An emulsifiable concentrate systemic, contact and stomach insecticide and acaricide for the control of pests in crops as indicated.

'n Emulgeerbare konsentraat insek- en mytdoder met sistemiese, kontak- en maagwerking vir die beheer van insekte soos aangedui.

Registration Holder and Distributed by:

Makhro Home And Garden (Pty) Ltd

Reg. Nr. 2014 / 283523 / 07

18 Viben Street, Brackenfell 7560

Tel: (021) 981 4011

MAKHRO HOME AND GARDEN (PTY) LTD

MAKHRO PLANT CARE

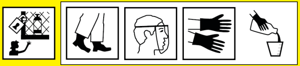
Reg. Nr. L9696 – Act 36 of 1947

N-AR 1822

IRAC GROUP CODE INSECTICIDE 3/4A IRAC INSEKDODERGROEPKODE

ACTIVE INGREDIENT / AKTIEWE BESTANDDEEL

Acetamiprid (acetamidine)	16 g / ℓ	Asetamipried (asetamidien)
Bifenthrin (pyrethroid)	30 g / ℓ	Bifentrien (piretroïed)



HARMFUL
SKADELIK

Yellow band

Geel band

MAKHRO PLANT CARE

L9696 – Act 36 of 1947 / N-AR 1822
IRAC GROUP CODE INSECTICIDE 3/4A
Aktiewe Bestanddeel: Acetamiprid (acetamidine 16 g / ℓ
Bifenthrin (pyrethroid) 30 g / ℓ
Registration Holder: MAKHRO HOME AND GARDEN (PTY) LTD (2014/283523/07)

Office No: 021 981 4011
21 Viben Street, Brackenfell
Technical advise: 082 562 5330
Medical Emergency: 0861 555 777

WARNINGS:
Withholding periods: Minimum number of days between last application and harvest or grazing
Cotton............................... 28 days
Potatoes........................... 21 days
Tomatoes.......................... 5 days

- Handle with care.
- Harmful if swallowed or inhaled.
- Irritating to eyes and skin.
- Toxic to aquatic organisms.
- **Flammable** – do not store or use near open flames.
- Store in a cool, dry place away from food, feedstuffs, seed, and fertilizers.
- Keep out of reach of children, uninformed persons and animals.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- **Safety to crops:** Under normal growing conditions, **MAKHRO PLANT CARE** is safe to all common cultivars as no noticeable phytotoxicity such as yield loss has been observed. Do not apply **MAKHRO PLANT CARE** to newly released cultivars, without first referring to the registration holder.

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 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:
- Avoid inhaling the spray mist.
- Avoid contact with skin and eyes.
- Wear a face shield, boots, and gloves when handling the undiluted product.
- Remove contaminated clothing and wash daily.
- Wash immediately with soap and cold water after accidental skin contact.
- In case of eye contact, hold eyelid open and wash out with clean running water for at least 15 minutes.
- Do not eat, drink or smoke while mixing or applying this product or before hands and face have been washed.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Invert the empty container over the mixing tank or spray tank and drain for at least 30 seconds after the flow has been reduced to a drip. Thereafter rinse the empty container at least three times with a volume of water equal to at least 10 % of that of the container. Add the rinsate into the spray tank.
- Destroy empty container by perforation and flattening and NEVER use for any other purpose.
- Clean the applicator thoroughly after use and dispose of wash water where it will not contaminate crops, rivers or dams.
- Avoid contamination of food, feedstuffs, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING:
May be irritating to mucous membranes, eyes and skin. Inhalation may cause coughing, shortness of breath, bronchospasm, chemical pneumonitis and lung oedema. Ingestion may cause nausea, vomiting, stomach ache and diarrhea.

FIRST AID TREATMENT:
Inhalation: Move victim to fresh air and keep him warm and at rest. If breathing is difficult give oxygen. If not breathing give artificial respiration. Get medical attention.
Ingestion: Do not induce vomiting. Wash out mouth with water. Get medical attention if necessary.
Skin contact: Take off contaminated clothing and wash off with plenty of cold water and soap. If necessary get medical attention.
Eye contact: Wash out with clean running water for at least 15 minutes. Get medical attention if necessary.

NOTE TO PHYSICIAN:
There is no specific antidote. If ingested perform gastric lavage and administer activated charcoal.
Treat symptomatically and give supportive therapy.

