

# ZORVEC® ENCANTIA® 330 SE

## FUNGICIDE

Registration number/Registrasie Nommer L11227 Act/Wet Nr. / No. 36 of / van 1947  
N-AR 2272

### READ THE LABEL BEFORE USE

### KEEP OUT OF REACH OF CHILDREN AND ANIMALS

GROUP	11 & 49	FUNGICIDES
Zorvec® Encantia® fungicide, is a suspo-emulsion for use by foliar application for the control of the diseases listed on this label.		Zorvec® Encantia® swamdoder is 'n suspo-emulsie vir gebruik as 'n blaarbespuiting vir die beheer van siektes soos beskryf op hierdie etiket.



#### HAZARD STATEMENTS:

Combustible liquid  
May be harmful if swallowed.  
May be harmful if inhaled.  
May be fatal if swallowed and enters airways.  
May cause an allergic skin reaction.  
May cause damage to organs eyes through prolonged or repeated exposure.  
Very toxic to aquatic life with long lasting effects.



#### WARNING

#### PRECAUTIONARY STATEMENTS:

Do not breathe mist/vapours/spray.  
Get medical advice/attention if you feel unwell.  
If on skin: wash with plenty of water.  
If Swallowed: get emergency medical help immediately.  
Collect spillage.  
Dispose of contents/container in accordance with applicable regulations.

#### ACTIVE INGREDIENTS / AKTIEWE BESTANDELE

Famoxadone (oxazolidine-dione) .....	300 g/l .....	Famoksadoon (oksasolidiëndioon)
Oxathiapiprolin (piperidiny-thiazole- Isoxazolines) .....	30 g/l .....	oxathiapiprolin (piperidiny-thiazole- Isoxazolines)

**Net Volume** ..... L ..... **Netto Volume**

**REGISTRATION HOLDER / REGISTRASIEHOUER**  
CORTEVA AGRISCIENCE RSA (PTY) LTD / (EDMS) BPK  
REG NO 1991/003030/07

Lakefield Office Park, Block A, 2<sup>nd</sup> Floor  
272 West Avenue, CENTURION, 0157 South Africa  
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Batch Number .....  
Date of Manufacture .....  
Expiry date .....



..... Lotnommer  
..... Vervaardigingsdatum  
..... Vervaldatum

**UN NO: 3082**

Poisons Helpline: +27(0)861-666-777  
Local Emergency No: +27(0)82-895-0621 (SA only)  
24 Hour Emergency Tel No: +32-3-575-5555  
Information Hotline Tel No: +27(0)12 683-5700

**WARNINGS:**

**HAZARD STATEMENTS:**

Combustible liquid  
May be harmful if swallowed.  
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Very toxic to aquatic life with long lasting effects.

**WITHHOLDING PERIODS:**

The following minimum number of days (withholding periods) between last application and harvest must be adhered to:

**Potatoes ..... 7 days**

Handle with care.  
Keep out of the reach of children, uninformed persons and animals.  
Do not enter or allow worker entry into treated areas until the product has dried.  
Store in the closed labelled original container at temperatures not exceeding 25°C away from food and feed.  
Use of this material in a manner or at a time other than in accordance with the directions may cause excessive residues or other undesirable results.  
Do not apply by air.  
Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.  
The withholding period or pre-harvest interval (PHI), i.e., number of days between last application and harvest, meets local maximum residue limits (MRL's), but may not necessarily meet all those for export crops.

***Disclaimer***

***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 climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest against the remedy concerned as well as by the method, time and accuracy of application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier immediately in the event of any uncertainty.***

## **PRECAUTIONS:**

### **PRECAUTIONARY STATEMENTS:**

Do not breathe mist/vapours/spray.  
Get medical advice/attention if you feel unwell.  
If on skin: wash with plenty of water.  
If Swallowed: get emergency medical help immediately.  
Collect spillage.  
Dispose of contents/container in accordance with applicable regulations.

Causes mild and temporary eye irritation.

Do not get in eyes or on clothing.

Wear protective eyewear (goggles, face shield, or safety glasses).

Persons in contact with the insecticide should wear protective clothing (long-sleeved shirts and long pants, shoes with socks and gloves).

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Remove and wash contaminated clothing before reuse.

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

May be harmful if swallowed.

In case of ingestion call a physician or poison centre.

