



# CORMORAN<sup>®</sup> 180 EC

Reg. no. L9480 Act/Wet no. 36 of/van 1947  
N-AR 1501

An emulsifiable concentrate insecticide with systemic, contact and stomach action as well as chitin inhibition for the control of pests as listed in apples and pears, cotton, potatoes (winter rainfall region), soy beans, stone fruit and tree nuts.

'n Emulgeerbare konsentraat insekdoder met sistemiese, kontak- en maagwerking asook chitieninhibisie vir die beheer van plae soos gelys in aartappels (winterreënvalgebied), appels en pere, boomneute, katoen, soja-bone, en steenvrugte.

**IRAC INSECTICIDE GROUP CODE**

**4A & 15**

**IRAC INSEKDODER GROEPKODE**

## ACTIVE INGREDIENTS/AKTIEWE BESTANDDELE

acetamiprid (Neonicotinoids).....	80 g/l	..... asetamipried (neonikotinied)
novaluron (benzoylurea) .....	100 g/l	..... novaluron (bensoielureum)

## NET VOLUME/NETTO VOLUME

..... L

## REGISTRATION HOLDER/REGISTRASIEHOUER

ADAMA South Africa (Pty.) Ltd.  
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**CORMORAN<sup>®</sup> is the registered trademark of a company of the ADAMA GROUP.  
CORMORAN<sup>®</sup> is die geregistreerde handelsmerk van 'n maatskappy van die ADAMA GROEP.**

## CONTACT IN EMERGENCY/KONTAK IN NOOD

Griffon Poison Information Centre: +27 82 446 8946  
Tygerberg Poison Information Centre: +27 861 555 777

Batch number .....  
Date of manufacture .....

Lotnommer .....  
Datum van vervaardiging .....

UN no: 3082



**HARMFUL  
SKADELIK**



## WARNINGS

Allow the following number of days between last application and harvest:

<b>Apples, pears</b> .....	28 days
<b>Cotton</b> .....	No feeding
<b>Potatoes</b> .....	36 days
<b>Soy beans</b> .....	70 days (no feeding)
<b>Stone fruit</b> .....	28 days
<b>Tree nuts</b> .....	84 days

(Almonds, cashews, chestnuts, hazelnuts, macadamia nuts, pecan nuts, pistachio nuts, walnuts, Brazil nuts)

- Handle with care.
- Poisonous by ingestion, contact and inhalation.
- Irritating to the eyes.
- May cause sensitization by skin contact.
- Poisonous to fish, bees and wildlife.
- Store in a cool, dry place away from food and feedstuffs.
- Keep out of reach of children, uninformed persons and animals.
- Do not graze treated crops.
- Do not apply by air.
- **Re-entry:** Do not enter treated area until spray deposit has dried unless wearing protective clothing.
- In case of poisoning call a physician and show this label to him/her.

**Export crops:** The local maximum residue levels (MRLs) will not be exceeded if **CORMORAN® 180 EC** is used according to the label instructions. However, ADAMA South Africa (Pty) Ltd cannot be held responsible if export MRLs are exceeded. The local export marketing bodies must be consulted regarding application timing, withholding periods and specific tolerances of countries where produce will be exported to.

**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 humans or animals, 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

- Do not inhale fumes or spray mist.

- Wear protective clothing, face shield and gloves when handling the concentrate.
- Wash with soap and cold water after accidental skin contact.
- Take off contaminated clothing and wash clothing daily.
- Do not eat, drink or smoke when mixing or applying or before hands and face have been washed.
- Do not contaminate adjacent areas, grazing, rivers, dams or other water sources.
- After use, clean applicator and throw away wash water where it will not contaminate grazing, rivers, dams or crops or areas not treated.
- Invert the empty container over the spray tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water of at least 10 % to that of the container. Add the rinsings to the contents of the spray tank before destroying the empty container.
- Destroy the empty container by perforating and flattening it and never re-use for any other purpose.
- Prevent contamination of food, feedstuffs, eating utensils and drinking water.

### **SYMPTOMS OF HUMAN POISONING**

Nausea, vomiting, muscle weakness, convulsions, diarrhoea, headache, confusion, coughing and shortness of breath. Eye contact can cause redness and tears.

### **FIRST AID TREATMENT**

- Inhalation:** Remove victim to fresh air and keep him/her 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.
- Skin contact:** Take off contaminated clothing and wash off with plenty of cold water and soap followed by warm water rinse. If necessary get medical attention.
- Eye contact:** Wash out with clean running water for at least 15 minutes. If pain persists, consult an eye specialist.

