

ENTRUST[®] NATURALYTE 800 WP

INSECTICIDE

Registration number/Registrasie Nommer L7389 Act/Wet Nr. / No. 36 of / van 1947
N-AR 1130

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

IRAC GROUP	5	INSECTICIDES
An organic wettable powder contact and stomach insecticide for the control of insects on agricultural crops as listed. May be considered for use in organic crop production.		'n Organiese benatbare poeier kontak- en maaginsekdoder vir die beheer van insekplae in landbougewasse soos aangedui. Mag vir gebruik in organiese gewasproduksie oorweeg word.



HAZARD STATEMENTS:

May be harmful if swallowed.
Causes mild skin irritation.
Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.



PRECAUTIONARY STATEMENTS:

Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Collect spillage.
Dispose of contents/container in accordance with applicable regulations.

WARNING

ACTIVE INGREDIENT/AKTIEWE BESTANDDEEL

Spinosad (Naturalyte) 800 g/kg Spinosad (Naturaliet)

Net volume kg 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: 3077

Poisons Helpline: +27(0)861-555-777
Griffon Poison Information Centre: +27(0)82-446-8946
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

Entrust Naturalyte 800 WP/2023-05-08

WARNINGS:

HAZARD STATEMENTS:
May be harmful if swallowed.
Causes mild skin irritation.
Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.

Withholding period - Minimum number of days between last application and harvest:

Apples	30 days
Blue berries	14 days
Cabbages	3 days
Citrus	14 days
Chives	7 days
Cucurbits	7 days
Leeks	7 days
Lettuce	7 days
Nectarines	7 days
Onions	7 days
Peaches	21 days
Pears	14 days
Peas	1 day
Plums	21 days
Potatoes	7 days
Raspberries	14 days
Spinach	7 days
Table Grapes	42 days
Tomatoes	3 days

NOTE: Compliance with these withholding periods will ensure that residues do not exceed local Maximum Residue Limits. However, the import tolerances of other countries may differ and local residue limits and withholding periods may possibly not comply with those of other countries. If the crop to be treated is intended for export, consult the relevant importer or exporting body regarding the use of this product, Maximum Residue Limits, and recommended withholding periods.

IMPORTANT: The certifying criteria for products allowed for use in organic agriculture vary from country to country and even within a country where multiple certifying bodies exist. Therefore, producers and exporters of organic agricultural products must be waware of the criteria specified for organic agriculture in the destination country, local jurisdiction, or buyer. Producers of organic agricultural products who intend to treat a crop with a spinosad-based product and intend to export the agricultural product or sell it to a specific buyer should be aware of differences in organic certification criteria around the world and export or sell spinosad-treated produce only in full compliance with these buyer or destination-country requirements. In addition, all phytosanitary and other regulatory requirements for agricultural products, such as Maximum Residue Limits (MRL) and related Pre-harvest intervals (PHI) for local consumption or export destination countries must be adhered to.

- Handle with care.
- May cause slight eye irritation.
- This product is moderately toxic to fish and toxic to aquatic invertebrates. Do not apply directly to open water.

- Beneficial Insects:
 “Moderately Toxic to Bees”
 - ❖ This product is toxic to bees when exposed to direct spray, or sprayed flowering crops, before spray deposit is dry.
 - ❖ Do not apply directly to foraging bees, or bee colonies.
 - ❖ Apply only at night when crop is flowering, or other foraging vegetation is within 500 m from the spraying area.
 - ❖ Allow at least 3 hours between application and foraging period of bees.

Co-ordinate in this regard with neighbours, beekeepers and local extension services when applying in the vicinity of crops in flower. There is minimal effect on bees after the spray has dried.

“Harmful to Parasitoids”

“Harmless to Predatory Mites”

“Slightly Harmful to Coccinellidae”

“Slightly Harmful to Neuroptera”

Citrus beneficial insects:

Chilochorus nigritus – Slightly harmful

Aphytis lingnanensis – Harmful

Coccidoxenoides peregrinus – Very harmful

Trichogrammatoidea cryptophlebiae – Slightly harmful

Euseius citri – Slightly harmful.

* It must be remembered that **ENTRUST® NATURALYTE 800 WP** does not have a long persistence in the field and therefore the effect on the beneficial insects should be of short duration.

- Store in a cool and dry place, away from food and feedstuffs.
- Keep out of reach of children, uninformed persons, and animals.

Re-entry interval: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

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 use to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the supplier in the event of any uncertainty.

PRECAUTIONS:

PRECAUTIONARY STATEMENTS:

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Collect spillage.

Dispose of contents/container in accordance with applicable regulations.

Store in original labeled container only.

Avoid inhalation of spray mist.

Wash with soap and water after use or accidental skin contact.

Wear gloves and face shield when handling concentrate and face shield when applying.