**DO NOT APPLY DIRECTLY TO AND PREVENT DRIFT ONTO OTHER EDIBLE CROPS THAN INDICATED ON THE LABEL, GRAZING, RIVERS, DAMS AND AREAS NOT UNDER TREATMENT.**

Clean applicator after use and dispose of wash water where it will not contaminate crops, grazing, food, or water.

Rinse the empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsate to the contents of the spray tank before destroying the container.

Destroy empty container by perforation and flattening, and never re-use for any other purpose.

## **RELEVANT SUBSTANCES:**

<b>COMPONENT</b>	<b>CAS No.</b>	<b>Concentration</b>
Famoxadone	131807-57-3	28,3%
Oxathiapiprolin	1003318-67-9	2,83%
Benzenesulfonic acid, C10-13-alkyl derivs., calcium salt	Not available	>= 1,0 - < 2,5 %
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	>= 0,0002 - < 0,0015 %
Methyl-4-isothiazolin-3-one	2682-20-4	>= 0,0002 - < 0,0015 %

## **FIRST AID MEASURES:**

### **General advice:**

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

### **Inhalation:**

Move to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

### **Skin contact:**

Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion:**

Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. **DO NOT** induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.

**Notes to physician:**

Treat symptomatically.

**GENERAL INFORMATION:**

**ZORVEC® ENCANTIA® 330 SE** fungicide is active against selective oomycete diseases listed on this label and has preventative, residual, curative, eradicated and antispore activity. **ZORVEC® ENCANTIA® 330 SE** fungicide is locally systemic, translaminar, and moves systemically in the xylem. **ZORVEC® ENCANTIA® 330 SE** fungicide must be applied in a regularly scheduled protective spray program in rotation with other fungicides.

**RESISTANCE STATEMENT:**

The following restrictions apply to the use of **ZORVEC® ENCANTIA® 330 SE** or other FRAC-49-containing fungicides.

- Exposure to **ZORVEC® ENCANTIA® 330 SE** (or any other FRAC 49-containing product) should not exceed thirty three percent (33%) of the total period of protection needed per crop.
- For crops other than grapes when three or more fungicide applications are made, use **ZORVEC® ENCANTIA® 330 SE** (or any other FRAC 49-containing product) in no more than 33% of the total number of fungicide applications with a maximum of four (4) applications per crop. Where less than three (3) fungicide applications are made, make no more than one application of **ZORVEC® ENCANTIA® 330 SE** (or other FRAC 49-containing product).
- Applications are to be made preventively and no more than three times in sequence before applying a fungicide with a different mode of action.
- Where a fungicide with a different mode of action follows **ZORVEC® ENCANTIA® 330 SE** application(s), this fungicide preferably should have curative activity.
- Very few foliar fungicides have activity on soil-borne pathogens and the resistance risk associated with these diseases is considered by FRAC (Fungicide Resistance Action Committee) to be low. For foliar applications of **ZORVEC® ENCANTIA® 330 SE** for the control of soil-borne pathogens, there should be no more than two foliar applications.
- **ZORVEC® ENCANTIA® 330 SE** fungicide must not be used in nursery production of transplanted crops.

**IPM AND BENEFICIAL AND OTHER NON-TARGET INSECTS:**

DuPont recommends the use of Integrated Pest Management (IPM) programs to control pests. **ZORVEC® ENCANTIA® 330 SE** may be used as part of an IPM program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring and treating when disease forecasting models reach locally determined action levels.

Consult your local Corteva Agriscience™ representative to determine the appropriate management, cultural practice and treatment threshold levels for the specific crop, geography, and diseases.

## **MODE OF ACTION:**

### ***FRAC Group 49:***

Oxathiapiprolin inhibits an oxysterol binding protein (OSBP) in Oomycete fungi. The site of action is unique among currently registered commercial fungicides and has been assigned FRAC Group 49.

Oxathiapiprolin is not cross-resistant to any site of action currently recognized by FRAC and will control strains of listed fungi that are resistant to fungicides with a different mode of action.

Oxysterol Binding Proteins represent a large family of proteins that have not been fully characterized. Many functions in the cell have been ascribed to these proteins mostly dealing with signaling, lipid transport, membrane structure and hyphal tip growth. The OSBP associated with oxathiapiprolin activity has features that are unique to Oomycete fungi and help explain the high potency and selective spectrum of oxathiapiprolin.

