

## WARNINGS

**Hazard Statements:** Toxic if swallowed. May be harmful in contact with skin. Causes mild skin irritation. Causes serious eye damage. May cause damage to organs (eyes) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

## PRE-HARVEST INTERVAL (PHI):

Allow the following withholding (minimum number of days) between last application and harvesting:

CROPS	PHI (days)
Canola	28 days
Citrus	60 days
Macadamias	83 days
Maize	32 days
Maize (For Grazing)	35 days

**NOTE:** If this product is used according to the recommendations on this label, the withholding periods between last application and harvest meets local MRLs. However, Farm-Ag International (Pty) Ltd cannot be held responsible if exports MRLs of other countries are exceeded. In the case of crops intended for export, confirm withholding periods and specific tolerances with the relevant exporting body.

- Toxic to fish, bees and wildlife.
- 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.
- Maize: When the pivot application is used, the crop is not suitable for grazing.
- **Re-entry Interval:** – Do not enter treated area within one day after treatment unless wearing protective clothing. In case of poisoning – Call a doctor and make this label available to him.
- **Aerial application Warning:** - Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water or adjacent areas.

### DISCLAIMER:

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 because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned, as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment, or harm to man or animal or for lack of performance of the remedy concerned due to 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:

### Precautionary Statements

**General:** If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use.

**Prevention:** Do not breathe the mist, spray. Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective clothing, eye protection, face protection, protective gloves. [In case of inadequate ventilation] wear respiratory protection.

**Response:** IF SWALLOWED: Rinse mouth. Call a doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor. Get medical attention if you feel unwell. Specific treatment is urgent (see ANTIDOTE on this label). If skin irritation occurs: Get medical advice. Collect spillage.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents and container to an approved waste disposal plant.

- Prevent contamination of food, feed, drinking water and eating utensils.
- Prevent spray drift onto other crops, grazing or any other areas not under treatment as this will cause serious crop damage.

# LASCAR 500 EC

Reg. No. / Nr L11007 Act No. 36 of 1947/ Wet Nr 36 van 1947

**INSECTICIDE**



**READ THE LABEL AND ATTACHED PACKAGED LEAFLET BEFORE USE  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**IRAC INSECTICIDE GROUP CODE:**

**1B & 3A**

**IRAC INSEKODER GROEP KODE:**

A contact and stomach insecticide formulated as an emulsifiable concentrate for the control of various pests on crops as indicated

'n emulgeerbare konsentraat kontak- en maaginsekod-er vir die beheer van verskeie plae op gewasse soos aangedui.

### ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL:

Chlorpyrifos (Organophosphate).....450 g/ℓ.....Chlorpirifos (Organofosfaat)  
Cypermethrin (Pyrethroid).....50 g/ℓ..... Sipermetrien (Piretroïed)



**DANGER**

### Hazard Statements:

Toxic if swallowed.  
May be harmful in contact with skin.  
Causes mild skin irritation.  
Causes serious eye damage.  
May cause damage to organs (eyes) through prolonged or repeated exposure.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Do not breathe mist, spray.  
IF SWALLOWED: Immediately call a doctor.  
IF IN EYES: Rinse cautiously with water for several minutes.

Batch No:

D.O.M:

D.O.E:

Net Mass:

See reverse of packaging for details.

FOR FULL PARTICULARS SEE ATTACHED PAMPHLET.  
VIR VOLLEDIGE BESONDERHEDE KYK AANGEHEGTE ETIKET.

UN No. / VR Nr: 2902



REGISTRATION HOLDER/ REGISTRASIEHOUER  
Farm Ag International (Pty) Ltd  
Reg. Nr: Reg. No. 2005/011761/07  
61 Marshall Drive, Old Mill Industrial Park,  
Mount Edgecombe, South Africa, 4300  
Tel: 031 003 3486

Poison Information Helpline (24 hrs): 0861 555 777



**BARCODE**

100905

- Clean applicator thoroughly before re-using and dispose of wash water where it will not contaminate crops, grazing, rivers or dams.
- **TRIPLE RINSE the empty container as follows:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three times in succession with one quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank. Puncture the triple rinsed container and dispose of via an approved collector or recycler ([www.croplife.co.za](http://www.croplife.co.za)). Do not bury, burn or donate the container to any other parties that may use it as a container for food or beverages.