### **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 **CORMORAN® 180 EC** is classified as a group code 4A and 15 insecticide. Any insect population may contain individuals naturally resistant to **CORMORAN® 180 EC** and other group code 4A and 15 insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **CORMORAN® 180 EC** or any other group code 4A and 15 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.
- Integrate the control methods (chemical, cultural, biological) into insect control programmes.

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

## **USE RESTRICTIONS**

Avoid using **CORMORAN® 180 EC** 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 **CORMORAN® 180 EC** on plants covered with dust as dust interferes with the proper uptake of product and contact with the insect.

## **DIRECTIONS FOR USE**

**Use only as indicated.**

### **Emergency registrations**

Emergency registration has been granted for a number of crops, as indicated in the application rates table (below). Please note that when a product has been approved for the purpose of emergency registration, it is still under evaluation with regard to efficacy, selectivity and behaviour of residues in the particular crop. Environmental and human safety data have already been evaluated and approved at initial registration of the product.

### **Compatibility**

It is advisable always to carry out a physical compatibility test prior to application when **CORMORAN® 180 EC** is tank mixed with other fungicides or insecticides.

### **Mixing instructions**

Half fill the spray tank with clean water. Pre-mix the required quantity of **CORMORAN® 180 EC** in a small volume of water and add to the spray tank while agitating. Rinse the container and add rinsate to the spray tank. While agitating fill the spray tank with water to the required volume. Ensure constant effective agitation during mixing and application.

## APPLICATION

**CORMORAN® 180 EC** can be applied by any medium or high volume applicator provided it is correctly calibrated, fitted with an efficient agitation mechanism, and is able to distribute the spray mixture evenly over the target area. Apply in at least 300 L water per hectare.

CROP AND PEST	DOSAGE	REMARKS
<b>Apples and pears</b> Codling moth <i>(Cydia pomonella)</i> Mealy bug (various species)	35 ml/100 L water	Apply as a full cover spray not later than 75 % petal drop. Follow up with two more applications at intervals of 14 days between applications. <b>Do not apply more than 3 applications per season of products containing novaluron.</b>  Ensure thorough wetting of all plant parts. Calculate the spray volume to be applied per hectare according to the tree-row volume formula as described by Unrath. Do not apply less than 350 ml <b>CORMORAN® 180 EC</b> per hectare.
<b>Cotton</b> African bollworm <i>(Helicoverpa armigera)</i>  Aphids <i>(Aphis gossypii)</i> Leafhopper (jassid) <i>(Jacobiella fascialis)</i>	700 ml/ha          700 ml/ha	Apply as soon as the first eggs are noticed, at the initiation of flowering. If larvae are already present at application, they should preferably be in the first instar stage and not beyond the second instar stage. Repeat application 10-14 days after the first application. A third application may be necessary 10-14 days after the second application. Sprays should be applied to actively growing plants for improved systemic activity. Ensure full coverage of entire plant. It is recommended that drop arms be used on cotton higher than 60 cm. Spiny bollworm and aphids, if present, will also be controlled.  Commence application as soon as pests are noticed. Apply two sprays at 10- to 14-day intervals. Sprays should be applied to actively growing plants for improved systemic activity. African bollworm and spiny bollworm, if present, will also be controlled.

