)	0,23 ml / 100 m row 70 ml /ha 70 ml /ha	Ground application: Row treatment: Apply in at least 3 ℓ water in a 30 cm wide band over the row. Overall application: Apply in 300 ℓ water / ha. Aerial application: Apply in 30 ℓ water / ha.
GROUNDNUTS, DRY BEANS, GREEN BEANS, LUCERNE, MAIZE AND SWEETCORN. American bollworm	100 ml /ha 100 ml /ha	Ground application: Apply in 250 - 500 ℓ water/ha depending on plant size. Scout field at 7 day intervals from time of flowering and commence spraying when infestation is noticed. For optimum control larvae should be sprayed when they are not bigger than 1 cm but definitely before they exceed 2 cm in length. Scout field every 7 days or 3 days after rain and repeat application if necessary. Aerial application: (Groundnuts, dry beans and green beans only). Apply in 30 l water / ha. Refer to “Resistance warning”.
LUPINS American bollworm	110 - 120 ml /ha 120 ml /ha	Ground application: Apply in not less than 300 ℓ water/ha. Application should be done at a count of 1 - 2 larvae/m² before pods are penetrated by the larvae. Apply lower dosage rate to young plants and higher rate to strongly growing plants. Aerial application: Apply in 30 ℓ water / ha. Refer to “Resistance warning”.

CROP / PEST	DOSAGE	REMARKS
MAIZE Stalk borer <i>Busseola fusca</i> (First and second generation) <i>Chilo partellus</i> (First and second generation)	1,2 ml /100 m row (120 ml /ha) 120 ml /ha	Apply as soon as eggs are found on 5 % of the plants or 10 % plants show damage. A second application may be required 10 - 14 days later for stalk borer control and before tasseling for <i>chilo partellus</i> control Apply directly into plant funnel in at least 3 ℓ water / 100 m row. Aerial application: Apply as above in 30 ℓ water / ha.
ONIONS Thrips	80 - 120 ml /ha	Apply in a spray program of 10 - 14 days at the first signs of damage on onion leaves. Use the lower dosage rate when thrip counts reach 0,6 thrips per plant and follow-up with the higher dosage rate 10 - 14 days later. Not to be used on spring onions.
PLUMS, NECTARINES, TABLE PEACHES, CANNING PEACHES AND APRICOTS American bollworm	10 ml /100 ℓ water (250 - 350 ml /ha)	Apply at the first signs of an infestation and repeat if necessary. Do not apply before 75 % petal drop. Refer to “Resistance warning”.
POTATOES Tuber moth larva and American bollworm	120 ml /ha 132 ml /ha	Ground application: Apply in 250 - 500 ℓ water/ha depending on plant size. Commence spraying when plants are one month old or earlier if an infestation should occur. Repeat every 10 - 14 days and ridge at least twice during the growth season. Aerial application: Apply in at least 30 ℓ water / ha. Commence spraying as soon as plants are one month old or earlier if an infestation should occur. Repeat application every 10 - 14 days and ridge at least twice during the growing season. Refer to “Resistance warning”.
SORGHUM Maize stalk borer (<i>Busseola fusca</i>).	1 ml /100 m row 100 ml /ha	Ground application: Apply in 3 ℓ water in the funnel stage when 5 % of the plants show shot hole damage and borers have not yet migrated into the stalks. Direct application into funnel. Will also control <i>Chilo partellus</i> if present at time of application. Aerial application: Apply in 30 ℓ water / ha.
American bollworm	100 ml /ha	Spray as soon as an infestation is noticed and repeat if necessary. Ground application: Ensure thorough wetting. Apply in 250 – 500 ℓ water/ha. Aerial application: Apply in at least 30 ℓ water / ha Refer to “Resistance warning”.

