

[Sales Panel]

See enclosed leaflet for full details /
Sien ingeslote pamflet vir volle besonderhede

Before using this product read the label carefully

Cylam 50 EC

Namibia: Reg. No. N-AR 1252

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.

Insecticide Group Code **3** Insekdodergroepkode

ACTIVE INGREDIENT:

AKTIEWE BESTANDDEEL:

Lambda-cyhalothrin (pyrethroid) 50 g/ℓ Lambda-sihalotrin (piretroïed)

Net Volume



Netto Volume



REGISTRATION HOLDER / REGISTRASIEHOUER:

AECI Limited / AECI Beperk
Reg. No. / Nr. 1924/002590/06
P.O. Box / Posbus 14418
Witfield, 1467
Tel : (011) 823 8000
www.aeciph.com

IN CASE OF POISONING PLEASE PHONE / IN GEVAL VAN VERGIFTIGING SKAKEL
(021) 931 6129 / 082 446 8946/ 0861 555777

UN No. / VN Nr. 3351

Pyrethroid pesticide, liquid, toxic, flammable

BATCH NO / LOT NR:

DATE OF MANUFACTURE / VERVAARDIGINGSDATUM:



**HARMFUL
SKADELIK**



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HARMFUL

WARNINGS:

ALLOW THE FOLLOWING NUMBER OF DAYS BETWEEN THE LAST APPLICATION AND HARVEST OR GRAZING.

Apricots, nectarines, plums and table peaches	14 days
Sorghum, wheat and soybeans [grazing]	28 days
Dry beans, maize and sweetcorn	7 days
Green beans	1 day
Potatoes, onions and canning peaches	3 days
Lupins [grazing]	2 days
Lucerne [grazing]	8 days

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local Maximum Residue Limits (MRL's), but the import tolerances of other countries might possibly be exceeded. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, Maximum Residue Limits and recommended withholding periods.

Handle concentrate with extreme care.

Product may be fatal when inhaled.

Harmful if swallowed or absorbed through the skin.

May cause serious eye damage and a mild skin irritation.

Toxic to fish and wildlife.

At rates as high as 300 ml / ha applied according to label recommendation, **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 a cool, dry place away from food and feed.

Keep out of reach of children, uninformed persons and animals.

FLAMMABLE - keep away from open flames.

Re-entry: Do not enter treated area within 1 day after treatment unless wearing protective clothing. In case of poisoning contact a doctor and make this label available to him.

Aerial Application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

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 TO 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 skin and eye contact, or inhalation of the spray mist

In case of accidental skin contact, wash affected area immediately with soap and water.

Wear rubber gloves, 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.

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

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

Prevent spray drift onto other crops, grazing, rivers, dams and other areas not under treatment.

Clean applicator thoroughly before re-using and dispose of wash water where it will not contaminate crops, grazing, rivers and dams.

Rinse empty container three times with a volume of water equal to at least one tenth of the container and add rinsing to the contents of the spray tank before disposing of the container. Destroy the empty container and do not use for any other purpose. The triple-rinsed container may be sent to an approved recycling company.

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 system may occur with ataxia, weakness of limbs, convulsions, coma and death from respiratory depression.

FIRST AID TREATMENT:

- **Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use. Thoroughly clean shoes before re-use. Get medical attention immediately.
- **Eye contact:** Check and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
- **Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention.

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.

To delay insecticide resistance:

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

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.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

Compatibility:

Do not mix with seaweed extract, amitraz or prothiophos. The compatibility of **Cylam 50 EC** with other products may be influenced by the formulation of the products involved as well as by 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.

NOTE: 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.

Aerial application:

Aerial application may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (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 are met:

Equipment:

Use suitable atomising equipment (hydraulic nozzles or rotary atomisers) that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product through drift.

The operator must use a setup that will produce a droplet spectrum with the lowest possible relative span.

All nozzles / atomisers should be positioned within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.

Application parameters:

A minimum volume of 30 ℓ spray mixture per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aurally at a lower volume rate than recommended above.

A droplet coverage of 30-40 droplets per cm² 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 (smaller than 150 microns) is restricted to a minimum.