Avoid contamination of skin and eyes. In case of accidental contact with the eyes, wash with running water for at least 15 minutes. Get medical attention if irritation persists.

Do not eat, drink, or smoke whilst mixing or applying.

Wash hands and face before eating, drinking, smoking, or using the toilet.

Avoid spray drift onto adjacent crops, grazing, rivers, and dams.

Clean applicators before using for other remedies and dispose of wash water where it will not contaminate crops, grazing, rivers, dams and water sources and areas not under treatment.

Triple rinse empty container in the following manner: Invert empty container over spray or mixing tank and allow to drain for at least 30 seconds after flow has slowed down to a drip. Thereafter rinse container three times with a volume of water equal to a minimum of 10 % of that of the container. Add the rinsings to the contents of the spray tank before destroying the container by perforation, flattening, and burying and do not use for any other purpose.

Prevent contamination of food, feedstuffs, drinking water and eating utensils by handling, storage, or disposal.

RELEVANT SUBSTANCES:

COMPONENT	CAS No.	Concentration (% w/w)
spinosad (ISO) (reaction mass of spinosyn A and spinosyn D in ratios between 95:5 to 50:50)	168316-95-8	>= 80 - < 90
Naphthalenesulfonic acid, polymer with formaldehyde	9084-06-4	>= 2,5 - < 3
Di-2-ethylhexyl sodium sulfosuccin-ate	577-11-7	>= 1 - < 3
Spinosyn B	131929-61-8	>= 1 - < 2,5
Kaolin	1332-58-7	>= 3 - < 10

FIRST AID TREATMENT:

Wash hair and affected skin areas with soap and water.
Flush eyes with copious amounts of clean water for 10 – 15 minutes.

Inhalation

Move person to fresh air. If person is not breathing, call an emergency responder or ambulance, then give artificial respiration, if by mouth-to-mouth use rescuer protection (pocket mask etc). Call a poison control center or doctor for treatment advice.

Skin contact

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

Eye contact

Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Suitable emergency eye wash facility should be immediately available.

Ingestion

No emergency medical treatment necessary.

SYMPTOMS OF HUMAN POISONING

Moderately irritating to skin and mucous membranes. Ingestion of high concentrations may cause fibrillary muscle twitching, tachycardia, hyperventilation, vasodilatation or even convulsion and coma.

Insecticide Resistance Management (IRM)

The classification scheme of insecticides is based on “mode of action”. **ENTRUST® NATURALYTE 800 WP** is classified as a spinosyn (subgroup 5A) insecticide.

Any insect population may contain individuals naturally resistant to **ENTRUST® NATURALYTE 800 WP** and other spinosyns. The resistant individuals will eventually dominate the insect population if these insecticides are used repeatedly over long periods or to consecutive generations. **ENTRUST® NATURALYTE 800 WP** or other spinosyn insecticides may not control these resistant insects. Local experts should be consulted for resistance strategies and specific recommendations. It is recognised that resistance of insects and mites to insecticides and acaricides can also result from enhanced metabolism, reduced penetration or behavioural changes that are not linked to any site of action classification but are specific for individual chemicals or chemical groupings. Despite this, alteration of compounds from different chemical classes remains a viable anti-resistance management technique.

To delay insecticide resistance

- Avoid the exclusive repeated use of insecticides from the same chemical subgroup.
- Do not use less than recommended label rates of any insecticides.
- Target applications preferably against early instar larvae and eggs of the pest whenever possible.
- Include proven cultural and biological control practices within an Integrated Pest Management Programme.

Integrated Pest Management (IPM) Programme:

ENTRUST® NATURALYTE 800 WP can be recommended for IPM programmes in various crops. **ENTRUST® NATURALYTE 800 WP** should be applied when field scouting indicates target pest densities have reached the economic threshold. Other than reducing the target pest species as a food source, **ENTRUST® NATURALYTE 800 WP** used under GAP, does not have a significant impact on certain parasitic or predaceous insects and mites, including ladybirds, lacewings, assassin bugs, predatory mites, etc. Although **ENTRUST® NATURALYTE 800 WP** is classified as “harmful” to Parasitoids, field studies showed a rapid recovery of numbers after application. The feeding activities of these beneficial arthropods will aid in the extended natural control of other insects and reduce the likelihood of secondary pest outbreaks for which additional insecticide treatments may be needed. If **ENTRUST® NATURALYTE 800 WP** is tank mixed with any insecticide that reduces its selectivity in preserving beneficial predatory insects, then the full benefit of **ENTRUST® NATURALYTE 800 WP** to the IPM programme may be reduced.

DIRECTIONS FOR USE:

Use only as indicated

ENTRUST® NATURALYTE 800 WP is a wettable powder, which should be mixed with water and applied as a foliar spray with ground equipment equipped for conventional insecticide application.