### ***FRAC Group 11:***

Famoxadone – Complex III: cytochrome bc1 (ubiquinol oxidase) at Qo site (cyt b gene).  
QoI-fungicides (Quinone outside inhibitors).

## **RAINFASTNESS:**

**ZORVEC® ENCANTIA® 330 SE** rapidly penetrates into plant tissues and is rain fast within 20 minutes after application.

## **SPRAY DRIFT MANAGEMENT:**

Special care must be taken to avoid spray drift outside the target area, or onto ponds, waterways, or ditches. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavourable environmental conditions. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

## **DIRECTIONS FOR USE:**

## **USE ONLY AS DIRECTED**

### **COMPATIBILITY**

Not all crops within a crop group, and not all varieties, cultivars, or hybrids of crops, have been individually tested for crop safety. It is not possible to evaluate for crop safety all applications of **ZORVEC® ENCANTIA® 330 SE** on all crops within a crop group, on all varieties, cultivars, or hybrids of those crops, or under all environmental conditions and growing circumstances. To test for crop safety, apply the product in accordance with the label instructions to a small area of the target crop to ensure that a phytotoxic response will not occur, especially where the application is a new use of the product by the applicator.

Some materials including oils, surfactants, adjuvants, and pesticide formulations when applied individually, sequentially, or in tank mixtures may solubilize the plant cuticle, facilitate penetration into plant tissue and increase potential for crop injury.

## TANK MIXTURES:

In some cases, tank mixing a pest control product with another pest control product, or a fertilizer can result in biological effects that could include but are not limited to: reduced pest efficacy or increased host crop injury.

Do not make tank mixes that are not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label.

## MIXING INSTRUCTIONS:

- Fill clean spray tank 1/2 - 2/3 full of water.
- While agitating, add the required amount of **ZORVEC® ENCANTIA® 330 SE**, continuing agitation until the product is completely dispersed.
- Continue filling the tank, with agitation.
- Spray immediately after preparation, continuing agitation during spraying.

## TANK MIXING SEQUENCE:

When using in a tank-mix, add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

- (1) Water-soluble bag (WSB)
- (2) Water soluble granules (SG)
- (3) Water-dispersible granules (WG)
- (4) Wettable powders (WP)
- (5) Water-based suspension concentrates (SC)
- (6) Capsule suspension (CS)
- (7) Suspo emulsion (SE) – **ZORVEC® ENCANTIA® 330 SE**
- (8) Oil-based suspension concentrates (OD)
- (9) Emulsion in water (EW)
- (10) Emulsifiable concentrates (EC)
- (11) Water-soluble concentrates (SL)
- (12) Adjuvants, surfactants, and oils
- (13) Soluble fertilizers
- (14) Drift retardants

## GROUND APPLICATION:

Apply **ZORVEC® ENCANTIA® 330 SE** as a high-volume full cover application with conventional spray equipment which is correctly calibrated to provide thorough coverage of the target crop and correct dosage rate per hectare.

## MAXIMUM RESIDUE LEVELS

Maximum Residue Levels (MRL) and Import tolerances for crops treated with **ZORVEC® ENCANTIA® 330 SE** may be pending in some countries. Consult with your exporter or local distributor before applying **ZORVEC® ENCANTIA® 330 SE** to export crops.

CROP/PEST	APPLICATION RATE	RECOMMENDATIONS/REMARKS
<b>POTATOES</b> Late blight <i>Phytophthora infestans</i>	<b>GROUND APPLICATION:</b>  500 ml/ha	<p>Follow a preventive late blight programme, before first visible signs of the disease at all times.</p> <p>Use <b>ZORVEC® ENCANTIA® 330 SE</b> at any stage of crop development whenever environmental conditions become favourable for late blight infection (cool, overcast weather with rain or irrigation).</p> <p>Apply as a full cover spray and depending on plant size, in 500–1500 l water/ha.</p> <p>Apply <b>ZORVEC® ENCANTIA® 330 SE</b> at spray intervals of 7-10 days, as part of a programme. Use the shorter interval when conditions are highly favourable for Late Blight development. Two to three back-to-back applications of <b>ZORVEC® ENCANTIA® 330 SE</b> are recommended as part of a spray programme against late blight.</p> <p>Do not apply more than 3 back-to-back <b>ZORVEC® ENCANTIA® 330 SE</b> applications and do not apply more than 4 <b>ZORVEC® ENCANTIA® 330 SE</b> applications per season. Alternate with other registered fungicides with a different mode of action throughout the season.</p>