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

- Apply before the crop becomes too dense, thus preventing proper coverage of the plants.

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 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 if the wind speed exceeds 15 km/h.

- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) 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 drifting of the suspended spray cloud away from the target field.

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.

APPLICATION RATES:

CROP / PEST	DOSAGE	REMARKS
ALL CROPS Cutworms (<i>Agrotis</i> spp.)		Apply Cylam 50 EC only when plants are in the seedling stage or before crop emergence. Do not apply when the soil is dry. Apply Cylam 50 EC as a preventive (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.
	0,23 ml / 100 m row 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.
	70 ml / ha	Aerial application: • Apply in 30 l water / ha.
GROUNDNUTS, DRY BEANS, GREEN BEANS, LUCERNE, MAIZE & SWEETCORN American bollworm (<i>Helicoverpa armigera</i>)	Refer to “RESISTANCE WARNING”, above.	
	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.

	100 ml / ha	Aerial application: (groundnuts, dry beans and green beans ONLY) Apply in 30 l water / ha.
LUPINS American bollworm (<i>Helicoverpa armigera</i>)	Refer to “RESISTANCE WARNING”, above.	
	110 - 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 / m ² before pods are penetrated by the larvae. Apply lower dosage rate to young plants and higher rate to strongly growing plants.
	120 ml / ha	Aerial application: Apply in 30 l water / ha.
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)	Ground application: Apply as soon as eggs are found on 5 % of the plants or 10 % of the 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.
	120 ml / ha	Aerial application: Apply as above in 30 l water / ha.
ONIONS Thrips (<i>Thrips tabaci</i>)	80 - 120 ml / ha	Apply in a spray programme of 10 - 14 days at the first signs of damage on onion leaves. Use the lower dosage rate when thrips counts reach 0,6 thrips per plant and follow up with the higher dosage rate 10 - 14 days later.
	Do not apply to spring onions.	
PLUMS, NECTARINES, PEACHES & APRICOTS American bollworm (<i>Helicoverpa armigera</i>)	Refer to “RESISTANCE WARNING”, above.	
	10 ml / 100 l water (250 - 350 ml / ha)	Apply at the first sign of infestation and repeat if necessary. Do not apply before 75 % petal drop.
POTATOES Potato tuber moth (larvae) (<i>Phthorimaea operculella</i>) & American bollworm (<i>Helicoverpa armigera</i>)	Refer to “RESISTANCE WARNING”, above.	
	120 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 growing season.
	132 ml / ha	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.

SORGHUM Maize stalk borer (<i>Busseola fusca</i>)	1 ml / 100 m row	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.
	100 ml / ha	Aerial application: Apply in 30 l water / ha.
American bollworm (<i>Helicoverpa armigera</i>)	Refer to “RESISTANCE WARNING”, above.	
	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.
SOYBEANS American bollworm (<i>Helicoverpa armigera</i>)	Refer to “RESISTANCE WARNING”, above.	
	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.
	120 ml / ha	Aerial application: Apply in at least 30 l water / ha.
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 l spray mixture / 100 m row must be applied.
WHEAT American bollworm (<i>Helicoverpa armigera</i>)	Refer to “RESISTANCE WARNING”, above.	
	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.

Cylam 50 EC

Namibië: Reg. Nr. N-AR 1252

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

Insekdodergroepkode 3

AKTIEWE BESTANDDEEL:

Lambda-sihalotrin (piretroïed) 50 g/l

Registrasiehouer:

AECI Beperk
Reg. Nr. 1924/002590/06
Posbus 14418
Witfield 1467



SKADELIK

WAARSKUWINGS:

• Onthoudingsperiodes:

Laat die volgende aantal dae toe tussen die laaste toediening en oes of beweiding.

Appelkose, nektariens, pruime en tafelperskes 14 dae

Sorghum, koring en sojabone [beweiding] 28 dae

Droëbone, mielies en suikermielies 7 dae

Groenbone 1 dag

Aartappels, uie en inmaakperskes 3 dae

Lupiene [beweiding] 2 dae

Lusern [beweiding] 8 dae

LET WEL: Nakoming van hierdie onthoudingsperiodes sal verseker dat die plaaslike Maksimum Residu Limiete (MRL's) nie oorskry word nie, maar mag dalk nie voldoen aan die invoervereistes van ander lande nie. Indien die gewas wat behandel gaan word bestem is vir uitvoer, skakel met die betrokke invoerder of uitvoerliggaam rakende die gebruik van hierdie produk, maksimum residu vereistes en aanbevole onthoudingsperiodes.