MIXING INSTRUCTIONS:

Mixing ENTRUST® NATURALYTE 800 WP alone:

Fill the spray tank with water to about half of the total spray volume required. Start agitation and add the required amount of pre-mixed **ENTRUST® NATURALYTE 800 WP** through a sieve to the spray tank. Continue mixing and agitation while filling the spray tank to the required spray volume. Maintain sufficient agitation during application to ensure uniformity of the spray mix. Do not allow water or spray mixture to back-siphon into the water source.

When adding wetting agents to the spray mixture a compatibility test needs to be carried out.

Compatibility, Tank mixing and pH:

Before tank mixing **ENTRUST® NATURALYTE 800 WP** with other products, a compatibility test (jar test) using relative proportions of tank mix products should be conducted prior to mixing in the spray tank. If foliar fertilisers are used, the compatibility test should be repeated with each fertilizer product with a different composition, utilising the mixing water source. Vigorous, continuous agitation during mixing, filling and throughout application is required for all tank mixes. Back flow sparger pipe agitators, at the bottom of the spray tank, generally provide the most effective agitation in spray tanks. To prevent foaming in the spray tank, avoid mixing air into the spray mixture.

Do not apply **ENTRUST® NATURALYTE 800 WP** in muddy water. **ENTRUST® NATURALYTE 800 WP** will perform best at a pH of 6 – 9.

Mixing Sequence for Tank Mixes:

Fill the spray tank with water to approximately one quarter of the total spray volume required. Start agitation. Add different formulation types in the order indicated below, allowing time for complete mixing and dispersion after addition of each product. Allow extra mixing and dispersion time for water dispersible granule (dry flowable) (WG) products.

Add different formulation types in the following order:

1. Water dispersible granules. (After pre-mixing with water)
2. **ENTRUST® NATURALYTE 800 WP** and other wettable powders. (After pre-mixing with water).
3. Suspension Concentrates. Maintain agitation and fill spray tank to three-quarters of total spray volume. Then add:
4. Emulsifiable concentrates.
5. Spray Adjuvants. (Where **ENTRUST® NATURALYTE 800 WP** is needed to be applied in combination with a spray-oil, first pre-mix the required amount of **ENTRUST® NATURALYTE 800 WP** and spray-oil, before adding to the spray water)
6. Foliar Fertilizers.

Finish filling the spray tank while maintaining continuous agitation during mixing, final filling and throughout application. If spraying and agitation must be stopped before the spray tank is empty, settled materials must be resuspended before spraying is resumed. A back flow sparger agitator at the bottom of the tank is particularly useful for this purpose.

Premixing:

Dispersible granule (WG) and Wettable Powder (WP) formulations may be pre-mixed with water (slurried) and added to the spray tank through a 20 - 35 mesh screen. This procedure assures good initial dispersion of these formulation types.

APPLICATION

Proper application techniques help ensure thorough spray coverage and the correct dosage necessary to obtain optimum control of insect pests. The following recommendations are provided for effective application of **ENTRUST™ NATURALYTE 800 WP**. To ensure adequate spray coverage, attention should be given to ground speed and calibration, wind speed, and foliar canopy.

Application for row crops:

Use conventional ground spray equipment calibrated to provide thorough coverage of the target crop. Align the boom and nozzles to obtain uniform coverage of the target crop. Under certain conditions, nozzles on drop arms may be required to obtain uniform crop coverage. Use hollow cone nozzles suitable for insecticide spraying or air assisted boom sprayers. Follow manufacturer's recommendations for ideal nozzle spacing, pressure, and boom height.

Application for Fruit tree crops:

Use conventional orchard spray equipment correctly calibrated to provide thorough coverage of the target crop and correct rate per ha.

Deciduous fruit trees:

ENTRUST® NATURALYTE 800 WP should be sprayed as a high volume (HV) application to deciduous fruit trees. Rate per ha should preferably be calculated according to the formula for HVR, using "*Unrath's Formula*" for "*Tree Row Volume*" (TRV).

$$\text{TRV} = \frac{\text{Tree Height (TH)} \times \text{Tree Width (TW)} \times 937}{\text{Distance between Rows (RW)}} = \text{HVR in liters per ha}$$

*(Tree height and tree width should be measured during summer when trees are in full flush)

Directions for Application Volumes (AV) at different growth stages and the calculation of rate per ha, based on High Volume Requirements (HVR)

Growth Stage	Application Volume
Bud Break to Full Blossom	60 % x HVR
75 % Petal Fall to One Month Later (Mid Season)	80 % x HVR
Mid Season to Post Harvest, Before Leaf Drop	100 % x HVR

$$\text{Rate per ha} = \frac{\text{HVR in } \text{£} / \text{ha} \times \text{Rate per 100 } \text{£}}{100}$$

Application for Table Grapes:

ENTRUST® NATURALYTE 800 WP should be sprayed as a high-volume application to table grapes. The amount of **ENTRUST® NATURALYTE 800 WP** per ha must be calculated according to the high-volume requirements for a specified growth stage by using the following guidelines.