#### RELEVANT SUBSTANCES

NAME	PRODUCT IDENTIFIER
Chlorpyrifos 98% TC	CAS-No.: 2921-88-2
Solvent Naphtha	CAS-No.: 64742-94-5
Alkylbenzene sulfonate	CAS-No.: 68953-96-8
ricinus oil, ethoxylated	CAS-No.: 61791-12-6
Cypermethrin 97% TC	CAS-No.: 52315-07-8

#### SYMPTOMS OF HUMAN POISONING:

Headache, dizziness, blurred vision, muscle twitching, nausea, abdominal cramps, diarrhoea and sweating.

#### FIRST AID TREATMENT:

- Inhalation:** If inhaled, remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Eye contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Warm water **MUST** be used. Get medical attention immediately.
- Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before re-use. Thoroughly clean shoes before re- use. Get medical attention.
- Ingestion:** If swallowed, **DO NOT** induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

#### NOTE TO PHYSICIAN

Administer Atropine sulphate intravenously (1-4 mg) every 5 - 10 minutes until signs of atropinisation (dry flushed skin and tachycardia) appear. Give 2 PAM 50 mg/kg up to a dosage of 1-2 g or 2/3 of the dosage of Protopam. Repeat oximes if necessary. Do not give Morphine. If ingested perform gastric lavage and administer activated charcoal.

#### RESISTANCE WARNING

For resistance management **LASCAR 500 EC** is a group codes 1B and 3A insecticide. Any insect population may contain individuals naturally resistant to **LASCAR 500 EC** and other group codes 1B and 3A insecticides. The resistant individuals dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **LASCAR 500 EC** or other group codes 1B and 3A 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 of insecticides from the same insecticide group codes. Alternate or tank mix with products from different insecticide group codes.
- Integrate other control methods [chemical, cultural, biological] into insect control programmes. For specific information on resistance management contact the registration holder of this product.

**MODE OF ACTION:**

**Chlopyrifos:** Non-systemic insecticide with contact, stomach, and respiratory action. Control of Coleoptera, Diptera, Homoptera and Lepidoptera in soil or on foliage.

**Cypermethrin:** Acts on the nervous system of the insect, and disturbs the function of neurons by interaction with the sodium channel. Non-systemic insecticide with contact and stomach action. Also exhibits anti-feeding action. Good residual activity on treated plants.

**DIRECTIONS FOR USE: USE ONLY AS DIRECTED**

A registered buffering agent should be added to the spray water to decrease the pH to less than 5 and ensure that the active ingredients of **LASCAR 500 EC** do not hydrolyse. It is recommended to always add the buffering agent to the spray water first.

**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 25 - 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 aerially at a lower volume rate than recommended above.

A droplet coverage of 30-40 droplets per cm<sup>2</sup> must be recovered at the target.

A droplet spectrum with a VMD (volume Median Diameter) 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 or electronic 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 INSTRUCTIONS**

Where dosage rates are shown as per 100 ℓ water, this is for High Volume application/spraying.