Produk mag dodelik wees indien ingeasem.

Hanteer uiters versigtig.

Skadelik indien ingesluk of deur die vel geabsorbeer.

Mag ernstige oogskade en 'n ligte velirritasie veroorsaak.

Hanteer konsentraat uiters versigtig.

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.

Berg agter slot en grendel in 'n koel, droë plek weg van voedsel en voer.

Hou buite bereik van kinders, oningeligte persone en diere.

VLAMBAAR - hou weg van oop vlamme.

Herbetreding: Moenie behandelde gebied betree vir 1 dag na bespuiting nie, tensy beskermende oorklere gedra word. In geval van vergiftiging ontbied 'n geneesheer en toon hierdie etiket aan hom.

Lugtoediening: Stel alle inwoners in die onmiddellike omgewing van die gebied wat bespuit gaan word in kennis en reik die nodige waarskuwings uit. Moenie direk oor water spuit of toelaat dat sproeiwater oor omliggende gebiede of water waai nie.

ALHOEWEL HIERDIE MIDDEL OMVATTEND ONDER 'N GROOT VERSEIDENHEID TOESTANDE GETOETS IS, WAARBORG DIE REGISTRASIEHOER 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 REGISTRASIEHOER 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:

Voorkom aanraking met vel en oë, en vermy inaseming van die sproeinewel.

Ingeval van velkontak, was onmiddellik met seep en water.

Dra rubberhandskoene, 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.

Dra rubberhandskoene, stewels en gesigskerm wanneer die konsentraat hanteer word. Was met seep en koue water na gebruik of velkontak.

Moenie eet, drink of rook tydens vermenging of toediening of voordat hande en gesig gewas en skoon klere aangetrek is nie.

Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.

Verhoed die wegdrywing van sproeinewel na ander gewasse, weidings, riviëre, damme of ander gebiede wat nie behandel word nie.

Maak toedieningsapparaat skoon voor her-gebruik en doen weg met waswater waar dit nie gewasse, weiding, riviëre en damme sal besoedel nie.

Spoel die houer driekeer uit met 'n volume water gelykstaande aan 'n minimum van 10% van die houer. Gooi die spoelwater by die inhoud van die spuittenk voordat die houer vernietig word. Vernietig leë houer en moenie vir ander doeleindes gebruik nie. Leë houters wat driekeer uitgespoel is kan aan 'n goedgekeurde verwerkingsmaatskappy gestuur word.

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 verstourings van die senuweestelsel voorkom met ataksie, swakheid van ledemate, stuiptrekkings, koma en dood a.g.v. respiratoriese onderdrukking.

NOODHULPBEHANDELING:

Velkontak: Ingeval van velkontak, spoel onmiddellik met genoegsame water vir minstens 15 minute terwyl besoedelde klere en skoene uitgetrek word. Was klere voor her-gebruik. Maak skoene deeglik skoon voor hergebruik. Verkry onmiddellik mediese hulp.

Oogkontak Maak seker dat enige kontaklense word verwyder. In geval van velkontak, spoel oë onmiddellik met genoegsame water vir minstens 15 minute. Koue water mag gebruik word. Verkry onmiddellik mediese hulp.

Ingesluk: Moenie braking veroorsaak tensy so aanbeveel deur mediese personeel. Moet nooit iets per mond aan 'n bewustelose persoon toedien nie. Maak styfpassende klere soos bv. kraag, das, lyfband of gordel los. Verkry mediese hulp.

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 insluit 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.

Om weerstand teen insekdoders te vertraag:

- Vermyn eksklusiewe, herhaaldelike gebruik van insekdoders van dieselfde insekdodergroepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende insekdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekbeheerprogramme.