Growth Stage	Suggested volume of spray mixture per ha for high volume application
2,5 cm to 25 cm shoot length	500 – 750 l
25 cm shoot length to just prior to flowering	750 – 1000 l
Flowering to pea berry stage	1000 – 1200 l
Pea berry stage to harvest	1200 – 1500 l

Warning: Where crops are produced under shade cloth, the breakdown of spinosad may take longer which will increase the withholding period.

CROP/PEST	DOSAGE/100 l WATER	REMARKS
APPLES American (African) Bollworm (<i>Helicoverpa armigera</i>)	12 g	Apply ENTRUST® NATURALYTE 800 WP as a high volume, full cover application when scouting indicates infestation level at, or above threshold level. Note: As a single corrective spray against bollworm, ENTRUST® NATURALYTE 800 WP is more effective against early instar larvae.
Thrips (Various species including Western Flower Thrip – WFT – <i>Frankliniella occidentalis</i>)	9 g	Early thrip damage normally occurs during the period of early blossom to shortly after blossom. Hot weather conditions favours thrip activity. Recommended monitoring methods should be adhered to, to establish the presence and extent of the pest, especially during the susceptible stage. Apply ENTRUST® NATURALYTE 800 WP during flowering as a high-volume cover application when scouting indicates infestation of pest at, or above threshold levels. Depending on the duration of the flowering period and the infestation level of thrips, a follow-up application within 7 – 10 days may be necessary to obtain adequate protection.

CROP/PEST	DOSAGE/100 l WATER	REMARKS
APPLES (cont.)		Resistance management: For resistance management, ENTRUST® NATURALYTE 800 WP should not be applied in more than two (2) consecutive applications against Thrips and in total not more than four (4) spinosad applications per season on apples.
<p>BLUEBERRIES American (African) Bollworm (<i>Helicoverpa armigera</i>)</p> <p>Thrips (Various species including Western Flower Thrip – WFT – <i>Frankliniella occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Apply ENTRUST® NATURALYTE 800 WP as a high volume, cover application when scouting indicates infestation level at, or above threshold level.</p> <p>Note: As a single corrective spray against bollworm, ENTRUST® NATURALYTE 800 WP is more effective against early instar larvae.</p> <p>Early thrip damage normally occurs during the period of early blossom to shortly after blossom and late damage after harvest on new vegetative growth. Hot weather conditions favours thrip activity. Recommended monitoring methods should be adhered to, to establish the presence and extent of the pest, especially during the susceptible stage.</p> <p>Apply ENTRUST® NATURALYTE 800 WP during flowering as well as post harvest when new (vegetative) growth is attacked as a high-volume cover application when scouting indicates infestation of pest at, or above threshold levels. Depending on the duration of the flowering period and the infestation level of thrips, a follow-up application within 7 – 10 days may be necessary to obtain adequate protection.</p> <p>Resistance management: For resistance management, ENTRUST® NATURALYTE 800 WP should not be applied in more than two consecutive applications against Thrips and in total not more than three (3) spinosad applications per season on blueberries.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>CABBAGE Diamond-Back Moth larvae (<i>Plutella xylostella</i>)</p> <p>Tomato leaf miner moth (<i>Tuta absoluta</i>)</p>	<p>18 g (90 - 180 g/ha)</p> <p>+ 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on cabbages.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p>	<p>Apply in a spray programme as a full cover spray at a minimum of 500 l/ha spray mixture every 7 - 10 days.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than four (4) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) applications per cultivation.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>CHIVES Thrips (<i>Thrips tabaci</i>)</p>	<p>9 g (45 – 90 g / ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on chives.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p>	<p>Apply in a spray programme as a full cover spray at a minimum of 500 - 1000 l/ha spray mixture every 7 - 10 days. Ensure thorough wetting of plants.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months.</p> <p>Notwithstanding control measures, some thrip damage may occur.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) spinosad applications per cultivation.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>CUCURBITS (cont.) American (African) Bollworm (<i>Heliothis armigera</i>)</p> <p>American Leafminer (<i>Liriomyza trifolii</i> spp.)</p> <p>Tomato leafminer moth (<i>Tuta absoluta</i>)</p>	<p>12 g (60 – 120 g/ha) + A registered wetter at the registered dosage rate for use on cucurbits.</p> <p>18 g (90 – 180 g/ha) + A registered wetter at the registered dosage rate for use on cucurbits.</p>	<p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest thereafter. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) spinosad applications per cultivation.</p>
<p>LAWNS Lawn caterpillar</p>	<p>1,2 g/10 l water (10 l spray mixture/20 m²)</p>	<p>Apply 10 l spray mixture evenly over 20 m² lawn area with a fine rose watering can as a drench as soon as the lawn caterpillars appear. Repeat the application as soon as a new generation of lawn caterpillars appear.</p>

