

ZORVEC® ENCANTIA® 330 SE

FUNGICIDE

Registration number/Registrasie Nommer L11227 Act/Wet Nr. / No. 36 of / van 1947

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.



WARNING

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.

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 (oksasolidiendioon)
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, 2nd 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)861-555-777
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:

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May cause an allergic skin reaction.
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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
Tomatoes	3 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:

COMPONENT	CAS No.	Concentration
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:

Corteva Agriscience 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 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
POTATOES Late blight <i>Phytophthora infestans</i>	GROUND APPLICATION: 500 ml/ha	Follow a preventive late blight programme, before first visible signs of the disease at all times. Use ZORVEC ENCANTIA® 330 SE at any stage of crop development whenever environmental conditions become favourable for late blight infection (cool, overcast weather with rain or irrigation). Apply as a full cover spray and depending on plant size, in 300–1000 l water/ha. Apply ZORVEC ENCANTIA® 330 SE 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 ZORVEC ENCANTIA® 330 SE are recommended as part of a spray programme against late blight. Do not apply more than 3 back-to-back ZORVEC ENCANTIA® 330 SE applications and do not apply more than 4 ZORVEC ENCANTIA® 330 SE applications per season. Alternate with other registered fungicides with a different mode of action throughout the season. Refer to Resistance Management section on this label for further information.
TOMATOES (open field crops) Late blight <i>Phytophthora infestans</i>	GROUND APPLICATION: 400 ml/ha	Follow a preventive late blight programme, before first visible signs of the disease using a spray interval of 7-10 days. Use the shorter interval in conditions of high disease pressure. A minimum interval of 7 days between applications must be followed. Use ZORVEC ENCANTIA® 330 SE at any stage of crop development whenever environmental conditions become favourable for late blight infection (cool, overcast weather with rain or irrigation). Apply as a full cover spray and, depending on plant size, in 300–1000 l water/ha. Apply ZORVEC ENCANTIA® 330 SE at spray intervals of 7-10 days either sequentially or in alternation with fungicides that have a different mode of action. Use the shorter spray interval in conditions of high disease pressure. Do not apply more than three ZORVEC ENCANTIA® 330 SE applications in total per crop OR no more than 1/3 of the number of applications against late blight, whichever is the smallest. Refer to Resistance Management section on this label for further information.

WAARSKUWINGS

GEVAARVERKLARINGS:

Vlambare vloeistof.
Kan skadelik wees indien ingesluk.
Kan skadelik wees indien ingeasem.
Kan dodelik wees indien ingesluk en ingeasem.
Kan 'n allergiese velreaksie veroorsaak.
Verlengde of herhaalde blootstelling kan skade aan organe en oë veroorsaak.
Baie giftig vir waterlewe, met langdurige nagevolge.

ONTHOUDINGSPERIODES

Laat die volgende onthoudingsperiode toe tussen laaste toediening en oes:

Aartappels 7 dae
Tamaties 3 dae

Hanteer versigtig.

Hou buite bereik van kinders en oningeligte persone en diere.

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

Bêre weg van voedsel en voer. Bêre in die oorspronklike houer, 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 slegs toe wanneer die potensiaal vir spuitstofwegdrywing na gebiede van menslike bewoning of gebiede van menslike aktiwiteite soos huise, skole en ontspanningsareas minimaal is. Neem windspoed, windrigting, temperatuur-inversies, toedieningstoerusting en spuitinstellings in ag.

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; 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, óf vir 'n gebrek aan prestasie as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom, óf as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in geval van enige onsekerheid.

VOORSORGMAATREËLS

VOORSORGVERKLARINGS:

Moet nie dampe/sputnewel inasem nie.
Kry mediese advies/aandag indien jy sleg voel.
Indien op die vel: spoel met baie water.
Indien ingesluk: kry onmiddellik mediese noodhulp.
Versamel gemorste produk.
Doen weg met die inhoud/houer in ooreenstemming met toepaslike regulasies.

- Veroorsaak ligte en tydelike oogirritasie.
- Moet nie dat die produk in oë of op klere kom nie.
- Dra beskerming vir die gesig (bril, gesigskerm of veiligheidsbril).
- Persone wat met die swamdoder in aanraking kom, moet beskermende klere dra (langmouhemde 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, tabakgebruik of toiletgebruik.
- Verwyder en was die besoedelde klere voor hergebruik.
- Voorkom besoedeling van voer, kos, eetgerei en drinkwater.
- Kan skadelik wees indien ingesluk word.
- In geval van inname, skakel 'n dokter of gifsentrum.
- Moet nie direk toedien of spuitstofwegdrywing toelaat op ander eetbare gewasse as aangedui op die etiket, weiding, riviere, damme en gebiede onder behandeling nie.
- Maak toedieningsapparaat skoon na gebruik en doen weg met waswater 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 'n 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 die leë houer op die voorgeskrewe metode