Weerstand van Amerikaanse bolwurm (*Helicoverpa armigera*) teen sintetiese piretroïedes is bevestig. MOENIE meer as twee toedienings per groeiseisoen toedien nie. As 'n piretroïedbespuiting swak beheer gee MOENIE 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.

GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI

Verenigbaarheid:

Moet nie met die volgende meng nie: amitras, protiofos 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.

Vermengingsinstruksies:

- 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.

LET WEL: Aangemaakte spuitmengsel moenie in die spuittenk gelaat word vir enige onbepaalde tydperk, bv. oornag nie.

Grondtoediening:

Met hoë volume spuitapparaat en newelblaser gebruik holkeëlsputkoppe 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 tomaties gespuit word. Moenie plante wat nat is as gevolg van die dou of reën, bespuit nie.

LUGTOEDIENING:

Lugtoediening mag slegs deur 'n geregistreerde lugbespuitingsoperateur met 'n korrek gekalibreerde, geregistreerde vliegtuig volgens die instruksies van SANS Kode 10118 (Aerial Application of Agricultural Pesticides) gedoen word. Dit is belangrik om te verseker dat die spuitmengsel eweredig oor die teikenarea versprei word en dat die verlies aan spuitmengsel tydens toediening tot 'n minimum beperk word. Dit is dus belangrik om aan die volgende kriteria te voldoen:

Toerusting:

- Gebruik geskikte atomiseringsapparaat (hidroliese of roterende spuitkoppe) wat die vereiste druppelgrootte en bedekking sal produseer, maar wat die minste verlies van produk deur wegdrywing sal verseker.
- Die operateur moet 'n stelsel gebruik wat 'n druppelspektrum met die kleinste moontlike relatiewe span sal produseer.
- Al die spuitneuse/atomiseerders moet in die binneste 60 tot 75 % van die vlerkspan geplaas word om die beweging van druppels in die vlerkvorteks in te verhoed.

Toedieningsparameters:

'n Minimum volume van 30 ℓ spuitmengsel per hektaar word aanbeveel. Aangesien hierdie produk nie teen 'n verlaagde volume getoets is nie, kan die registrasiehouer nie effektiwiteit waarborg, of verantwoordelik gehou word vir enige nadelige effek indien hierdie produk teen 'n laer volume as hierbo aanbeveel, uit die lug toegedien word nie.

'n Druppelbedekking van 30-40 druppels per cm² moet op die teikenarea herwin word.

'n Druppelspektrum met 'n VMD van 250 - 280 mikron word aanbeveel. Verseker dat die produksie van fyn druppels (kleiner as 150 mikron) tot 'n minimum beperk word.

Die hoogte van die spuitbalk moet op 3-4 meter bo die teiken gehandhaaf word. Moenie spuit wanneer die vliegtuig aan die bopunt is van, of tydens 'n duik, of terwyl dit uitklim of draai nie.

Dien toe voordat die gewas te ruig word wat sal verhoed dat plante behoorlik bedek word.

Meteorologiese toestande :

Die verskil tussen die nat- en droëbollesing, soos met 'n swaaihygrometer bepaal, moet nie 8°C oorskry nie.

Moenie toedien tydens turbulente, onstabiele toestande gedurende die hitte van die dag wanneer styg en dalende konveksie windbeweging plaasvind nie.

Moenie toedien onder temperatuur inversie toestande (deur bo of binne die inversielaag te spuit) nie.

Moenie spuit indien die windspoed 15 km/uur oorskry nie.

- 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:
 - a) verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang (onvoldoende bedekking op teiken).
 - b) skade aan nie-teiken gewasse of sensitiewe areas as gevolg van wegdrywing van die spuitwolk na nie-teiken area.

Algemeen :

Sorg dat die lande akkuraat gemerk is en die spuitoperator presies weet watter lande gespuit moet word.

Verkry 'n versekering van die spuitoperator dat aan die bogenoemde vereistes voldoen sal word.