## WAARSKUWING

### **RISIKOVERKLARINGS:**

Mag skadelik wees indien ingesluk word.  
Mag skadelik wees indien ingeasem word.  
Mag fataal wees indien ingesluk en lugweë binnegedring.  
Mag 'n allergiese velreaksie veroorsaak.  
Mag skade aan oë aanrig deur gedurige blootstelling.  
Uiters giftig vir akwatiese waterlewe met langdurige effeke.

### **Onthoudingsperiodes:**

Laat die volgende onthoudingsperiode toe tussen laaste toediening en oes

Aartappels ..... 7 dae

Hanteer versigtig.

Hou buite bereik van kinders en oningeligte persone en diere.

Moet nie behandelde gebiede betree of toegang toelaat totdat die produk droog is nie.

Bêre weg van voedsel en voer. Bêre in die oorspronklike houër, dig toegemaak, in 'n veilige en goed geventileerde plek.

Gebruik van hierdie materiaal op 'n wyse of op 'n ander tydstip as in ooreenstemming met die aanwysings kan oormatige residue of ander ongewenste resultate veroorsaak.

Moet nie as 'n lugtoediening gebruik nie.

Dien toe slegs wanneer die potensiaal vir spuitstofwegdrywing na gebiede van menslike bewoning of gebiede van menslike aktiwiteite soos huise, huisies, skole en ontspannings areas minimaal is. Neem in ag windspoed, wind rigting, temperatuur inversies, toedienings toerusting en spuit instellings.

Die onthoudingsperiode of voor-oes interval (PHI), dit wil sê die aantal dae tussen laaste toediening en oes, voldoen aan plaaslike maksimum residuperke (MRL's), maar mag nie noodwendig voldoen aan al dié vir uitvoergewasse nie.

### **VRYWARING**

**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 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 siekte 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 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.**



## VOORSORGMAATREËLS

### **VOORSORG VERKLARINGS:**

Moenie dampe/walms/sproei inasem nie.  
Verkry mediese hulp indien jy siek voel.  
Indien op vel: Was vel met genoegsame hoeveelheid water.  
Indien ingesluk: verkry onmiddellik mediese hulp.  
Versamel verspilde produk.  
Raak ontslae van die inhoud/houer in ooreenstemming met toepaslike regulasies.

Veroorsaak ligte en tydelike oogirritasie.  
Moet nie dat die produk in oë kom of op klere nie.  
Dra beskerming vir die gesig (bril, gesigskerm of veiligheidsbril).  
Persone wat met die swamdoder in aanraking kom, moet beskermende klere dra (langmou-hemde en langbroeke, skoene met sokkies en handskoene).  
Langdurige of gereelde herhaalde velkontak kan in sommige individue allergiese reaksies veroorsaak.  
Was deeglik met seep en water na hantering en voor eet, drink, kougom kou, tabak gebruik of die toilet gebruik.  
Verwyder en was die besoedelde klere voor hergebruik.  
Voorkom besoedeling van voer, kos, eetgerei en drinkwater.  
Kan skadelik wees indien ingesluk word.  
**MOENIE DIREK TOEDIEN OP; OF SPUITSTOFWEGDRYING TOELAAT OP ANDER EETBARE GEWASSE NIE GENOEM OP DIE ETIKET NIE, WEIDING, RIVIERE, DAMME EN GEBIEDE NIE ONDER BEHANDELING NIE.**  
Maak toedieningsapparaat skoon na gebruik en gooi waswater weg waar dit nie gewasse, weiding, kos of water sal besoedel nie.  
Spoel leë houers DRIE KEER UIT as volg: Keer die leë houer bo-oor spuittenk of mengtenk om en dreineer vir ten minste 30 sekondes nadat die vloei tot 'n drup afgeneem het. Spoel daarna die leë houer drie keer uit met 'n volume water gelykstaande aan minimum van 10% van die houerkapasiteit. Gooi die spoelinhoud by die spuitmengsel in die spuittenk voordat die houer vernietig word op die voorgeskrewe metode.  
Vernietig leë houer op die voorgeskrewe metode.