CROP/PEST	DOSAGE / 100 l WATER	REMARKS
<p>LEEKS Thrips (<i>Thrips tabaci</i>)</p>	<p>9 g (45 – 90 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on leeks.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p>	<p>Apply in a spray programme as a full cover spray at a minimum of 500 - 1000 l/ha spray mixture every 7 - 10 days. Ensure thorough wetting of plants.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months.</p> <p>Not withstanding control measures, some thrip damage may occur.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) applications per cultivation.</p>

CROP/PEST	DOSAGE / 100 l WATER	REMARKS
<p>LETTUCE American (African) Bollworm (<i>Heliothis armigera</i>)</p> <p>Tomato leafminer moth (<i>Tuta absoluta</i>)</p>	<p>12 g (60 – 120 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on lettuce.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p> <p>18 g (90 – 180 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on lettuce⁹</p>	<p>Apply in a spray programme as a full cover spray at a minimum of 500 l/ha up to 1000 l/ha spray mixture every 7 - 10 days.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months.</p> <p>Apply in a spray programme as a full cover spray at a minimum of 500 l/ha up to 1000 l/ha spray mixture every 7 - 10 days.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months.</p>

CROP/PEST	DOSAGE / 100 l WATER	REMARKS
LETTUCE (cont.)		<p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) spinosad applications per cultivation.</p>
<p>ONIONS Thrips (<i>Thrips tabaci</i>)</p>	<p>9 g (45 – 90 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on onions.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p>	<p>Apply in a spray programme as a full cover spray at a minimum of 500 - 1000 l/ha spray mixture every 7 - 10 days. Ensure thorough wetting of plants.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months.</p> <p>Not withstanding control measures, some thrip damage may occur.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) applications per cultivation.</p>

CROP/PEST	DOSAGE / 100 l WATER	REMARKS
<p>ORNAMENTALS AND ROSES Western Flower Thrip (<i>Frankliniella occidentalis</i>)</p>	<p>3 g/10 l water</p>	<p><u>Corrective Spray:</u> Remove all open flowers before treatment when thrips are present on Roses. Not essential on any other plants but can improve efficacy. Apply as a full cover spray on foliage, open flowers, and buds.</p> <p><u>Preventative spray:</u> Apply as a full cover spray before buds open and apply at weekly intervals. A minimum of three applications 7 days apart should give sufficient control.</p> <p>For the purpose of resistance strategy do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in a 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of 6 (six) applications per cultivation/season.</p>
<p>PEAS Only peas that will be shelled Potato leafminer (<i>Liriomyza huidobrensis</i>)</p>	<p>18 g (90 - 180 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on peas.</p>	<p>Apply in a spray programme as a full cover spray at 500 - 1000 l/ha spray mixture every 7 – 10 days.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST* NATURALYTE 800 WP sprays to ensure effective control of pest.</p>