CROP / PEST	DOSAGE	REMARKS
SOYBEANS American bollworm	120 ml /ha 120 ml /ha	Ground application: Apply as soon as infestation is noticed and repeat when necessary. Apply in 200 - 300 ℓ water/ha and ensure good coverage of the plants. Aerial application: Apply in 30 ℓ water / ha. Refer to “Resistance warning”.
SWEETCORN Pink Stalk borer (<i>Sesamia calamistis</i>)	1 ml /100 m row	Ground application: Apply directly into the funnel of the plants 14 days after emergence of the plants. A follow-up application 10 - 14 days later must be applied and if necessary up to flowering to control re-infestations. A minimum of 3,0 ℓ spray mixture/100 m row must be applied.
WHEAT American bollworm	120 ml /ha	Spray as soon as an infestation is noticed and repeat if necessary. Ground application: Ensure thorough wetting. Apply in 250 – 500 ℓ water/ha. Aerial application: Apply in at least 30 ℓ water / ha Refer to “Resistance warning”.

Foliwett 900 is the registered tradename by Gouws & Scheepers (Pty) Ltd trading as Plaaskem (Pty) Ltd

Cylam 50 EC

Botswana: Reg. Nr. W130557, Wet Nr. 18 van 1999

'n Emulgeerbare konsentraat kontak- en maaginsekdoder vir die beheer van verskillende insekte soos aanbeveel.

AKTIEWE BESTANDEEL:

Lambda-sihalotrin (piretroïed) 50 g/l

Geregistreer en vervaardig deur:
Gouws & Scheepers (Edms) Bpk
(Reg. Nr. 1954/003213/07)
Handeldrywend as Plaaskem (Edms) Bpk
Posbus 14418
Witfield
1467



SKADELIK

WAARSKUWING

Onthoudingsperiodes (minimum aantal dae tussen laaste toediening en / beweiding)

Appelkose, nektariens en tafelperskes	14 dae
Inmaakperskes	3 dae
Sorghum, koring, sojabone (beweiding)	28 dae
Droëbone, mielies en suikermielies	7 dae
Groenbone	1 dag
Aartappels, uie:	3 dae
Tamaties, koolgewasse en lupiene (beweiding)	2 dae
Lusern (beweiding)	8 dae

In die geval van snywurmbeheer dien slegs toe wanneer plante in die saailingstadium is of vooropkoms van die gewas. Die middel moet nie op droë grond toegedien word nie. Hanteer konsentraat uiters versigtig. Giftig wanneer ingesluk, ingeasem of deur die vel geabsorbeer word. Kan vel en oë irriteer. Giftig vir visse en natuurlewe. Teen toedieningshoeveelhede tot so hoog as 300 ml/ha toegedien volgens etiketaanwysings, hou **Cylam 50 EC** 'n baie lae risiko in vir bye. Indien hoër dosisse nodig is, bespuit tydens periodes wanneer bye nie aktief is nie. Bêre agter slot en grendel, op 'n koel plek weg van voedsel en voer. Hou buite bereik van kinders, oningeligte persone en diere. **VLAMBAAR** - hou weg van oop vlamme. **In geval van vergiftiging ontbied 'n geneesheer en toon hierdie etiket aan hom.**

Herbetreding: Moet nie behandelde gebied betree vir 1 dag na bespuiting nie, tensy beskermende oorklere gedra word

Lugtoediening:

Stel alle inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moet nie oor aangrensende gebiede of water spuit of die spuitnewel toelaat om dit te besoedel 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, 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 EN DIE VOORKOMS VAN WEERSTAND VAN DIE PLAAG TEEN DIE BETROKKE MIDDEL SOWEL AS DIE METODE, TYD EN AKKURAATHEID VAN TOEDIENING. VERDER AANVAAR DIE REGISTRASIEHOUER NIE VERANTWOORDELIKHEID VIR SKADE AAN GEWASSE, PLANTEGROEI, DIE OMGEWING OF VIR NADELIGE EFFEK OP MENS OF DIER OF VIR 'N GEBREK AAN PRESTASIE VAN DIE BETROKKE MIDDEL AS GEVOLG VAN DIE VERSUIM VAN DIE GEBRUIKER OM DIE 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.