**APPLICATION TABLE:**

CROP AND PEST	DOSAGE	REMARKS
<b>CANOLA</b> Diamond-back moth <i>(Plutella xylostella)</i> & Aphids <i>(Brevicoryne brassicae)</i>	1 ℓ /ha	<b>Ground application:</b> As soon as pests are noticed, apply as a single application using 110 - 250 ℓ water/ha <b>Aerial application:</b> Apply as a single application in at least 25 to 30 ℓ water / ha
<b>CITRUS</b> Red scale <i>(Aonidiella aurantii)</i>	105 mℓ/ 100lts water	<b>Preventative Treatment:</b> For use in orchards where Red Scale is under commercial control. 1. Apply as a full cover spray at 80 - 100% petal fall. 2. In hot, low lying areas, especially where there are young trees, or in other areas where a second spray is considered necessary, re-apply 5 to 8 weeks after the initial spring spray.
African bollworm <i>(Helicoverpa armigera)</i>	80 mℓ/100lts water	Apply as a light cover spray at first signs of pest during blossoming. Repeat if necessary.
Aphids <i>(Toxoptera spp)</i>	20 mℓ/100lts water	Apply as a light cover spray. Repeat if necessary.
Mealybugs	105 mℓ/100lts water	Apply as a full cover spray when first signs of pests are noticed, ensuring thorough coverage. Repeat if necessary.
Orange dog <i>(Papilio spp)</i>	50 mℓ/100lts water	Apply as a light cover spray. Repeat if necessary.
<b>MACADAMIAS</b> Stinkbug complex Two-spotted stinkbug <i>(Bathycoelia natalicola)</i>	105 mℓ/100lts water	Apply as a medium to full cover spray after the flowering stage when the pest is noticed. Repeat every 4-6 weeks if necessary, but do not exceed more than 4 applications.
<b>MAIZE</b> Black maize beetle <i>(Heteronychus arator)</i>	1 065 mℓ / ha  10 mℓ / 100 m row length in 3 ℓ water	Apply prior to planting as an overall application in 200 ℓ water. Incorporate into the soil to a depth of 10 cm with a rotary disc.  Apply in a 30 cm wide band behind the planter press-wheel and cover with a layer of soil by dragging a piece of iron or a chain behind the planter. There may be a reduction in efficacy under dry soil conditions.
Fall armyworm <i>(Spodoptera frugiperda)</i>	1 065 mℓ / ha	Apply once the infestation is noticed but not later than the 1st or 2nd-instar stage. Variable control may be expected from the 3rd-instar stage onwards. Direct the spray nozzles into the plant funnels using between 300 – 600 ℓ water. Ensure thorough coverage of the foliage. Repeat every 7 days if necessary.



## WAARSKUWINGS:

**Gevaarstellings:** Giftig indien ingesluk. Kan skadelik wees in kontak met die vel. Veroorsaak ligte velirritasie. Veroorsaak ernstige oogskade. Mag skade aan organe (oë) veroorsaak deur langdurige of herhaalde blootstelling. Baie giftig vir waterlewe met langdurige effekte.

## ONTHOUDINGSPERIODES

Laat die volgende onthoudingsperiodes toe (minimum aantal dae wat moet verstryk) tussen laaste toediening en oes:

GEWAS	PHI (Dae)
Kanola	28 dae
Sitrus	60 dae
Makadamias	83 dae
Mielies	32 dae
Mielies (vir beweiiding)	35 dae

**NOTA:** Ooreenstemming met hierdie onthoudingsperiodes sal verseker dat residuvlakke nie die plaaslike Maksimum Residuvlakke oorskry nie, maar Farm-Ag International (Pty) Ltd kan nie verantwoordelik gehou word as die uitvoer MRLs mag die invoer tolerasies van ander lande oorskry nie. Indien die gewas behandel bestem is vir uitvoer, raadpleeg die betrokke invoer- of uitvoerorganisasie vir inligting rakende die gebruik van die produk, die maksimum residuvlakke en die aanbevole onthoudingsperiodes.

- Giftig vir vis, bye en wild.
- Berg agter slot en grendel in 'n koel droë plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Mielies: Wanneer die spilpunt-toediening gebruik word, is die gewas nie geskik vir beweiiding nie.
- **Herbetroding:** Moenie behandelde gebied betree vir 1 dag na bespuiting nie, tensy beskermende oorklere gedra word. In geval van vergiftiging – ontbied 'n geneesheer en stel hierdie etiket aan hom beskikbaar.
- **Lugtoediening** - stel alle persone in die onmiddellike omgewing van die gebied wat behandel gaan word in kennis en reik die nodige waarskuwings uit. Moenie aangrensende gebiede of waterbronne bespuit of toelaat dat die sproeinewel daarheen oorwaai 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, verenigbaarheid met ander stowwe wat nie op die etiket aangedui is nie en die voorkoms van weerstand van die plae 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 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:

### Voorsorgstellings

**Algemeen:** Indien mediese advies benodig word, hou produkhouer of etiket byderhand. Hou buite bereik van kinders. Lees etiket voor gebruik.

**Voorkoming:** Moet nie mis, sproei inasem nie. Was hande, voorarms en gesig deeglik na hantering. Moet nie eet, drink of rook wanneer hierdie produk gebruik word nie. Gebruik slegs buite of in 'n goed geventileerde area. Vermoë vrylating na die omgewing. Dra beskermende klere, oogbeskerming, gesigbeskerming, beskermende handskoene. In geval van onvoldoende ventilasie dra asemhalingsbeskerming.