CROP/PEST	DOSAGE / 100 l WATER	REMARKS
<p>PEAS (cont.)</p>		<p>The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 500 l spray mixture/ha on young plants and increase volume up to 1000 l/ha as plant size increases.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months or when beneficial insects are absent.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) applications per cultivation.</p>
<p>PEACHES including NECTARINES American (African) Bollworm (<i>Helicoverpa armigera</i>)</p>	<p>12 g</p>	<p>Apply ENTRUST® NATURALYTE 800 WP as a high volume, cover application when scouting indicates infestation level at, or above threshold level.</p> <p>Note: As a single corrective spray against bollworm, ENTRUST® NATURALYTE 800 WP is more effective against early instar larvae.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>NECTARINES ONLY Thrips (Various species including Western Flower Thrip – WFT – <i>Frankliniella occidentalis</i>)</p> <p>Early damage</p> <p>Prevention of silvering</p>	<p>12 g</p> <p>9 g</p> <p>9 g</p>	<p>Early thrip damage normally occurs during the period of early blossom to shortly after blossom. Damage caused by WFT may also occur as late as shortly before harvest (See “Prevention of Silvering”). Hot weather conditions favours thrip activity. Recommended monitoring methods should be adhered to, to establish the presence and extent of the pest, especially during the susceptible stage.</p> <p>Apply ENTRUST® NATURALYTE 800 WP during flowering as a high volume, cover application when scouting indicates infestation of pest at, or above threshold levels. Depending on the duration of the flowering period and the infestation level of thrips, a follow-up application within 7 – 10 days may be necessary to obtain adequate protection.</p> <p>Apply ENTRUST® NATURALYTE 800 WP as a high volume cover application when first thrip activity, responsible for silvering, is noticed. Do not apply within 7 days of harvest.</p> <p>Resistance management: For resistance management, ENTRUST® NATURALYTE 800 WP should not be applied in more than two consecutive applications or in total, more than four times per season on Nectarines. (Adhere to withholding periods).</p>
<p>PEARS American (African) Bollworm (<i>Helicoverpa armigera</i>)</p>	<p>12 g</p>	<p>Apply ENTRUST® NATURALYTE 800 WP as a high-volume cover application when scouting indicates infestation level at, or above threshold level.</p> <p>Note: As a single, corrective spray against bollworm, ENTRUST® NATURALYTE 800 WP is more effective against early instar larvae.</p> <p>Resistance management: For resistance management, ENTRUST® NATURALYTE 800 WP should not be applied in total, more than four times per season on Pears.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>PLUMS American (African) Bollworm (<i>Helicoverpa armigera</i>)</p> <p>Thrips (Various species including Western Flower Thrip – WFT – <i>Frankliniella occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Apply ENTRUST® NATURALYTE 800 WP as a high-volume cover application when scouting indicates infestation level at, or above threshold level.</p> <p>Note: As a single corrective spray against bollworm, ENTRUST® NATURALYTE 800 WP is more effective against early instar larvae.</p> <p>Early thrip damage normally occurs during the period of early blossom to shortly after blossom. Hot weather conditions favours thrip activity. Recommended monitoring methods should be adhered to, to establish the presence and extent of the pest, especially during the susceptible stage.</p> <p>Apply ENTRUST® NATURALYTE 800 WP during flowering as a high volume, cover application when scouting indicates infestation of pest at, or above threshold levels. Depending on the duration of the flowering period and the infestation level of thrips, a follow-up application within 7 – 10 days may be necessary to obtain adequate protection.</p>
<p>PLUMS (cont.) Thrips (Various species including Western Flower Thrip – WFT – <i>Frankliniella occidentalis</i>)</p>	<p>9 g</p>	<p>Resistance management: For resistance management, ENTRUST® NATURALYTE 800 WP should not be applied in more than two (2) consecutive applications or in total, more than four times per season on Plums.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>POTATOES</p> <p>Potato tuber moth larvae (<i>Phthorimaea operculella</i>)</p> <p>American (African) Bollworm (<i>Helicoverpa armigera</i>)</p> <p>Potato leaf miner (<i>Liriomyza huidobrensis</i>)</p> <p>Tomato leafminer moth (<i>Tuta absoluta</i>)</p>	<p>18 g (90 - 180 g/ha)</p> <p>+</p> <p>150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on potatoes.</p>	<p>Apply in a spray programme as a full cover spray at 500 - 1000 l/ha spray mixture every 7 - 10 days.</p> <p>Start application when the pests are first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>The volume of spray mixture to be applied per ha depends on the plant size and plant density. Start with a minimum of 500 l spray mixture/ha on young plants and increase volume up to 1000 l/ha as plant size increases.</p> <p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months or when beneficial insects are absent.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) applications per cultivation.</p> <p>Ridge at least twice during growing season (tuber moth).</p> <p><u>Potato leaf miner (<i>Liriomyza huidobrensis</i>):</u></p> <p>Use SANAMECTIN 18 EC (Reg. No. L5928) to rotate with ENTRUST® NATURALYTE 800 WP in an anti-resistance spray program.</p> <p>Ridge at least twice during growing season (tuber moth).</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>RASPBERRIES American (African) Bollworm (<i>Helicoverpa armigera</i>)</p> <p>Thrips (Various species including Western Flower Thrip – WFT – <i>Frankliniella occidentalis</i>)</p> <p>Thrips</p>	<p>12 g</p> <p>9 g</p>	<p>Apply ENTRUST® NATURALYTE 800 WP as a high volume, cover application when scouting indicates infestation level at, or above threshold level.</p> <p>Note: As a single corrective spray against bollworm, ENTRUST® NATURALYTE 800 WP is more effective against early instar larvae.</p> <p>Early thrip damage normally occurs during the period of early blossom to shortly after blossom. Hot weather conditions favours thrip activity. Recommended monitoring methods should be adhered to, to establish the presence and extent of the pest, especially during the susceptible stage.</p> <p>Apply ENTRUST® NATURALYTE 800 WP during flowering as a high-volume cover application when scouting indicates infestation of pest at, or above threshold levels. Depending on the duration of the flowering period and the infestation level of thrips, a follow-up application within 7 – 10 days may be necessary to obtain adequate protection.</p> <p>Resistance management: For resistance management, ENTRUST® NATURALYTE 800 WP should not be applied in more than two consecutive applications and in total not more than three (3) times per season on raspberries.</p>
<p>SPINACH Thrips (<i>Thripidae</i> spp.)</p>	<p>9 g (45 – 90 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on spinach.</p>	<p>Apply in a spray programme as a full cover spray at a minimum of 500 l/ha up to 1000 l/ha spray mixture every 7 - 10 days.</p> <p>Start application when the pest is first noticed or apply as a follow-up application in a spray programme after insecticides from a different class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pest.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>SPINACH (cont.) American (African) Bollworm (<i>Helicoverpa armigera</i>)</p> <p>American Leafminer (<i>Liriomyza trifolii</i>)</p> <p>Tomato leafminer moth (<i>Tuta absoluta</i>)</p>	<p>12 g (60 – 120 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on spinach.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p> <p>18 g (90 – 180 g/ha) + 150 – 200 ml light or medium narrow range mineral oil (eg. As registered for use on citrus) OR A registered wetter at the registered dosage rate for use on spinach.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p>	<p>Use the shorter spray interval of 7 days when heavy infestations occur or when climatic conditions favour the pest e.g., during summer months.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate ENTRUST® NATURALYTE 800 WP in a spray programme with a different chemical class of insecticide for the duration of at least one generation of the pest. Do not apply ENTRUST® NATURALYTE 800 WP in more than a total of six (6) applications per cultivation.</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>TABLE GRAPES American (African) Bollworm (<i>Helicoverpa armigera</i>)</p> <p>Thrips (Various species including Western Flower Thrip – <i>Frankliniella occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Apply ENTRUST® NATURALYTE 800 WP as a high volume, cover application when scouting indicates infestation level at, or above threshold level.</p> <p>Note: As a single corrective spray against bollworm, ENTRUST® NATURALYTE 800 WP is more effective against early instar larvae.</p> <p>The presence of thrips and their coupled damage on grapes occurs mainly during the period of early flowering to shortly after flowering. The presence of thrips should be monitored on a regular basis during the susceptible stage.</p> <p>Apply ENTRUST® NATURALYTE 800 WP as a high-volume cover application when scouting indicates infestation at, or above threshold levels. To obtain adequate protection, a follow-up application within 5 – 7 days may be necessary, depending on the duration of the flowering period and the presence of thrips.</p> <p>Resistance Management: ENTRUST® NATURALYTE 800 WP should not be applied in more than two consecutive applications against Thrips and in total, more than four (4) spinosad applications per season on Table Grapes. (Adhere to withholding periods).</p>