TOEDIENINGSHOEVEELHEDE:

GEWAS / PLAAG	DOSIS	OPMERKINGS
ALLE GEWASSE Snywurms (<i>Agrotis</i> spp.)		Dien Cylam 50 EC slegs toe wanneer plante in die saailingstadium is of vooropkoms van die gewas. Die middel moenie op droë grond toegedien word nie. 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 snywurmgetalle 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 korrektiewe toediening teen die aanbevole dosis. Dien SLEGS toe wanneer die boonste 3 cm van die grond vogtig is.
	0,23 ml / 100 m ry	Grondtoediening: • Rybehandeling: dien toe in minstens 3 ℓ

	70 ml / ha	water in 'n 30 cm wye band oor die ry. • Algehele toediening: dien toe in 300 l water / ha.
	70 ml / ha	Lugtoediening: • Dien toe in 30 l water / ha.
AARTAPPELS Aartappelmot (larwe) (<i>Phthorimaea operculella</i>) en Amerikaanse bolwurm (<i>Helicoverpa armigera</i>)	Verwys na “WEERSTANDWAARSKUWING” hierbo.	
	120 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 minstens twee keer gedurende die seisoen op.
	132 ml / ha	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 minstens twee keer gedurende die seisoen op.
GRONDBONE, DROËBONE, GROENBONE, LUSERN, MIELIES EN SUIKERMIELIES Amerikaanse bolwurm (<i>Helicoverpa armigera</i>)	Verwys na “WEERSTANDWAARSKUWING” hierbo.	
	100 ml / ha	Grondtoediening: Dien toe in 250 - 500 l water / ha afhangende van plantgrootte. Verken lande elke 7 dae vanaf blomvorming en begin bespuiting wanneer infestasië 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.
	100 ml / ha	Lugtoediening: (SLEGS grondbone, droëbone en groenbone). Dien toe in 30 l water / ha.
KORING Amerikaanse bolwurm (<i>Helicoverpa armigera</i>)	Verwys na “WEERSTANDWAARSKUWING” hierbo.	
	120 ml / 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 minstens 30 l water / ha.
LUPIENE Amerikaanse bolwurm (<i>Helicoverpa armigera</i>)	Verwys na “WEERSTANDWAARSKUWING” hierbo.	
	110 - 120 ml / ha	Grondtoediening: Dien toe in nie minder as 300 l 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 welgroeïende plante.

	120 ml / ha	Lugtoediening: Dien toe in 30 l water / ha.
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)	Grondtoediening: 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.
	120 ml / ha	Lugtoediening: Dien toe soos hierbo in 30 l water / ha.
PRUIME, NEKTARIENS, PERSKES EN APPELKOSE Amerikaanse bolwurm (<i>Helicoverpa armigera</i>)	Verwys na “WEERSTANDWAARSKUWING” hierbo.	
	10 ml / 100 l water (250 - 350 ml / ha)	Dien toe sodra 'n besmetting opgemerk word en herhaal wanneer nodig. Moenie spuit voor 75 % blomblaarval nie.
SOJABONE Amerikaanse bolwurm (<i>Helicoverpa armigera</i>)	Verwys na “WEERSTANDWAARSKUWING” hierbo.	
	120 ml / ha	Grondtoediening: Dien toe sodra infestasié opgemerk word en herhaal indien nodig. Dien toe in 200 - 300 l water / ha en verseker deeglike benatting van plante.
	120 ml / ha	Lugtoediening: Dien toe in minstens 30 l water / ha.
SORGHUM Mieliestronkboorder (<i>Busseola fusca</i>)	1 ml / 100 m ry	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.
	100 ml / ha	Lugtoediening: Dien toe in 30 l water / ha.
Amerikaanse bolwurm (<i>Helicoverpa armigera</i>)	Verwys na “WEERSTANDWAARSKUWING” hierbo.	
	100 ml / ha	Spuut sodra infestasié opgemerk word en herhaal indien nodig. Grondtoediening: Verseker deeglike benatting. Gebruik in 250 - 500 l water / ha.

		Lugtoediening: Dien toe in minstens 30 ℓ water / ha.
SUIKERMIELIES Pienkstronkboorder (<i>Sesamia calamistis</i>)	1 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 ℓ spuitmengsel / 100 m ry moet toegedien word.
UIE Blaaspootjies (<i>Thrips tabaci</i>)	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 sprietuie nie.	