**Reaksie:** INDIEN INGESLUK: Spoel mond uit. Bel 'n dokter as jy onwel voel. INDIEN INGESAEM: Verwyder persoon na vars lug en hou gemaklik om asem te haal. INDIEN IN OË: Spoel versigtig uit met water vir 'n paar minute. Verwyder kontaklinse, indien teenwoordig en maklik om te doen. Gaan voort met spoel. Bel dadelik 'n dokter. Kry mediese hulp as jy onwel voel. Spesifieke behandeling is dringend (sien teenmiddel op hierdie etiket). Indien velirritasie voorkom: Kry mediese advies. Versamal gemors.

**Berging:** Berg in 'n goed geventileerde plek. Hou die houer dig toe. Stoor toegesluit.

**Wegdoening:** Gooi inhoud en houer weg na 'n goedgekeurde afvalverwyderingsaanleg.

- Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.

- Verhoed wegdrywing van sproeinewel na nie-teiken gewasse, weiding en ander gebiede wat nie behandel word nie, aangesien dit ernstige skade mag veroorsaak.
- Maak spuitapparaat deeglik skoon na gebruik en moenie ander gewasse, weiding, riviere of damme met waswater besoedel nie.
- **SPOEL die leë houër DRIEKEER UIT soos volg:** Keer die leë houër om oor die spuit- of mengtenk en dreineer vir ten minste 30 sekondes nadat die vloeï tot drup verlangsaam het. Spoel die leë houër daarna drie keer agtereenvolgens uit met een kwart van die houervolume vars water en gooi die spelwater in die spuit- of mengtenk. Prik die drievoudig uitgespoelde houër deur en gooi weg via 'n goedgekeurde versamelaar of herwinner ([www.croplife.co.za](http://www.croplife.co.za)). Moet nie die houër begrawe, verbrand of skenk aan enige ander partye wat dit as 'n houër vir kos of drank kan gebruik nie.

#### RELEVANTE STOWWE

NAAM	PRODUK IDENTIFISEERDER
Chloorpirifos 98% TS	CAS-Nr.: 2921-88-2
Oplosmiddel Nafta	CAS-Nr.: 64742-94-5
Alkielbenseensulfonaat	CAS-Nr.: 68953-96-8
Ricinusolie, geëkssileerde	CAS-Nr.: 61791-12-6
Sipermetrien 97% TS	CAS-Nr.: 52315-07-8

#### SIMPTOME VAN VERGIFTIGING:

Hoofpyn, duiseligheid, versteurde gesigsvermoë, spiertrekkings, mislikheid, buikpyn, buikloop en sweet.

#### NOODHULPBEHANDELING:

- Inaseming:** Indien ingeasem, verwyder pasiënt na vars lug. Indien die pers persoon asemhaal, dien kunsmatige asemhaling toe. Indien asemhaling bemoelik word, gee suurstof. Verkry mediese behandeling.
- Oogkontak:** Verseker dat enige kontaklense verwyder word. In geval van oogkontak, spoel onmiddellik met genoegsame water vir minstens 15minute warm water MOET gebruik word. Verkry mediese behandeling.
- Velkontak:** In geval van velkontak, spoel onmiddellik met genoegsame water vir minstens 15minute terwyl besoedelde klere en skoene verwyder word. Smeer 'n sagte room aan die geïrriteerde vel. Was klere en besoedelde skoene voor hergebruik. Verkry mediese behandeling.
- Ingesluk:** Indien ingesluk, MOENIE braking veroorsaak tensy so aanbeveel deur mediese personeel. Moet nooit iets per mond aan 'n bewustelose persoon gee nie. Indien groot hoeveelhede van die middel gedrink is, kontak 'n geneesheer onmiddellik Maak styfpasende klere, soos bv. kraag, belt of gordel los.

#### NOTA AAN GENEESHEER:

Dien atropiensulfaat binne-aars (1-4 mg) toe elke 5 tot 10minute tot die eerste tekens van atropinisasie (droë gloeiende vel en tagikardie), voorkom. Dien 2-PAM 50 mg/kg tot 'n totale dosis van 1 tot 2 g of Protopam teen 2/3 van hierdie dosis toe. Herhaal toediening van oksieme indien nodig. Moet geen morfin toedien nie. Indien ingesluk – doen maagspoeling en gee geaktiveerde houtskool.