RELEVANTE BESTANDELE

KOMPONENT	CAS No.	Konsentrasie
Famoxadoon	131807-57-3	28,3%
Oxathiapiprolen	1003318-67-9	2,83%
Benseensulfonielsuur, C10-13-alkyl deriv. kalsiumsout	Nie beskikbaar	$\geq 1,0 - < 2,5 \%$
5-Chloro-2-metiel-4-isothiazolien-3-oon	26172-55-4	$\geq 0,0002 - < 0,0015 \%$
Metiel-4-isothiazolien-3-oon	2682-20-4	$\geq 0,0002 - < 0,0015 \%$

NOODHULPMAATREËLS

Algemene advies:

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

Inaseming:

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

Velkontak:

Verwyder alle besoedelde klere onmiddellik. 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 sluk indien sluk moontlik is. **MOET NIE** braking teweegbring nie, tensy dit deur 'n geneesheer of gifbeheersentrum aanbeveel word. Moet niks per mond aan 'n bewustelose persoon gee nie.

Notas aan die dokter: Behandel simptome.

ALGEMENE INLIGTING

ZORVEC ENCANTIA 330 SE® swamdoder is aktief teen oömiseet-siektes wat op hierdie etiket aangedui word en het voorkomende, residuele, kuratiewe, uitwissende en antisporulerende aktiwiteit. **ZORVEC ENCANTIA 330 SE®** swamdoder is lokaal sistemies, translaminêr, en beweeg sistemies in die xileem. **ZORVEC ENCANTIA 330 SE®** swamdoders moet in 'n gestruktureerde beskermende spuitprogram in rotasie met ander swamdoders toegedien word. **ZORVEC ENCANTIA 330 SE®** swamdoder moet in 'n gestruktureerde, beskermende spuitprogram in rotasie met ander swamdoders toegedien word.

WEERSTANDBESTUUR

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

- 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, moet nie meer as een toediening van **ZORVEC ENCANTIA 330 SE®** (of ander FRAC 49-bevattende produk) maak nie.
- Toedienings moet voorkomend en nie meer as drie keer agtereenvolgend gedoen word voordat 'n swamdoder met 'n ander meganisme van werking toegedien word nie.
- Waar 'n swamdoder met 'n ander meganisme van werking op **ZORVEC ENCANTIA 330 SE®** toediening(s) volg, moet hierdie swamdoder verkieslik kuratiewe werking 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 Committee*) as laag beskou. 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 Committee*) as laag beskou. 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 kwekeryproduksie van oorgeplante gewasse gebruik word nie.

IPM EN VOORDELIGE INSEKTE, EN ANDER NIE-TEIKEN-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. Toediening van hierdie produk moet gebaseer wees op IPM-beginsels en -praktyke, insluitende veldmonitering of ander opsporingsmetodes, korrekte teikenplaag-identifikasie, bevolkings-monitering en behandeling wanneer siekte-voorspellingsmodelle plaaslik vasgestelde drempelwaardes bereik. Raadpleeg u plaaslike Corteva-verteenwoordiger om gepaste bestuur, verbouingspraktyke en drempelwaardes vir die spesifieke gewas, area en siektes vas te stel.

MEGANISME VAN WERKING

FRAC Groep 49:

Oxathiapiprolien inhibeer 'n oksisterol-bindende proteïen (OSBP) in oömiseet-swamme. Die aksiesetel is uniek onder die huidige geregistreerde kommersiële swamdoders en is geklassifiseer as FRAC Groep 49. Oxathiapiprolien is nie kruisbestand teen enige aksiesetel wat tans deur FRAC erken word nie, en sal rasse van gelyste swamme wat weerstandbiedend is teen swamdoders met 'n ander meganisme van werking, beheer. Oksisterol-bindende proteïene verteenwoordig 'n groot familie van proteïene wat nie ten volle gekarakteriseer is nie. Baie funksies in die sel word aan hierdie proteïene toegeskryf, wat meestal betrokke is by seine, lipied-vervoer, membraanstruktuur en hifepunt-groei. Die OSBP wat verband hou met oksathiapiprolien-aktiwiteit het eienskappe wat uniek is aan oömiseet-swamme, wat die hoë effektiwiteit en selektiewe spektrum van oksathiapiprolien verklaar.

FRAC Groep 11:

Famoxadoon - Kompleks III: sitochroom bc1 (ubiquinol oksidase) by Qo site (sit b geen). Qol-swamdoders (*Quinone Outside Inhibitors*).

REËNVASTHEID

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

SPUITMIDDEL WEGDRYING:

Spesiale sorg moet geneem word om spuitnewel wegdrywing buite die teikenarea, of op damme, waterweë of slote te voorkom. Die toediening van groter druppels verminder die wegdrywingspotensiaal, maar sal nie wegdrywing voorkom as toedienings nie korrek gemaak word, 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.

GEBRUIKSAANWYSINGS: 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 alle gewasse in 'n gewasgroep, kultivars of basters van die gewasse, of onder alle omgewingsomstandighede en groeitoestande, alle toedienings van **ZORVEC ENCANTIA 330 SE®** vir gewasveiligheid te evalueer nie. Om te toets vir gewasveiligheid, dien die produk volgens die etiketinstruksies 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 olies, oppervlak-aktiewe middels, byvoegmiddels en sekere plaagdoder-formulasies kan die plantkutikula oplos, penetrasie in plantweefsel vergemaklik en die potensiaal vir gewasskade verhoog wanneer dit individueel, opeenvolgend of in tenkmengsels toegedien word.