RESISTANCE WARNING:
For resistance management, **MAKHRO PLANT CARE** is classified as an IRAC group code 3/4A insecticide. Any insect population may contain individuals naturally resistant to **MAKHRO PLANT CARE** and other group code 3/4A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **MAKHRO PLANT CARE** or any other group code 3/4A insecticide.

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.
- Integrate the control methods (chemical, cultural, biological) into insect control programmes.

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

USE RESTRICTIONS:
- Avoid using **MAKHRO PLANT CARE** on plants that are under stress conditions caused by drought, nematodes and water logging conditions etc. Since this will affect the systemic uptake, translocation and chemical activity of the product.
- Avoid spraying **MAKHRO PLANT CARE** on plants covered with dust as dust interferes with the proper uptake of product and contact with insects.

DIRECTIONS FOR USE:
Use only as directed.

Compatibility:
The compatibility of **MAKHRO PLANT CARE** with other products may be influenced by the formulation of the product(s) it is mixed with as well as the quality of the dilution water. Since the formulation of other products may change without the knowledge of Makhro Home and Garden and the quality of the water may differ from farm and different areas, a physical compatibility test should always be carried out prior to application.

Mixing instructions:
Half fill the spray tank with clean water. Add the required quantity of **MAKHRO PLANT CARE** to a small amount of water and mix thoroughly before it is added to the spray tank while agitating. If **MAKHRO PLANT CARE** is tank mixed with other products, first mix these products separately with water before it is added to spray tank. Add water to just below the required capacity and then add the premixed **MAKHRO PLANT CARE** to the spray tank while continuously agitating the spray mixture. Fill the spray tank with water to the required level while continuously agitating. Refer to the labels of the products which will be tank mixed with **MAKHRO PLANT CARE** and adhere to the label instructions.
Only mix enough spray mixture sufficient for one day's spraying. Spray mixture should not be allowed to stand overnight.

Application:
MAKHRO PLANT CARE can be applied by any suitable medium or high volume spray equipment provided it is equipped with an efficient agitation system, it is able to distribute the spray mixture evenly over the target area and it is calibrated correctly.

APPLICATION RATES:

CROP AND PEST	DOSAGE RATE	REMARKS
ORNAMENTALS / PROTEA *Agapanthus spp; Phormium spp; Cuphea spp.*	40 mℓ/ 10 ℓ water	Commence application as soon as the first signs of infestation can be noticed through the presence of the larvae either in the soil and/ or damage on the roots of the plants. Early intervention will ensure better results.
White Grub / Larvae *(Coleoptera: Scarabaeidae)*		Thoroughly apply to the entire plant surface and ensure careful coverage of the soil surrounding the plant.
Aphids *(Aphis gossypii; Myzus persicae)*		Do not apply in a tank mixture with other products, foliar feeds or adjuvants.
Whiteflies *(Bemisia tabaci; Trialeurodes vaporarorium)*		Do not apply during hot, dry periods or when the plants are under physiological stresses viz. waterlogged, desiccated or heat stress.
Red Spider Mite *(Tetranychus spp.)*		Do not apply to flowering parts.
Bollworm *(Helicoverpa armigera)*		Repeat application when re-infestation is noticed.
Thrips		Commence application as soon as pest is noticed. Repeat 7-10 days later when necessary. Addition of a suitable wetter such as **SK ECO OIL SPRAY** oil at 0.5 % is recommended. Do not apply more than 4 applications per growing season.
COTTON Red spider mite *(Tetranychus spp.)*	10 mℓ/ 10ℓ water	Commence application as soon as the population index value reaches the 1.0 level. Do not delay application until high infestation levels are reached. Apply as full cover spray. Repeat application within 10 days after initial application. Ensure thorough wetting of the cotton plant including the undersides of the leaves. Do not apply more than 2 sprays per growing season.
Aphid *(Aphis gossypii)*	10 mℓ/ 10ℓ water	Commence application as soon as pest is noticed before pest count is above economic threshold. Ensure good coverage of the plants. A second application might be necessary 7-10 days later. This application will also control leaf hopper or Jassid *(Jacobiella fascialis).*
POTATOES Aphid *(Myzus persicae)*	10 mℓ/ 10ℓ water	Commence application as soon as pest is noticed. Repeat 10-14 days later when necessary. Addition of a suitable wetter such as **SK ECO OIL SPRAY** oil at 0.5 % is recommended.
Tuber moth *(Phthorimaea operculella)*	15 mℓ/ 10ℓ water	Commence spraying when plants are approximately one month old at first signs of infestation and repeat at 10—14 day intervals. Addition of a suitable wetter such as **SK ECO OIL SPRAY** oil at 0.5 % is recommended.
TOMATOES Red Spider Mite *(Tetranychus spp.)*	10 mℓ/ 10ℓ water	Commence application at flowering at first signs of infestation. Ensure thorough coverage of the plant including the undersides of leaves. Repeat application 7—10 days after initial spray. Do not apply more than 4 applications per growing season.
Whiteflies *(Bemisia tabaci; Trialeurodes vaporarorium)*		
African bollworm *(Helicoverpa armigera)*	10 mℓ/ 10ℓ water	Commence application at flowering or at first signs of infestation. Ensure thorough coverage of the plant including the leaves, flowers and fruit. Repeat application every 7—10 days if necessary. Do not apply more than 4 applications per growing season.