CROP AND PEST	DOSAGE	REMARKS
<p><b>Potatoes</b></p> <p>Tuber moth larvae (<i>Phthorimaea operculella</i>)</p>	<p>350 ml/ha</p>	<p><b>Winter rainfall region only.</b></p> <p>Commence spraying as soon as the first signs of the pest are noticed or when an average of 20 moths per night or 130–140 moths per week are caught in a pheromone trap. The first application must always be followed by a second application, not later than 14 days after the first. If necessary, a third application can be done 14 days after the second application. Do not apply more than four applications per season on the same field. Use at least 500 L water per hectare. Alternate <b>CORMORAN® 180 EC</b> applications with <b>AZINPHOS 200 SC</b> at 1.25 L/ha.</p> <p>The application of <b>CORMORAN® 180 EC</b> should be ceased when the foliage of plants becomes chlorotic due to the plants nearing the end of their life cycle or when the tuber moth larvae start moving to the tubers or the moth starts laying her eggs on the ground. In this situation, <b>AZINPHOS 200 SC</b> should be applied by ground application and leached into the ground by a light irrigation (± 6 mm water).</p> <p><b>CORMORAN® 180 EC</b> will also control the potato aphid (<i>Macrosiphum euphorbiae</i>) and the green peach aphid (<i>Myzus persicae</i>) in this programme.</p>
<p><b>Soy beans</b></p> <p>African bollworm (<i>Helicoverpa armigera</i>)</p> <p>Semi-looper (<i>Chrysodeixis acuta</i>)</p> <p>Leaf eaters (<i>Spodoptera</i> spp.)</p>	<p>350-700 ml/ha</p>	<p><b>Use the higher rate for African bollworm control.</b> Apply as a full cover spray at the start of flowering as soon as pests are noticed. A spray volume of at least 200 L/ha is recommended. Repeat the application after 14 days. A third application may be applied 14 days later if necessary.</p>
<p><b>Stone fruit</b></p> <p>False codling moth (<i>Thaumatotibia leucotreta</i>)</p> <p><b>(Emergency registration)</b></p>	<p>35 ml/100 L</p>	<p>Apply <b>CORMORAN® 180 EC</b> as a full cover spray, ensuring thorough coverage. Calculate the spray volume to be applied per hectare according to the tree-row-volume formula described by Unrath.</p> <p>Monitor for the pest. Do not apply later than 2 weeks after 90 % petal fall. Apply in an integrated pest management programme, alternating with products with a different mode of action.</p> <p>Contact the ADAMA advisor regarding follow-up applications.</p> <p>Apply <b>one</b> application of <b>CORMORAN® 180 EC</b> per season.</p> <p><b>Emergency registration:</b> Please refer to the comments under 'DIRECTIONS FOR USE'.</p>

CROP AND PEST	DOSAGE	REMARKS
<p><b>Tree nuts</b> (Almonds, cashews, chestnuts, hazelnuts, macadamia nuts, pecan nuts, pistachio nuts, walnuts, Brazil nuts)</p> <p>False codling moth (<i>Thaumatotibia leucotreta</i>)</p> <p><b>(Emergency registration)</b></p>	<p>50–75 ml/100 L water</p>	<p>Apply <b>CORMORAN® 180 EC</b> as a high-volume spray to the point of run-off, ensuring thorough coverage. Monitor for the pest and start application when the first signs of pest presence are observed.</p> <p>The application rate depends on the level of infestation and size of the larvae at application.</p> <p>Apply in an integrated pest management programme, alternating with products with a different mode of action.</p> <p>Apply <b>one</b> application of <b>CORMORAN® 180 EC</b> per season.</p> <p><b>Emergency registration:</b> Please refer to the comments under 'DIRECTIONS FOR USE'.</p>

## WAARSKUWINGS

Laat die volgende aantal dae toe tussen laaste toediening en oes:

<b>Aartappels</b> .....	36 dae
<b>Appels, pere</b> .....	28 dae
<b>Boomneute</b> .....	84 dae
(Amandels, kasjoeneute, kastaiings, haselneute, makadamianeute, pekanneute, pistasieneute, okkerneute, Brasiliaanse neute,)	
<b>Katoen</b> .....	Geen weiding
<b>Sojabone</b> .....	70 dae (geen weiding)
<b>Steenvrugte</b> .....	28 dae

- Hanteer versigtig.
- Skadelik deur kontak, inname of inaseming.
- Irriterend vir oë.
- Mag deur velkontak sensitisering veroorsaak.
- Giftig vir bye, visse en natuurlewe.
- Berg in 'n koel, droë plek weg van voedsel en voer.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Moet nie behandelde gewasse laat beweie nie.
- Moet nie uit die lug toedien nie.
- **Herbetreding:** Moet nie die behandelde gebied betree voordat die spuitstof droog is nie tensy beskermende oorklere gedra word.
- In geval van vergiftiging kontak 'n geneesheer en toon hierdie etiket aan hom/haar.

**Uitvoergewasse:** Die plaaslike maksimum residuvlakke (MRV's) sal nie oorskry word nie indien **CORMORAN® 180 EC** volgens etiketaanbevelings gebruik word. ADAMA South Africa (Pty) Ltd kan egter nie verantwoordelik gehou word indien uitvoer-MRV's oorskry sou word nie. Skakel die plaaslike uitvoerorganisasies rakende tyd van toediening, onthoudingsperiodes en spesifieke toleransievereistes van lande waarheen produkte uitgevoer gaan word.