VOORSORGMATREËLS

Vermyn inaseming van die spuitnewel en voorkom aanraking met vel en oë. Indien middel op die vel spat was onmiddellik met seep en water. Was met seep en water na gebruik.

Moet nie eet, drink of rook gedurende vermenging en toediening van middel óf alvorens hande en gesig gewas is nie.

Voorkom besoedeling van voedsel, voer, eetgerei en drinkwater.

Vermyn wegdrywing van spuitnewel na ander gewasse, weiveld, riviere, damme en plekke wat nie behandel moet word nie.

Dra rubberhandskoene en -stewels en gesigskerm wanneer die konsentraat hanteer word.

Indien dit in u oë kom, spoel onmiddellik uit. Indien dit op u vel kom, was dit dadelik af. Indien dit op u klere mors, trek uit en was dit. Was besoedelde klere na gebruik. Was uself.

Maak spuitapparaat skoon na gebruik en raak ontslae van spoelwater waar dit nie gewasse, weiveld, riviere, damme en boorgate besoedel nie.

Sodra leeg - Keer die leë houer om oor die spuittenk of mengbak en dreineer vir minstens 30 sekondes nadat die vloei tot 'n gedrup verminder het. Spoel die houer daarna driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi hierdie spoelwater by die inhoud van die spuittenk voordat die houer op die voorgeskrewe wyse vernietig word. Vernietig leë houer deur gate daarin te kap, plat te druk en daarvan ontslae te raak op 'n verantwoordelike wyse. Moet nie leë houer vir enige ander doel hergebruik nie.

SIMPTOME VAN MENSLIKE VERGIFTIGING:

Indien ingesluk, is vergiftigings-simptome gewoonlik nie spesifiek nie, soos naarheid, braking, diaree en maagpyn. Indien groot dosisse ingeneem is, kan versteurings van die senuweestelsel voorkom met ataksie, swakheid van ledemate, stuiptrekkings, koma en dood a.g.v. respiratoriese onderdrukking.

NOODHULPBEHANDELING:

Velkontak: Was vel onmiddellik met seep en water.

Spatsels in oë: Hou ooglede oop en spoel met 'n ligte stroom water vir 10 - 15 minute. Gaan na 'n dokter.

Inname: Moet nie braking veroorsaak nie. Indien meer as 'n klein hoeveelheid ingeneem is en die persoon by sy positiewe is, spoel die mond uit met water en gee nagenoeg 300 ml warm water om te drink. Neem die persoon en hierdie produk etiket onmiddellik na 'n dokter vir mediese behandeling.

NOTA AAN GENEESHEER:

Behandel simptome en ondersteunend. Indien 'n maagspoeling of braking oorweeg word, voorkom inaseming van die maaginhoud. Oorweeg toediening van geaktiveerde houtskool en 'n purgeermiddel.

WEERSTANDWAARSKUWING:

Cylam 50 EC is 'n groepkode 3 insekdoder. Enige insek populasie sal enkele individue bevat wat weerstand het teen **Cylam 50 EC** en ander groepkode 3 insekdoders. Die weerstandbiedende individue kan uiteindelik die insekpopulasie domineer wanneer hierdie insekdoder herhaaldelik gebruik word. Die weerstandbiedende insekte mag dalk nie deur **Cylam 50 EC** of ander groepkode 3 insekdoders beheer word nie. Ervare konsultante moet gekontak word oor plaaslike weerstandsbeheer strategieë. Die volgende klassifikasies is gebaseer op die manier van werking. Hierdie klassifikasies bewys dat insek- en myt weerstand teen insekdoders en mytdoders ontstaan as gevolg van verhoogde metabolisme, verlaagde penetrasie of gedragsveranderinge. Hierdie verandering is nie gekoppel aan enige "site of action" klassifikasie nie, maar is spesifiek vir individuele chemikalieë of chemiese groepe. Nieteenstaande, bly die afwisseling van mengsels met verskillende chemiese klasse steeds 'n lewensvatbare bestuurstegniek.