MAKHRO PLANT CARE

L9696 – Wet 36 van 1947 / N-AR 1822
IRAC INSEKDODERGROEPKODE 3/4A

Aktiewe Bestanddeel:	Asetamipried (asetamidien) 16 g / ℓ Bifentrien (piretroïed) 30 g / ℓ
Registrasiehouer:	MAKHRO HOME AND GARDEN (PTY) LTD (2014/283523/07)

MAKHRO HOME AND GARDEN

Kantoor Nr: 021 981 4011
Vibenstraat 21, Brackenfell
Tegniese advies: 082 562 5330
Mediese nood: 0861 555 777

WAARSKUWINGS:
Onthoudingsperiodes: Minimum aantal dae tussen laaste toediening en oes
Katoen.............................. 28 days
Aartappels........................ 21 days
Tamaties.......................... 5 days

- Hanteer versigtig
- Skadelik indien ingesluk of ingeasem word.
- Irriterend vir vel en oë.
- Giftig vir visse.
- **Vlambaar** - moet nie naby oop vlamme stoor of gebruik nie.
- Berg in ‘n koel, goed geventileerde plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- **Herbetredingsinterval:** Moet nie behandelde gebied binnegaan voordat die spuitneerslag droog is nie tensy beskermende klere gedra word.
- **Veiligheid vir gewasse:** Onder normale groeitoestande, is **MAKHRO PLANT CARE** veilig vir gebruik op alle algemene kultivars solank geen fioksisiteit, soos opbrengsverlies, opgemerk word nie. Moet nie **MAKHRO PLANT CARE** toedien op nuwe vrygestelde kultivars sonder om eers die registrasie houer te kontak 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 bergingstoestande, kw aliteit van verdunningswater en die voorkoms van weerstand van die plaag teen die betrokke middel, sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die re-gistrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir die 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 etiket aanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS:
- Vermy die inaseming van dampe.
- Vermy kontak met oë en vel.
- Dra rubberhandskoene, skoene en ‘n gesigskerm wanneer die konsentraat hanteer word.
- Was besoedelde klere daagliks.
- Indien dit op u vel kom, was dit dadelik af met seep en koue water.
- In die geval van oogkontak , hou ooglid oop en was uit met skoon lopende water vir ten minste 15 minute.
- Moet nie eet, drink of rook, terwyl die produk hanteer word, voor hande en gesig nie gewas is nie.
- Verhoed dat die spuitnewel wegdryf na ander gewasse, weiding, riviere, damme of enige ander gebiede wat nie behandel moet word nie.
- Spoel die leë houer drie keer uit met ‘n volume water wat gelykstaande aan ten minste 10% van die volume van die houer is en gooi die spoelwater in die spuittenk.
- Vernietig die leë houer deur gate daarin te maak en plat te druk. Moet vir geen ander doel hergebruik nie.
- Maak spuitapparaat skoon na gebruik en raak ontslae van uitspoelwater waar dit nie gewasse, weiding, riviere en damme kan besoedel nie.
- Vermy besoedeling van voedsel, voer, drinkwater en eetgerei.