**Alhoewel hierdie middel omvattend onder 'n groot verskeidenheid toestande getoets is, waarborg die registrasiehouer nie dat dit onder alle toestande doeltreffend sal wees nie. Die werking en doeltreffendheid daarvan kan beïnvloed word deur faktore soos abnormale grond, klimaats- en bergingstoestande, kwaliteit van die verdunningswater, verenigbaarheid met ander stowwe wat nie op die etiket aangedui word nie en die voorkoms van weerstand van die plaag teen die betrokke middel sowel as die tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei en die omgewing of nadelige invloede op mense of diere of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van versuim van die gebruiker om etiketaanwysings na te kom, of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.**



## VOORSORGMAATREËLS

- Moet nie dampe of die sproeinewel inasem nie.
- Dra beskermende klere, gesigskerm en handskoene as konsentraat hanteer word.
- Was met koue water en seep indien dit per ongeluk met vel in aanraking kom.
- Trek besoedelde klere uit en was werksklere daaglik.
- Moet nie eet, drink of rook tydens vermenging of toediening of voordat hande en gesig gewas is nie.
- Verhoed besoedeling van aangrensende gebiede, weiding, riviere, damme of ander waterbronne.
- Maak spuitapparaat skoon na gebruik en gooi waswater weg waar dit nie gewasse, weiding, riviere, damme of nie-teikengebiede sal besoedel nie.
- Keer die leë houer om oor die spuit- of mengtenk en laat dit dreineer vir ten minste 30 sekondes nadat die vloeï tot 'n gedrup verander het. Spoel die leë houer daarna drie keer uit met 'n volume water gelykstaande aan minstens 10 % van die volume van die houer. Gooi die spoelwater in die meng- of spuitenk voor die leë houer vernietig word.
- Vernietig die leë houer deur gate daarin te maak en plat te druk en moet dit vir geen ander doel gebruik nie.
- Verhoed besoedeling van voedsel, voer, drinkwater en eetgerei.

## SIMPTOME VAN MENSLIKE VERGIFTIGING

Naarheid, braking, spierswakheid, stuiptrekkings, diarree, hoofpyn, verwarring, hoes en kortasem. Oogkontak kan rooiheid en tranne veroorsaak.

## NOODHULP BEHANDELING

- Inaseming:** Verwyder pasiënt na vars lug en hou hom/haar warm en rustig. Indien asemhalingsnood voorkom moet suurstof toegedien word. Indien asemhaling staak moet kunsmatige asemhaling toegepas word. Kry mediese hulp.
- Inname:** Moet nie braking induseer nie. Was mond uit met water. Kry mediese hulp.
- Velkontak:** Trek besoedelde klere uit en was vel met groot hoeveelhede koue water en seep. Spoel dan af met warm water. Indien nodig kry mediese hulp.
- Oogkontak:** Was uit met skoon lopende water vir ten minste 15 minute. Indien pyn voortduur moet 'n oogspesialis geraadpleeg word.

## NOTA AAN GENEESHEER

Geen spesifieke teenmiddel is beskikbaar nie. Indien ingesluk moet maag uitgespoel word en geaktiveerde koolstof toegedien word. Behandel simptome met ondersteunende terapie.

## WEERSTANDSWAARSKUWING

Vir die doel van weerstandsbestuur word **CORMORAN® 180 EC** as 'n IRAC groepkode 4A en 15 insekdoder geklassifiseer. Enige insekbevolking mag individue bevat wat 'n natuurlike weerstand teen **CORMORAN® 180 EC** en ander groepkode 4A en 15 insekdoders het. Die weerstandbiedende individue kan uiteindelik die insekbevolking oorheers as hierdie insekdoders herhaaldelik gebruik word. Hierdie weerstandbiedende insekte mag dalk nie deur **CORMORAN® 180 EC** of ander groepkode 4A en 15 insekdoders beheer word nie.

Om insekdoderweerstand te vertraag:

- Vermy die uitsluitlike herhaalde gebruik van insekdoders van dieselfde insekdodergroep-kode. Wissel af, of gebruik in tenkmengsels met middels van ander groepkodes.
- Integreer beheermetodes (chemies, bewerking, biologies) in insekbeheerprogramme.

Vir meer spesifieke inligting rakende weerstandsbestuur, skakel die registrasiehouer van hierdie produk.