#### WEERSTANDSWAARSKUWING:

Vir weerstandsbestuur is **LASCAR 500 EC** 'n Groepkodes 1B en 3A insekdoder. Enige populasie van 'n spesifieke insek mag individue insluit wat 'n natuurlike weerstand het teen **LASCAR 500 EC** of ander Groepkodes 1B en 3A insekdoder. Die weerstandbiedende individue domineer die insekpopulasie wanneer hierdie insekdoder herhaaldelik gebruik word. Die weerstandbiedende insekte mag dalk nie deur **LASCAR 500 EC** of ander Groepkodes 1B en 3A insekdoder 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 mytweerstand teen insek- 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 groepkodes. Nieteestaande, bly die afwisseling van middels met verskillende groepkodes steeds 'n lewensvatbare bestuurstechniek.

Om weerstand teen insekdoders te vertraag:

- Vermo die eksklusiewe herhaaldelike gebruik van insekdoders in dieselfde insekdodergroepkode. Wissel af met, of gebruik tenkingsels van produkte in verskillende insekdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekbeheerprogramme. Vir spesifieke inligting oor weerstandsbestuur kontak die registrasiehouer van hierdie produk.



#### **WYSE VAN AKSIE:**

**Chlopyrifos:** Nie-sistemiese insekdoder met kontak-, maag- en respiratoriese werking. Beheer van Coleoptera, Diptera, Homoptera en Lepidoptera in grond of op blare.

**Sipermetriën:** Werk op die senuweestelsel van die insek, en versteur die funksie van neurone deur interaksie met die natriumkanale. Nie-sistemiese insekdoder met kontak- en maagwerking. Toon ook anti-voeding aksie. Goeie nawerking op behandelde plante.

#### **GEBRUIKSAANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI**

'n Geregistreerde buffer middel moet by die water in die spuittenk gevoeg word om 'n pH van minder as 5 te verseker sodat die aktiewe bestanddele in **LASCAR 500 EC** nie afbreek nie. Die word aanbeveel dat buffer middel altyd eerste met die spuitwater gemeng word.

#### **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 Remedies) 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 vlerkvoorteks in te verhoed.

#### **Toedieningsparameters:**

'n Minimum volume van 25 - 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 cm<sup>2</sup> 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 toestand:**

- Die verskil tussen die nat- en droëbollesing, soos met 'n swaaihiërometer bepaal, moet nie 8°C oorskry nie.
- Moenie toedien tydens turbulente, onstabiele toestande gedurende die hitte van die dag wanneer styg en dalende konvekse 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:
- verlaagde effektiwiteit aangesien die druppels as 'n wolk in die lug bly hang (onvoldoende bedekking op teiken).
- 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 spuitoperateur presies weet watter lande gespuit moet word.

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

**TOEDIENINGSINSTRUKSIES:**

Hoeveelhede aangedui per 100 ℓ water is bedoel vir Hoë Volume bespuitings.