Die vertraging van insekmiddel weerstandbiedendheid kan verky word deur:

- Vermyn eksklusiewe, herhaaldelike gebruik van insekdoders van dieselfde chemiese subgroep.
- Integreer verskeie beheermaatreëls (chemies, kultuur, biologies) in insekbeheer programme.

Weerstand van Amerikaanse bolwurm (*Helicoverpa armigera*) teen sintetiese piretroïedes is bevestig.

MOET NIE meer as twee toedienings per groeiseisoen toedien nie. As 'n piretroïedbespuiting swak beheer gee moet nie met enige sintetiese piretroïed, selfs teen 'n korrektiewe dosis, herspuit word nie. Gebruik 'n produk uit 'n ander chemiese groep. Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.

Lugtoediening:

Cylam 50 EC kan in sekere gevalle deur middel van lugbespuiting toegedien word mits die spuitstof egalig oor die teikengebied versprei word en die verlies aan spuitmiddel tydens toediening tot 'n minimum beperk word. Lugtoediening met deur 'n spesialis toediener toegedien word sodat aan die vereistes wat deur Wet Nr. 36 van 1947 vereis word, voldoen word. Verwys na die SANS vir Lugtoediening van Landboumiddels (SANS 10118). Ten einde hieraan te voldoen, moet die volgende vereistes nagekom word.

Al die spuitneuse / atomiseerders moet in die binneste 60 - 70% van die vlerkspan geplaas word om die beweging van druppels in die vlerkvorteks te beperk.

'n Minimum spuitvolume van 30 l / ha

'n Minimum van 30 tot 40 druppels / cm² moet op die teikengebied herwin word.

Die KV van die druppelverspreiding moet nie 40 % oorskry nie. Gebruik 'n druppelspektrum van 'n VMD van 250 tot 280 mikron.

Die volgende vlieghoogtes bo die teikengebied moet gehandhaaf word:

Windsnelheid

0 – 8 km / uur

9 – 15 km / uur

Meer as 15 km / uur

Vlieghoogte

3 meter

2 meter

staak toediening

Die verskil tussen die nat- en droëbollesing, soos met 'n swaaihigrometer bepaal, moet nie meer as 8°C wees nie.

Moet nie tydens middag-hitte spuit nie. Lugtoediening onder temperatuur inversie toestande (veral oor nat of besproeide lande) mag swak druppelbedekking op die teikenarea tot gevolg hê wat aanleiding tot verlaagde effektiwiteit van die landboumiddel mag gee.

Die hoogte van die spuitbalk moet op 3 - 4 meter bo die teiken gehandhaaf word. Moet nie spuit wanneer die vliegtuig besig is om te klim, tydens toppunt, gedurende 'n duik of tydens landing nie.

Dra sorg dat die lande akkuraat gemerk is en dat die spuitoperator presies weet watter lande bespuit moet word.

Hierdie produk moet nie uit die lug toegedien word tydens onstabiele, turbulente toestande gedurende die hitte van die dag wanneer styg en dalende konveksie windbeweging plaasvind nie.

Dit is belangrik om daarop te let dat die lugtoediening van hierdie produk onder temperatuur inversie toestande (deur bo of binne die inversie laag te spuit) tot die volgende probleme mag aanleiding gee:

- Verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang en moontlik verdamp (onvoldoende bedekking op teiken).
- Skade aan ander nie-teiken gewasse of ander sensitiewe areas a.g.v die wegdryf van die spuitwolk tot by daardie area.

Verkry versekering van die lugbespuitingsoperator dat bogenoemde vereistes nagekom sal word.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

Verenigbaarheid

Moet nie met die volgende meng nie: amitras, chinometionat, protiofos, vamidotion of seewierekstrakte nie. Die verenigbaarheid van **Cylam 50 EC** met ander produkte kan beïnvloed word deur die formulering van die produkte betrokke asook deur die kwaliteit van die water. Aangesien die formulering van ander produkte kan verander en die kwaliteit van die water ook van plaas tot plaas kan varieër, moet 'n fisiese verenigbaarheidstoets altyd uitgevoer word voordat gespuit word.