CROP/PEST	DOSAGE/100 l WATER	REMARKS
<p>TOMATOES American leafminer (<i>Liriomyza trifolii</i>)</p> <p>American (African) bollworm (<i>Helicoverpa armigera</i>)</p> <p>Tomato Semi-looper (<i>Chrysodeixis acuta</i>)</p> <p>Tomato leafminer moth (<i>Tuta absoluta</i>)</p>	<p>18 g (90 - 180 g/ha) + 150 – 200 ml light or medium narrow range mineral oil OR A registered wetter at the registered dosage rate for use on tomatoes.</p> <p>Do not use oil if temperatures above 28 °C are expected.</p>	<p>Apply in a spray programme as a full cover spray at 500 – 1000 l/ha every 7 - 10 days.</p> <p>Start application when the pests are first noticed or apply as follow-up applications after insecticides from a different chemical class as required in anti-resistant programmes. Apply a minimum of two consecutive ENTRUST® NATURALYTE 800 WP sprays to ensure effective control of pests.</p> <p>The volume of spray mixture to be applied per ha depends on the plant size and foliar density. Start with a minimum of 500 l spray mixture/ha on young plants and increase volume up to 1000 l/ha as plant size increases.</p> <p>Use the shorter spray intervals when the infestations are heavy or the climatic conditions favour the pest e.g., during summer months or in the absence of natural enemies.</p> <p>For the purpose of a resistance strategy, do not apply ENTRUST® NATURALYTE 800 WP in more than three (3) consecutive applications in any 28-day period. Rotate to a different chemical class of insecticide for at least one generation. Do not apply more than a total of six (6) treatments per cultivation.</p>

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

WAARSKUWINGS

RISIKOVERKLARINGS:

Skadelik indien dit ingesluk word.

Veroorsaak ligte velirritasie.

Veroorsaak ernstige oogirritasie.

Uiters giftig vir akwatiese fauna en flora/waterlewe, met langdurige effek.

Onthoudingsperiode - Minimum aantal dae wat tussen die laaste toediening en oes:

Aartappels	7 dae
Appels	30 dae
Blaarslaai	7 dae
Bloubessies	14 dae
Ertjies	1 dag
Frambose	14 dae
Grasuie	7 dae
Kool	3 dae
Nektariens	7 dae
Pampoengewasse	7 dae
Pere	14 dae
Perskes	21 dae
Preie	7 dae
Pruime	21 dae
Sitrus	14 dae
Spinasie	7 dae
Tafeldruiwe	42 dae
Tamaties	3 dae
Uie	7 dae

NOTA: Nakoming van bogenoemde onthoudingsperiodes sal verseker dat die plaaslike vereistes vir Maksimum Residu Limiete nie oorskry word nie. Die invoertolleransies van ander lande mag egter verskil van plaaslike vlakke en onthoudingsperiodes mag dus nie aan die vereistes van ander lande voldoen nie. Indien die gewas wat behandel gaan word vir uitvoer bestem is, skakel met die betrokke invoerder of uitvoerorganisasie voor die gebruik van hierdie produk, rakende maksimum residuvereistes en aanbevole onthoudingsperiodes.