TENKMENGSELS

In sommige gevalle kan tenkmengsels van 'n plaagdoder met 'n ander plaagdoder of 'n bemestingstof biologiese effekte veroorsaak wat kan insluit, maar nie beperk is nie, tot verminderde plaagdoder-doeltreffendheid of verhoogde gewasskade.

Moet nie 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 tot $\frac{1}{2}$ - $\frac{2}{3}$ van kapasiteit met water.
- Voeg die benodigde hoeveelheid **ZORVEC ENCANTIA 330 SE®** by terwyl dit geroer word, hou aan roer totdat die produk ten volle vermeng is.
- Gaan voort met opvulling van die tenk, met volgehoue roering.
- Dien onmiddellik na voorbereiding toe, met deurlopende roering tydens bespuiting.

TENKMENGSEL VOLGORDE

Wanneer die produk in 'n tenkmengsel gebruik word, voeg verskillende tipes formulasie by in die volgorde soos hieronder aangedui. Laat genoeg tyd verloop vir voldoende vermenging en verspreiding na byvoeging 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-basis suspensie konsentrate (OD)
- (9) Emulsie in water (EW)
- (10) Emulgeerbare konsentrate (EC)
- (11) Wateroplosbare konsentrate (SL)
- (12) Byvoegmiddels, oppervlak-aktiewe middels en olies
- (13) Oplosbare bemestingstowwe
- (14) Sproei- of spuitmiddel wegdrywing beperkende middels

GRONDTOEDIENING

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

MAKSIMUM RESIDUVLAKKE

Maksimum residuvlakke (MRL) en invoertoleransies vir gewasse behandel met **ZORVEC ENCANTIA 330 SE®** word in sommige lande nog afgewag. Raadpleeg die uitvoerder of plaaslike verspreider voordat **ZORVEC ENCANTIA 330 SE®** toegedien word op uitvoergewasse.

GEWAS / PLAAG	DOSIS/HA	AANBEVELINGS/ OPMERKINGS
AARTAPPELS Laatroes <i>Phytophthora infestans</i>	GRONDTOEDIENING 500 ml/ha	Volg te alle tye 'n voorkomende laatroesprogram, voordat siektesimptome verskyn. Gebruik ZORVEC ENCANTIA 330 SE® op enige stadium van gewasontwikkeling wanneer omgewingstoestand gunstig raak vir Laatroes infeksie (koel, bewolkte weer met reën of besproeiing). Dien toe as 'n voldek-bespuiting en afhangende van plant grootte in 500-1500 l water / ha. Dien toe as 'n voldek-bespuiting en, afhangende van plantgrootte, in 500-1500 l water / ha. Dien ZORVEC ENCANTIA 330 SE® toe met spuitintervalle van 7-10 dae, as deel van 'n program. Gebruik die korter interval wanneer toestande hoogs gunstig is vir Laatroes-ontwikkeling. Twee tot drie opeenvolgende toedienings van ZORVEC ENCANTIA 330 SE® word aanbeveel as deel van 'n spuitprogram teen Laatroes. Moet nie meer as 3 agtereenvolgende toedienings van ZORVEC ENCANTIA® 330 SE toedien nie en moet nie meer as 4 ZORVEC ENCANTIA® 330 SE toedienings per seisoen oorskry nie. Wissel af met ander geregistreerde swamdoders met 'n ander meganisme van werking gedurende die seisoen. Verwys na die Weerstandsbestuur afdeling op hierdie etiket vir verdere inligting.
TAMATIES (oop-veld verbouing) Laatroes <i>Phytophthora infestans</i>	GRONDTOEDIENING 400 ml/ha	Volg 'n voorkomende Laatroesprogram voordat siektesimptome verskyn. Gebruik ZORVEC ENCANTIA® 330 SE op enige stadium van gewasontwikkeling wanneer omgewingstoestand gunstig word vir Laatroes infeksie (koel, bewolkte weer met reën of besproeiing). Dien toe as 'n volledige bespuiting en, afhangende van die plantgrootte, in 300–1000 l water/ha. Dien ZORVEC ENCANTIA® 330 SE toe met spuitintervalle van 7-10 dae, hetsy opeenvolgend of afwisselend met swamdoders wat 'n ander meganisme van werking het. Gebruik die korter spuitinterval in toestande van hoë siektedruk. 'n Minimum interval van 7 dae tussen toedienings moet gevolg word. Moet nie meer as drie ZORVEC ENCANTIA® 330 SE toedienings in totaal per gewas toedien nie, OF nie meer as 1/3 van die aantal toedienings teen Laatroes nie, wat ook al die kleinste is. Verwys na die Weerstandsbestuur afdeling op hierdie etiket vir verdere inligting.

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