### **RELEVANTE STOWWE:**

KOMPONENT	CAS No.	Konsentraat
Famoksadoon	131807-57-3	28,3%
Oxathiapiprolin	1003318-67-9	2,83%
Benseensulfonsuur, C10-13-alkielderivate, kalsiumsout	Nie beskikbaar	$\geq 1,0 - < 2,5$ %
5-Chloor-2-metiel-4-isotiazolin-3-on	26172-55-4	$\geq 0,0002 - < 0,0015$ %
Metiel-4-isotiasolien-3-een	2682-20-4	$\geq 0,0002 - < 0,0015$ %

### **NOODHULPBEHANDELING:**

#### **Algemene advies:**

Hou die produkhouer of etiket byderhand wanneer u 'n gifbeheersentrum of dokter skakel of gaan vir behandeling.

#### **Inaseming:**

Verskuif persoon na vars lug. Indien die persoon nie asemhaal nie, gee kunsmatige asemhaling, verkieslik mond-tot-mond, indien moontlik. Bel 'n gifbeheersentrum of dokter vir behandelingsadvies.

**Velkontak:**

Verwyder onmiddellik alle besmette klere. Spoel die vel dadelik met baie water vir 15-20 minute. Bel 'n gifbeheersentrum of dokter vir behandelingsadvies.

**Oogkontak:**

Spoel versigtig met water vir 'n paar minute. Verwyder kontaklense, indien teenwoordig en maklik om te doen. Gaan voort met spoel. Kry mediese hulp onmiddellik

**Inname:**

Bel 'n gifbeheersentrum of dokter vir behandelingsadvies. Laat die persoon 'n glas water drink indien persoon kan sluk. MOENIE braking veroorsaak nie, tensy dit deur 'n geneesheer of gifbeheersentrum aangewys word. Moet niks per mond aan 'n bewustelose persoon gee nie.

**Notas aan die dokter:** Behandel simptome

**ALGEMENE INLIGTING**

**ZORVEC® ENCANTIA® 330 SE** swamdoders is aktief teen selektiewe oomycete siektes wat op hierdie etiket aangedui word en het voorkomende, residuele, kuratiewe, uitwissende en antisporulante aktiwiteit. **ZORVEC® ENCANTIA® 330 SE** swamdoder is plaaslik sistemies, translaminêr, en beweeg stelselmatig in die xileem. **ZORVEC® ENCANTIA® 330 SE** swamdoders moet in 'n gereelde geskeduleerde beskermende spuitprogram in rotasie met ander swamdoders toegedien word.

**WEERSTANDSWAARSKUWING**

Die volgende beperkings geld vir die gebruik van **ZORVEC® ENCANTIA® 330 SE** of ander FRAC-49-swamdoders.

- Blootstelling aan **ZORVEC® ENCANTIA® 330 SE** (of enige ander FRAC 49-produk) moet nie drie-en-dertig persent (33%) van die totale beskermingstydperk wat per gewas benodig word, oorskry nie.
- Vir ander gewasse as druiwe wanneer drie of meer swamdodertoedienings gemaak word, gebruik **ZORVEC® ENCANTIA® 330 SE** (of 'n ander FRAC 49-produk) in nie meer as 33% van die totale aantal swamdodertoedienings met 'n maksimum van vier toedienings per gewas. Waar minder as drie swamdodertoedienings gemaak word, maak nie meer as een toediening van **ZORVEC® ENCANTIA® 330 SE** (of ander FRAC 49-bevattende produk) nie.
- Toedienings moet voorkomend en nie meer as drie keer agtereenvolgend gedoen word voordat 'n swamdoder met 'n ander wyse van werking toegedien word nie.
- Waar 'n swamdoder met 'n ander werkingswyse volg op **ZORVEC® ENCANTIA® 330 SE** toediening (s), moet hierdie swamdoder verkieslik geneesmiddel hê.
- Baie min blaar swamdoders het aktiwiteit op grondgedraagde patogene en die weerstandsrisiko wat met hierdie siektes geassosieer word, word deur die FRAC (Fungicide Resistance Action Action Committee) beskou as laag. Vir blaarbespuitings van **ZORVEC® ENCANTIA® 330 SE** vir die beheer van grondgedraagde patogene, moet daar nie meer as twee blaarbespuitings wees nie.
- **ZORVEC® ENCANTIA® 330 SE** swamdoder moet nie in die kwekeryproduksie van oorgeplante gewasse gebruik word nie.