SIMPTOME VAN MENSLIKE VERGIFTIGING:
Mag irriterend wees vir slymvliese, oë en vel. Inaseming mag hoes, kort van asem, bronchospasma, chemikale pneumonitis en long oedema veroorsaak. Inname kan naarheid, braking, maagpyn en diarree veroorsaak.

NOODHULPBEHANDELING:

Inaseming:	Verwyder persoon na vars lug en hou hom warm en rustig. Indien asemhaling moeilik is, gee suurstof. Indien asemhaling ophou, pas kunsmatige asemhaling toe. Kry mediese behandeling.
Inname:	Moet nie braking aanmoedig nie. Moet nooit enige iets per mond vir ‘n bewustelose persoon ingee nie. Was mond uit met water. Kry mediese behandeling.
Velkontak:	Trek besoedelde klere uit en was met groot hoeveelhede koue water en seep. Indien nodig kry mediese behandeling.
Oogkontak:	Indien dit per ongeluk in die oë beland was uit met lopende skoon water vir tenminste 15 minute. Raadpleeg ‘n oogspesialis, indien nodig.

NOTA AAN GENEESHEER
Daar is geen spesifieke teenmiddel nie. Behandel simptomaties en gee ondersteunende terapie.

WEERSTANDSWAARSKUWING:
MAKHRO PLANT CARE is ‘n IRAC insekgroepkode 3/4 A. Enige populasie van ‘n spesifi eke insek mag individue insluit wat ‘n natuurlike weerstand teen **MAKHRO PLANT CARE** of enige ander groepkode 3/4 A insekdoders het. Indien hierdie insekdoders herhaaldelik aangewend word, kan die weerstandbiedende individue uiteindelik die insekpopulasie oorheers. Hierdie weerstandbiedende insekte sal waarskynlik nie deur **MAKHRO PLANT CARE** of enige ander groepkode 3/4 Ainsekdoder beheer word nie.

Om weerstand teen insekdoders te vertraag:
- Vermy die eksklusiewe herhaaldelike gebruik van insekdoders met dieselfde groepkode. Wissel af met, of gebruik tenkmengsels van produkte in verskillende insekdodergroepkodes.
- Integreer ander beheermaatreëls (chemies, verbouing, biologies) in insekdoderprogramme.

Vir spesifi eke inligting oor weerstandsbestuur kontak die verspreider van hierdie produk.

GEBRUIKSBEPERKINGS:
- Vermy die gebruik van **MAKHRO PLANT CARE** op plante wat onder stres toestande lei, wat veroorsaak word deur droogte, nematodes, water meld voorwaardes ens. Omdat dit die sistemiese opname, translokasie en chemiese aktiwiteit van die produk sal beïnvloed.
- Vermy bespuiting van **MAKHRO PLANT CARE** op plante wat met stof bedek is, omdat stof inmeng met die behoorlike opname van die produk asook kontak met die insekte.

GEBRUIKSAANWYSINGS: Gebruik slegs soos aangedui.

Verenigbaarheid:
Die verenigbaarheid van **MAKHRO PLANT CARE** met ander produkte mag beïnvloed word deur die formulering van die produk(te) waarmee dit gemeng word sowel as die kwaliteit van die verdunningswater. Aangesien die formulering van ander produkte kan verander sonder die kennis van Makhro Home and Garden en die kwaliteit van die water kan verskil van plase en verskeie areas, moet ‘n fisiese verenigbaarheidstoets altyd uitgevoer word voor toediening van die produk.

Menginstruksies:
Maak die spuittenk halfvol met skoon water. Voeg die verlangde hoeveelheid **MAKHRO PLANT CARE** by ‘n klein hoeveelheid van die water en meng deeglik voordat dit by die spuittenk gevoeg word, terwyl die spuittenk onophoudelik geroer word. Indien **MAKHRO PLANT CARE** gemeng word met ‘n ander produk(te) moet dit eers apart gemeng word met ‘n klein hoeveelheid water voordat dit by die spuittenk gevoeg word. Voeg water tot net onder die vereiste kapasiteit en voeg dan die voorafgemengde **MAKHRO PLANT CARE** by die spuittenk terwyl daar aanhoudend geroer word. Vul die spuittenk met water tot by die verlangde vlak, terwyl voortdurend geroer word. Verwys na die etikette van die produkte wat gemeng word met **MAKHRO PLANT CARE** en voldoen aan die etiketaanwysings. Meng slegs genoeg spuitmengsel vir een dag se bespuiting. Spuitmengsel moet nie toegelaat word om oornag te staan nie.