## **GEBRUIKSBEPERKINGS**

Vermyn die gebruik van **CORMORAN® 180 EC** op plante wat onder stremming verkeer as gevolg van droogte, aalwurms, versuiptoestande ensovoorts, aangesien dit die sistemiese opname, vervoer en chemiese aktiwiteit van die produk sal beïnvloed. Vermyn om **CORMORAN® 180 EC** op plante wat met stof bedek is te spuit aangesien die stof sal inmeng met die doeltreffende opname van die produk en kontak met die insek.

## **GEBRUIKSAANWYSINGS**

**Gebruik alleenlik soos voorgeskryf.**

### **Noodregistrasies**

Noodregistrasies is toegedien vir 'n aantal gewasse, soos aangedui op die toedieningstabel (hieronder). Let daarop dat wanneer die gebruik van 'n produk vir die doel van noodregistrasie goedgekeur is, dit steeds geëvalueer word vir effektiwiteit, selektiwiteit, en die gedrag van residue in die spesifieke gewas. Omgewings- en menslike veiligheidsdata is reeds geëvalueer en goedgekeur tydens die aanvanklike registrasie van die produk.

### **Verenigbaarheid**

Dit word egter aanbeveel dat 'n fisiese verenigbaarheidstoets gedoen word wanneer **CORMORAN® 180 EC** tenkmengsels met ander swam- of insekdoders gemaak word.

### **Menginstruksies**

Vul die spuittenk halfvol met skoon water. Meng die benodigde hoeveelheid **CORMORAN® 180 EC** vooraf met 'n klein hoeveelheid water en voeg dit dan in die tenk by terwyl geroer word. Spoel die houër uit en voeg die spoelwater in die spuittenk by. Roer voortdurend terwyl die spuittenk tot die verlangde volume gevul word. Verseker doeltreffende roering tydens meng en toediening.

## TOEDIENING

**CORMORAN® 180 EC** kan met enige medium- of hoëvolume toediener met 'n doeltreffende roersistiem toegedien word mits dit korrek gekalibreer is en in staat is om die spuitmengsel eweredig oor die teikengebied te versprei. Dien toe in ten minste 300 L water per hektaar.

GEWAS EN PLAAG	DOSIS	OPMERKINGS
<p><b>Aartappels</b> Aartappelmotlarwes (<i>Phthorimaea operculella</i>)</p>	350 ml/ha	<p><b>Winterreënvalgebied alleenlik.</b> Dien toe sodra die eerste simptome waargeneem word of waar gemiddeld 20 motte per nag of 130 – 140 motte per week in 'n feromoonlokval gevang word. Die eerste bespuiting moet altyd deur 'n tweede bespuiting gevolg word, nie later as 14 dae na die eerste bespuiting nie. 'n Derde bespuiting kan, indien nodig, 14 dae na die tweede toegedien word. Moet egter nie meer as vier <b>CORMORAN® 180 EC</b> bespuitings per seisoen toedien op dieselfde land nie. Gebruik in 'n minimum van 500 L water per hektaar. Wissel die <b>CORMORAN® 180 EC</b> bespuitings af met <b>AZINPHOS 200 SC</b> teen 1.25 L/ha.</p> <p>StaaK toediening van <b>CORMORAN® 180 EC</b> as die aartappelloof begin chloroties raak omdat plante die einde van hul lewensiklus nader of wanneer larwes begin afbeweeg na die knolle of motte begin eiers op die grond lê. Onder hierdie omstandighede moet <b>AZINPHOS 200 SC</b> deur grondtoediening toegedien word en in die grond ingeloog word deur liggies te besproei (± 6 mm water).</p> <p><b>CORMORAN® 180 EC</b> sal ook die aartappel-plantluis (<i>Macrosiphum euphorbiae</i>) en die groenperskeplantluis (<i>Myzus persicae</i>) in hierdie program beheer.</p>
<p><b>Appels en pere</b> Kodlingmot (<i>Cydia pomonella</i>) Witluise (verskeie spesies)</p>	35 ml/100 L water	<p>Dien toe as 'n volle dekbespuiting nie later as 75 % blomblaarval nie. Maak twee verdere toedienings met intervalle van 14 dae tussen toedienings. <b>Moet nie meer as 3 toedienings per seisoen maak met produkte wat novaluron bevat nie.</b></p> <p>Verseker deeglike benatting van alle plantdele. Bereken die spuitvolume wat per hektaar toegedien moet word volgens die boom-ry-volume formule soos beskryf deur Unrath. Moet nie minder as 350 ml <b>CORMORAN® 180 EC</b> per hektaar gebruik nie.</p>