Menginstruksies

Vul spuittenk half met skoon water. Voeg die regte hoeveelheid **Cylam 50 EC** by terwyl deeglik geroer word. Vul tenk tot verlangde volume en verseker deeglike vermenging terwyl gespuit word. Roer aanhoudend terwyl die spuittenk volgemaak word asook gedurende bespuiting. Aangemaakte spuitmengsel moet nie in die spuittenk gelaat word vir enige bepaalde tydperk, b.v. oornag nie.

Grondtoediening:

Met hoë volume spuitapparaat en newelblaser gebruik holkeëlspruitkoppe wat 'n medium tot fyn druppelgrootte lewer. Die spuit moet akkuraat gekalibreer word voor bespuiting en tydens toediening moet goeie bedekking verseker word. Versprei die spuitmengsel egalig oor die teikengebied. Die gebruik van valarms op konvensionele spuitbalke word aanbeveel wanneer gewasse soos tamaties gespuit word. Moenie plante wat nat is as gevolg van die dou of reën, spuit nie.

GEWAS / PLAAG	DOSIS	OPMERKINGS
ALLE GEWASSE Snywurms	70 ml /ha	Dien Cylam 50 EC voorkomend (voor opkoms) óf korrekatief (na-opkoms) as volg toe: Die grond wat bespuit gaan word moet goed voorberei wees - vry van kluite en oortollige plantreste. In situasies waar minimum bewerkingspraktyke beoefen word, is snywurmggetalle gewoonlik hoog. In sulke situasies moet die snywurmpopulasie na die eerste bespuiting gemonitor word en indien nodig, met 'n tweede bespuiting opgevolg word. Dien toe as 'n algehele korrekiewe toediening teen die aanbevole dosis.
Voorkomende bespuiting (voor opkoms) en Korrekiewe bespuiting (na-opkoms):	0,23 ml /100 m ry	Dien SLEGS toe wanneer die boonste 3 cm van die grond vogtig is. Grondtoediening: Rybehandeling: dien toe in ten minste 3 ℓ water in 'n 30 cm wye band oor die ry.
	70 ml /ha	Algehele toediening: dien toe in 300 ℓ water / ha.
	70 ml /ha	Lugtoediening: Dien toe in 30 ℓ water / ha.

GEWAS / PLAAG	DOSIS	OPMERKINGS
GRONDBONE, DROËBONE, GROENBONE, LUSERN, MIELIES EN SUIKERMIELIES Amerikaanse bolwurm	100 ml /ha 100 ml /ha	Grondtoediening: Dien toe in 250 - 500 ℓ water/ha afhange van plantgrootte. Verken lande elke 7 dae vanaf blomvorming en begin bespuiting wanneer infestasi opgemerk word. Vir die beste beheer moet larwes kleiner as 1 cm bespuit word, maar definitief voordat hulle 2 cm in lengte bereik. Verken lande elke 7 dae of 3 dae na reënval en herhaal bespuiting indien nodig. Lugtoediening: (Slegs grondbone, droëbone en groenbone). Dien toe in 30 ℓ water / ha. Verwys na “Weerstandwaarskuwing”.
LUPIENE Amerikaanse bolwurm	110 - 120 ml /ha 120 ml /ha	Grondtoediening: Dien toe in nie minder as 300ℓ water / ha nie. Toediening moet geskied wanneer die larftelling 1 - 2 larwes/m ² bereik en voordat peule binnegedring word. Dien laer dosis toe op jong plante en die hoër dosis op welgroeie plante. Lugtoediening: Dien toe in 30 ℓ water / ha. Verwys na “Weerstandwaarskuwing”.
MIELIES Stronkboorder <i>Busseola fusca</i> (Eerste- en tweede generasie) <i>Chilo partellus</i> (Eerste- en tweede generasie)	1,2 ml /100 m ry (120 ml /ha) 120 ml /ha	Dien toe sodra daar 5 % eierlegging op, óf 10 % skade aan plante voorkom. 'n Tweede bespuiting mag nodig wees 10 - 14 dae later vir stronkboorderbeheer en vóór baardvorming vir <i>Chilo partellus</i> beheer. Rig bespuiting direk in plantkelk in. Dien toe in 'n minimum van 3 ℓ water/ 100 m ry. Lugtoediening: Dien toe soos hierbo in 30 ℓ water / ha.
UIE Blaaspootjies	80 - 120 ml /ha	Dien toe in 'n spuitprogram van 10 - 14 dae by die eerste waarneming van die blaaspootjieskade-simptome op die uielobbe. Gebruik die laer dosis indien 0,6 blaaspootjies per plant getel word en volg op met die hoër dosis 10 - 14 dae later. Nie vir gebruik op spruitui nie.