Toediening:
MAKHRO PLANT CARE kan deur middel van enige geskikte spuitapparaat toegedien word mits dit korrek gekalibreer is en in staat is om die spuitmengsel eweredig en doeltreffend oor die teikenoppervlak te versprei.

TOEDIENINGSHOEVEELHEDE:

GEWAS / PLAAG	DOSIS	OPMERKINGS
SIERPLANTE / PROTEA *Agapanthus spp.* *Phormium spp.* *Cuphea spp.*	40 mℓ/ 10 ℓ water	Begin toediening sodra die eerste tekens van besmetting opgemerk word deur die teenwoordigheid van die larwes óf in die grond en/of skade aan die wortels van plante. Vroeë intervensie sal beter resultate verseker.
Mis Wurms / Larwe *(Coleoptera: Scarabaeidae)*		Deeglike toediening op die hele plant oppervlak en verseker versigtigte dekking van die grond rondom die plant.
Plantluise *(Aphis gossypii; Myzus persicae)*		Moet nie in ’n tenkmengsel toedien met ander produkte, blaarvoeding of bymiddels nie.
Witvlieg *(Bemisia tabaci; Trialeurodes vaporarorium)*		Moet nie tydens warm, droë periodes toegedien word of wanneer die plante onder fisiologiese stres is nl. Versuip-, droë- of hittestres.
Rooispinmyt *(Tetranychus spp.)*		Moet nie toegedien word aan blomdele nie.
Bolwurm *(Helicoverpa armigera)*		Herhaal toediening wanneer herbesmetting opgemerk word.
KATOEN Rooispinmyt *(Tetranychus spp.)*	10 mℓ/ 10ℓ water	Begin toediening sodra die populasie-indeks die waarde van 1.0 bereik. Toediening moet plaasvind voordat die besmettingsvlakke hoog is. Dien toe as ’n volle dektoediening. Herhaal toediening binne 10 dae na die eerste toediening. Die katoenplante, insluitend die onderkant van die blare, moet deeglik benat word. Moet nie meer as twee toedienings per groeiseisoen toedien nie.
Plantluis *(Aphis gossypii)*	10 mℓ/ 10ℓ water	Dien toe sodra die plaag opgemerk word. Verseker goeie bedekking van die plante. ’n Tweede toediening mag 7—10 dae later nodig wees. Hierdie toediening sal ook katoenblaarspringer (Jacobiella fascialis) beheer.
AARTAPPELS Plantluise *(Myzus persicae)*	10 mℓ/ 10ℓ water	Dien toe sodra die plaag opgemerk word en herhaal toediening na 10—14 dae wanneer nodig. Die byvoeging van ’n geskikte benatter soos **SK ECO OIL SPRAY** teen 0.5% word aanbeveel.
Aartappelmot *(Phthorimaea operculella)*	15 mℓ/ 10ℓ water	Dien toe wanneer die plante ongeveer 1 maand oud is en sodra die plaag opgemerk word. Herhaal toediening met 10—14 dae tussenposes. Die byvoeging van ’n geskikte benatter soos **SK ECO OIL SPRAY** olie teen 0.5 % word aanbeveel.
TAMATIES Rooispinmyt *(Tetranychus spp.)*	10 mℓ/ 10ℓ water	Dien toe by blom sodra die eerste tekens van die plaag waargeneem word. Verseker goeie bedekking van die plante, insluitend die onderkant van die blare. Herhaal toediening 7—10 dae na die aanvanklike toediening. Moet nie meer as 4 toedienings per groeiseisoen toedien nie.
Witvlieg *(Bemisia tabaci; Trialeurodes vaporarorium)*		
Afrika bolwurm *(Helicoverpa armigera)*	10 mℓ/ 10ℓ water	Dien toe by blom of sodra die eerste tekens van die plaag waargeneem word. Maak seker dat die plante, insluitend blare, blomme en vrugte, deeglik bedek word. Herhaal toedienings elke 7—10 dae indien nodig. Moet nie meer as 4 toedienings per groeiseisoen toedien nie.