GEWAS EN PLAAG	DOSIS	OPMERKINGS
<p><b>Boomneute</b> (Amandels, kasjoeneute,kastaiing, haselneute, makadamianeute, pekanneute, pistasieneute, okkerneute, Brasiliaanse neute)</p> <p>Valskodlingmot (<i>Thaumatotibia leucotreta</i>)</p> <p><b>(Noodregistrasie)</b></p>	50–75 ml/100 L water	<p>Dien <b>CORMORAN® 180 EC</b> as 'n hoë-volume bespuiting toe, tot by die punt van afloop, om goeie bedekking te verseker. Monitor vir die plaag en begin toediening sodra die eerste tekens van die plaag waargeneem word.</p> <p>Die toedieningsdosis word bepaal deur die vlak van infestasië en die grootte van die larwes.</p> <p>Dien toe in 'n geïntegreerde plaagbestuurprogram, deur af te wissel met produkte met 'n ander meganisme van werking.</p> <p>Maak <b>een</b> toediening van <b>CORMORAN® 180 EC</b> per seisoen.</p> <p><b>Noodregistrasie:</b> Verwys asseblief na die kommentaar onder 'GEBRUIKSAANWYSINGS'.</p>
<p><b>Katoen</b> Afrika bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Plantluis (<i>Aphis gossypii</i>)</p> <p>Katoenbladspringer (<i>Jacobiella fascialis</i>)</p>	700 ml/ha   700 ml/ha	<p>Dien toe wanneer die eerste eiers tydens aanvang van blom waargeneem word. Indien larwes alreeds teenwoordig is tydens toediening moet hulle verkieslik in die eerste larfstadium wees en nie groter wees as die tweede larfstadium nie. Herhaal toediening 10-14 dae na die eerste toediening. 'n Derde toediening 10-14 dae na die tweede toediening mag nodig wees. Vir goeie sistemiese werking moet dit aan aktief groeiende plante toegedien word. Plante moet volledig bedek word. Dit word aanbeveel dat valarms gebruik word op katoen wat groter as 60 cm is. Indien stekelbolwurm en plantluis teenwoordig is, sal dit ook beheer word.</p> <p>Toediening moet begin sodra die plaag opgemerk word. Dien twee bespuitings met tussenposes van 10-14 dae toe. Vir goeie sistemiese werking moet dit aan aktief groeiende plante toegedien word. Indien Afrika bolwurm en stekelbolwurm teenwoordig is, sal dit ook beheer word.</p>
<p><b>Sojabone</b> Afrika-bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Valslandmeter (<i>Chrysodeixis acuta</i>)</p> <p>Blaarruspers (<i>Spodoptera spp.</i>)</p>	350-700 ml/ha	<p><b>Gebruik die hoër dosis vir Afrika-bolwurm beheer.</b> Dien toe as 'n volle dekbespuiting by die begin van blom sodra die plaag opgemerk word. 'n Spuitvolume van ten minste 200 L/ha word aanbeveel. Herhaal die toediening 14 dae later. 'n Derde toediening 14 dae na die tweede toediening mag nodig wees.</p>

GEWAS EN PLAAG	DOSIS	OPMERKINGS
<p><b>Steenvrugte</b></p> <p>Valskodlingmot (<i>Thaumatotibia leucotreta</i>)</p> <p><b>(Noodregistrasie)</b></p>	<p>35 ml/100 L</p>	<p>Dien <b>CORMORAN® 180 EC</b> as 'n voldekkbespuiting toe, om goeie bedekking te verseker. Bereken die spuitvolume wat per hektaar toegedien moet word volgens die boom-ry-volume-metode van Unrath.</p> <p>Monitor vir die plaag. Moenie later as 2 weke na 90 % blomblaarval toedien nie. Dien toe in 'n geïntegreerde plaagbestuurprogram, deur af te wissel met produkte met 'n ander meganisme van werking.</p> <p>Raadpleeg die ADAMA adviseur rakende opvolg bespuitings.</p> <p>Maak <b>een</b> toediening van <b>CORMORAN® 180 EC</b> per seisoen.</p> <p><b>Noodregistrasie:</b> Verwys asseblief na die kommentaar onder 'GEBRUIKSAANWYSINGS'.</p>