GEWAS / PLAAG	DOSIS	OPMERKINGS
PRUIME, NEKTARIENS, TAFELPERSKES, INMAAKPERSKES EN APPELKOSE Amerikaanse bolwurm	10 ml/100 l water (250 - 350 ml/ha)	Dien toe sodra 'n besmetting opgemerk word en herhaal wanneer nodig. Moet nie spuit voor 75 % blomblaarval nie. Verwys na “Weerstandwaarskuwing”.
AARTAPPELS Aartappelmot-larf en Amerikaanse bolwurm	120 ml / ha 132 ml /ha	Grondtoediening: Dien toe in 250 - 500 l water/ha afhangende van plantgrootte. Begin bespuiting wanneer plante een maand oud is of vroeër indien besmetting voorkom. Herhaal toediening elke 10 - 14 dae en erd ten minste twee keer gedurende die seisoen op. Lugtoediening: Dien toe in minstens 30 l water/ha. Begin bespuiting wanneer plante een maand oud is of vroeër indien besmetting voorkom. Herhaal toediening elke 10 - 14 dae en erd ten minste twee keer gedurende die seisoen op. Verwys na “Wweerstandwaarskuwing”.
SORGHUM Mieliestronkboorder (<i>Busseola fusca</i>) Amerikaanse bolwurm	1 ml /100 m ry 100 ml /ha 100 ml /ha	Grondtoediening: Dien toe in 3 l water in die kelkstadium wanneer 5 % van die plante haelskade simptome toon en voordat die larwes die stam binnedring. Rig bespuiting in kelk in. Sal ook <i>Chilo partellus</i> beheer indien teenwoordig tydens toediening. Lugtoediening: Dien toe in 30 l water / ha. Spuit sodra infestasië opgemerk word en herhaal indien nodig. Grondtoediening: Verseker deeglike benatting. Gebruik in 250 - 500 l water/ha. Lugtoediening: Dien toe in ten minste 30 l water / ha. Verwys na “Weerstandwaarskuwing”.
SOJABONE Amerikaanse bolwurm	120 ml /ha 120 ml /ha	Grondtoediening: Dien toe sodra infestasië opgemerk word en herhaal indien nodig. Dien toe in 200 - 300 l water / ha en verseker deeglike benatting van plante. Lugtoediening: Dien toe in ten minste 30 l water / ha. Verwys na “Weerstandwaarskuwing”.

GEWAS / PLAAG	DOSIS	OPMERKINGS
SUIKERMIELIES Pienkstronkboorder (<i>Sesamia calamistis</i>)	1,0 ml /100 m ry	Grondtoediening: Dien toe direk in die kelk van die mielieplante binne 14 dae nadat die plante opgekom het. 'n Opvolgbespuiting 14 dae later moet gedoen word en indien nodig tot by blomvorming om herbesmetting te beheer. 'n Minimum van 3,0 l spuitmengsel / 100 m ry moet toegedien word.
KORING Amerikaanse bolwurm	120 ml /ha	Spuut sodra infestasië opgemerk word en herhaal indien nodig. Grondtoediening: Verseker deeglike benatting. Gebruik in 250 - 500 l water/ha. Lugtoediening: Dien toe in ten minste 30 l water / ha. Verwys na “Weerstandwaarskuwing”.

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