**TOEDIENINGSTABEL:**

<b>GEWAS EN PLAAG</b>	<b>DOSIS</b>	<b>OPMERKINGS</b>
<b>KANOLA</b> Ruitrugmot ( <i>Plutella xylostella</i> ) & Plantuise ( <i>Brevicoryne brassicae</i> )	1 ℓ /ha	<b>Grondtoediening:</b> Dien toe in 110- 250 ℓ water/ha as 'n enkel toediening sodra die eerste plaeg opgemerk word.  <b>Lugtoediening:</b> Dien toe in minstens 25 - 30 ℓ water / ha.
<b>SITRUS</b> Roodopluis ( <i>Aonidiella aurantii</i> )	105 mℓ / 100 ℓ water	<b>Voorkomende behandeling:</b> Vir die gebruik in boorde waar Roodopluis kommersieël onder beheer is. 1. Dien as 'n voldekbepuiting toe by 80 - 100 % blomblaarval. 2. In warm laagliggende gebiede met spesiale verwysing na jong bome óf in ander areas waar 'n tweede bespuiting nodig geag word, herhaal toediening 5 - 8 weke na die lentetoediening.
Afrika bolwurm ( <i>Helicoverpa armigera</i> )	80 mℓ /100 lts water	Dien toe met blomtyd as 'n ligte dekbespuiting wanneer plaag opgemerk word. Herhaal indien nodig.
Plantuise ( <i>Toxoptera</i> spp)	20 mℓ /100 lts water	Dien toe as 'n ligte dekbespuiting. Herhaal indien nodig.
Witluise ( <i>Planococcus citri</i> )	105 mℓ /100 lts water	Dien toe as 'n voldekbepuiting en verseker deeglike bedekking. wanneer plaag opgemerk word. Herhaal toediening indien nodig.
Lemoenvlinderruspe ( <i>Papilio</i> spp)	50 mℓ / 100lts water	Dien toe as 'n ligte dekbespuiting. Herhaal indien nodig.
<b>MAKADAMIAS</b> Stinkbesie kompleks Tweekolstinkbesie ( <i>Bathycolia natalicola</i> )	105 mℓ / 100 lts water	Dien na blomtyd toe as 'n medium tot voldekbepuiting tydens die eerste verskyning van die plaag. Herhaal elke 4-6 weke indien nodig, maar moenie meer as 4 toedienings oorskry nie.
<b>MIELIES</b> Swartmieliekewer ( <i>Heteronychus arator</i> )	1 065 mℓ / ha  10mℓ / 100 m rylengte in 3 ℓ water	Dien toe as 'n algehele dekbespuiting in 200 ℓ water vóór plant. Inkorporeer tot en met 'n diepte van 10 cm met die gebruik van 'n roterende skottel ploeg.  Dien toe as 'n 30 cm breë baan agter die planterdrukwiel en bedek met grond deur van 'n slypyster of ketting gebruik te maak. 'n Afname in effektiwiteit mag voorkom tydens droë grondtoestande.
Herfskommandowurm ( <i>Spodoptera frugiperda</i> )	1 065 mℓ / ha	Dien toe sodra die insfetasie gewaar word maar nie later as die 1ste of 2de "instar" stadium van die larf. Wisselvallige beheer kan verwag word indien vanaf die 3de larf instar stadium behandel word. Rig die spuitkop in die plante se kelk in.en gebruik tussen 300 tot 600 liter water.Verseker deeglike bedekking van die blare.Herhaal elke 7 dae indien nodig.



# LASCAR 500 EC

Reg. No. / Nr L11007 Act No. 36 of 1947/ Wet Nr 36 van 1947

**INSECTICIDE**



**READ THE LABEL AND ATTACHED PACKAGED LEAFLET BEFORE USE  
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

**IRAC INSECTICIDE GROUP CODE:**

**1B & 3A**

**IRAC INSEKODODERGROEP KODE:**

A contact and stomach insecticide formulated as an emulsifiable concentrate for the control of various pests on crops as indicated

'n emulgeerbare konsentraat kontak- en maaginsekododer vir die beheer van verskeie plae op gewasse soos aangedui.

### ACTIVE INGREDIENT/AKTIEWE BESTANDEEL:

Chlorpyrifos (Organophosphate).....450 g/l.....Chlorpirifos (Organofosfaat)  
Cypermethrin (Pyrethroid).....50 g/l..... Sipermetrien (Piretroïed)



**DANGER**

### Hazard Statements:

Toxic if swallowed.  
May be harmful in contact with skin.  
Causes mild skin irritation.  
Causes serious eye damage.  
May cause damage to organs (eyes) through prolonged or repeated exposure.  
Very toxic to aquatic life with long lasting effects.

### Precautionary Statements:

Do not breathe mist, spray.  
IF SWALLOWED: Immediately call a doctor.  
IF IN EYES: Rinse cautiously with water for several minutes.

Batch No:

D.O.M:

D.O.E:

Net Mass:

See reverse of packaging for details.

FOR FULL PARTICULARS SEE ATTACHED PAMPHLET.  
VIR VOLLEDIGE BESONDERHEDE KYK AANGEHEGTE ETIKET.

UN No. / VR Nr: 2902



REGISTRATION HOLDER/ REGISTRASIEHOUER  
Farm Ag International (Pty) Ltd  
Reg. Nr: Reg. No. 2005/011761/07  
61 Marshall Drive, Old Mill Industrial Park,  
Mount Edgecombe, South Africa, 4300  
Tel: 031 003 3486

Poison Information Helpline (24 hrs): 0861 555 777



**BARCODE**

100805

165(H) x 140(W) mm

CYAN

MAG

YEL

BLK

100605