IPM en voordele en ander nie-doelwitte-insekte: Corteva Agriscience™ beveel die gebruik van geïntegreerde plaagbestuursprogramme (IPM) aan om plaë te beheer. **ZORVEC® ENCANTIA® 330 SE** kan gebruik word as deel van 'n IPM-program wat biologiese, kulturele en genetiese praktyke insluit wat daarop gemik is om ekonomiese plaagskade te voorkom. Toepassing van hierdie produk moet gebaseer wees op IPM-beginsels en -praktyke, insluitend veld ondersoek of ander opsporingmetodes, korrekte teiken plaag identifikasie, bevolkings monitering en behandeling wanneer siektes voorspellings modelle lokaal vasgestelde aksievlakke bereik. Raadpleeg u plaaslike Corteva Agriscience™ verteenwoordiger om die toepaslike bestuurs-, kulturele praktyk- en behandelingsdrempelvlakke vir die spesifieke gewas, area en siektes.

## WYSE VAN AKSIE

FRAC Groep 49: Oxathiapropolien inhibeer 'n oksiterol bindende proteïen (OSBP) in Oomycete-swamme. Die aksie plek is uniek onder die huidige geregistreerde kommersiële swamdoders en is toegeken aan FRAC Groep 49. Oxathiapropolien is nie kruisbestand teen enige plek van aksie wat tans deur FRAC erken word nie en sal stamme van genoteerde swamme wat weerstandbiedend is teen swamdoders met 'n ander wyse van werking beheer. Oksitol bindende proteïene verteenwoordig 'n groot familie van proteïene wat nie ten volle gekenmerk is nie. Baie funksies in die sel is toegeskryf aan hierdie proteïene wat meestal handel met sein, lipied vervoer, membraanstruktuur en hiphalpungroei. Die OSBP wat verband hou met oksathiapropolienaktiwiteit het eienskappe wat uniek is aan Oomycete-swamme en help om die hoë potensiaal en selektiewe spectrum van oksathiapropolien te verduidelik

## FRAC Groep 11:

Famoxadon - Kompleks III: sitochroom bc1 (ubiquinol oksidase) by Qo site (sit b gene).  
Qo-swamdoders (Quinone buite inhibeerders)

## REËNVASTHEID

**ZORVEC® ENCANTIA® 330 SE** dring plantweefsel vinnig binne en is reënvas vinnig binne 20 minute na toediening.

## SPUITMIDDEL WEGDRYWING:

Spesiale sorg moet geneem word om spuitnewel buite die teikenarea, of op damme, waterweë of slote te voorkom. Die toepassing van groter druppels verminder die wegdrywingspotensiaal, maar sal nie wegdrywing voorkom as aansoek nie behoorlik of onder ongunstige omgewingstoestande plaasvind nie. Dit is die verantwoordelikheid van die toediener om toe te sien dat die spuitapparaat geskik is vir die beoogde aanwending, dat dit korrek opgestel is en dat wegdrywing van die spuitnewel nie plaasvind nie.

## GEBRUIKS AANWYSINGS: GEBRUIK SLEGS SOOS AANGEDUI.

### VERENIGBAARHEID:

Nie alle gewasse binne 'n gewasgroep, en nie alle rasse, kultivars of basters van gewasse, is individueel getoets vir gewasveiligheid nie. Dit is nie moontlik om vir alle gewasse in alle gewasse, kultivars of basters van die gewasse, of onder alle omgewings omstandighede en groei toestande, alle toedienings van **ZORVEC® ENCANTIA® 330 SE** vir gewas veiligheid te evalueer nie. Om te toets vir gewas veiligheid, pas die produk volgens die etiket instruksies toe op 'n klein area van die teikengewas om te verseker dat 'n fitotoksiese reaksie nie voorkom nie, veral waar die toediening 'n nuwe gebruik van die produk deur die toediener is. Sommige materiale, insluitende oliën, oppervlakaktiewe middels, byvoegmiddels en plaagdoder formulasies wanneer dit individueel,

sekwensieel of in tenkmengsels toegedien word, kan die plant kutikula oplos, penetrasie in plantweefsel vergemaklik en die potensiaal vir gewasbesering verhoog.

### **Tenkmengsels:**

In sommige gevalle kan tenk wat 'n plaagbeheer produk meng met 'n ander plaagbeheer produk of 'n kunsmis, biologiese effekte tot gevolg hê wat kan insluit, maar is nie beperk tot: verminderde plaag doeltreffendheid of verhoogde gewasbesering nie. Moenie tenkmengsels maak wat nie spesifiek aanbeveel word op hierdie etiket nie. Die gebruiker aanvaar die risiko van verliese wat voortspruit uit die gebruik van tenkmengsels wat nie op hierdie etiket verskyn nie.

### **MENGINSTRUKSIES:**

- Vul skoon spuittenk 1/2 - 2/3 vol water.
- Voeg die benodigde hoeveelheid **ZORVEC® ENCANTIA® 330 SE** by terwyl dit geroer word, en roer voort totdat die produk heeltemal versprei is.
- Gaan voort met opvulling van die tenk, met aanhoudende roering.
- Spuit onmiddellik na voorbereiding, met aanhoudende roering tydens bespuiting.

### **TENKMENGSEL VOLGORDE:**

Wanneer jy in 'n tenkmengsel gebruik, voeg verskillende formulاسie tipes by in die volgorde soos hieronder aangedui. Laat genoeg tyd verloop vir voldoende vermenging en verspreiding na toediening van elke produk.

- (1) Wateroplosbare sak
- (2) Wateroplosbare korrels (SG)
- (3) Waterdispergeerbare korrels (WG)
- (4) Benatbare poeiers (WP)
- (5) Water-gebaseerde suspensie konsentrate (SC)
- (6) Kapsulesuspensie (CS)
- (7) Suspo emulsie (SE) - **ZORVEC® ENCANTIA® 330 SE**
- (8) Olie-gebaseerde suspensie konsentrate (OD)
- (9) Emulsie in water (EW)
- (10) Emulgeerbare konsentrate (EC)
- (11) Wateroplosbare konsentrate (SL)
- (12) Adjuvante, oppervlakaktiewe en olies
- (13) Oplosbare kunsmisstowwe
- (14) Spuitmiddel wegdrywing vertraging

### **GRONDTOEDIENING:**

Dien **ZORVEC® ENCANTIA® 330 SE** toe as 'n hoë volume vol dek bespuiting met konvensionele spuit apparaat wat korrek gekalibreer is om deeglike bedekking van die teikengewas te verseker en die korrekte dosis per hektaar.

### **MAKSIMUM RESIDUE LEVELS**

Maksimum residu vlakke (MRL) en invoer toleransies vir gewasse behandel met **ZORVEC® ENCANTIA® 330 SE** kan in sommige lande verskil. Raadpleeg die uitvoerder of plaaslike verspreider voordat **ZORVEC® ENCANTIA® 330 SE** toegedien word op uitvoer gewasse.

GEWAS/PLAAG	TOEDIENINGSHOEVEELHEDE	AANBEVELINGS / OPMERKINGS
<b>AARTAPPELS</b> Laatroes <i>Phytophthora infestans</i>	Grond toedienings:  500 ml/ha	Volg 'n voorkomende laatroes program te alle tye. Gebruik <b>ZORVEC® ENCANTIA® 330 SE</b> op enige stadium van gewasontwikkeling wanneer omgewingstoestande gunstig raak vir laatroes infeksie (koel, bewolkte weer met reën of besproeiing). Dien toe as 'n volle dek bespuiting en afhangende van plant grootte in 500-1500 l water / ha. Dien <b>ZORVEC® ENCANTIA® 330 SE</b> toe met spuit intervale van 7-10 dae, as deel van 'n program. Gebruik die korter interval wanneer toestande hoogs gunstig is vir Laat roes ontwikkeling. Twee tot drie terug na rugtoediening van <b>ZORVEC® ENCANTIA® 330 SE</b> word aanbeveel as deel van 'n spuit program teen laat roes. Moenie meer as 3 agtereenvolgende toedienings van <b>ZORVEC® ENCANTIA® 330 SE</b> toedien nie en moenie meer as 4 <b>ZORVEC® ENCANTIA® 330 SE</b> toedienings per seisoen oorskry nie. Wissel af met ander geregistreerde swamdoders met 'n ander wyse van werking gedurende die seisoen.

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