BELANGRIK: Die sertifiseringskriteria vir produkte wat toegelaat word om in organiese gewasverbouing te gebruik, varieer van land tot land en selfs binne lande waar verskeie organisasies vir organiese produksie bestaan. Produsente en uitvoerders moet hulle daarvan vergewis van die gespesifiseerde kriteria vir organiese produksie in die land van bestemming of plaaslike jurisdiksie. Produseerders van organiesverboude gewasse wat 'n spinosad-gebaseerde produk vir behandeling van 'n gewas wat vir 'n bepaalde koper of uitvoere bestem is oorweeg, kan dit slegs met toestemming en in volle ooreenstemming van die vereistes van die bestemde koper of land gebruik. Bo en behalwe dit, moet alle fitosanitêre en regulatoriese vereistes vir landbouprodukte soos Maksimum Residu Limiete (MRL) en verwante vooroes onthoudingsperiodes vir lokale verbruik of uitvoer bestemmings nagekom word.

- Hanteer die produk versigtig.
- Mag moontlike ligte oogirritasie veroorsaak.
- Hierdie produk is matig giftig vir vis en giftig vir ander waterorganismes. Moenie oor oop waterbronne toedien nie
- Voordelige Insekte: "Matig Giftig vir Bye"

- ❖ Hierdie produk is giftig vir bye wanneer hul aan direkte bespuiting, of plante in blom waarop die spuitstof nog nie afgedroog het nie, blootgestel word.
- ❖ Moenie direk op kolonies of aktiewe bye spuit nie.
- ❖ Spuit gedurende nag op gewasse in blom of waar 'n gewas binne 500 m van die area wat bespuit moet word, in blom is.
- ❖ Laat minstens 'n periode van 3 ure tussen toediening en bye aktiwiteit toe.

Stel bure, byeboere asook plaaslike voorligters in kennis voordat in die nabyheid van gewasse in blom, toegedien word. **ENTRUST® NATURALYTE 800 WP** het slegs 'n geringe invloed op bye, nadat die spuitstof afgedroog het.

“Skadelik vir Parasiete”

“Veilig vir Predatormyte”

“Effens Skadelik vir Coccinellidae”

“Effens Skadelik vir Neuroptera”

Voordelige Insekte op Sitrus:

Chilochorus nigrinus – Effens Skadelik

Aphytis lingnanensis – Skadelik

Coccidoxenoides peregrinus – Baie Skadelik

Trichogrammatoidea cryptophlebiae – Matig Skadelik

Euseius citri – Matig Skadelik.

* Dit moet in aanmerking geneem word dat **ENTRUST® NATURALYTE 800 WP** nie 'n lang nawerking het nie en dus behoort daar nie 'n langdurige effek op die voordelige insekte onder boordtoestande te wees nie.

- Berg in 'n koel droë plek en verwyderd van voedsel en veevoer.
- Hou buite bereik van kinders, oningeligte persone en diere.

Herbetredingsperiode:

Moenie 'n **ENTRUST® NATURALYTE 800 WP** behandelde gebied betree alvorens die bespuiting droog is nie, tensy beskermende klere gedra word.

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 plaag teen die betrokke middel sowel as die metode, tyd en akkuraatheid van toediening. Verder aanvaar die registrasiehouer nie verantwoordelikheid vir skade aan gewasse, plantegroei, die omgewing of vir nadelige effek op mens of dier of vir 'n gebrek aan prestasie van die betrokke middel as gevolg van die versuim van die gebruiker om etiketaanwysings na te kom of as gevolg van die ontstaan van toestande wat nie kragtens die registrasie voorsien kon word nie. Raadpleeg die verskaffer in die geval van enige onsekerheid.

VOORSORGMAATREËLS

RISIKOVERKLARINGS:

Dra beskermende handskoene/beskermende klere/oogbeskerming/gesigskerm.

INDIEN OP VEL: Was vel met baie water.

INDIEN IN DIE Oë: Spoel oë versigtig uit met water vir verskeie minute. Verwyser kontaklense, indien gedra word en maklik om lense te verwyder. Hou aan met spoel.

Versamel verspilde produk.

Raak ontslae van houer en/of inhoud in ooreenstemming met toepaslike regulasies.

Berg altyd in die oorspronklike ge-etiketeerde houer.

Vermy inaseming van spuitnewel.

Was met water en seep in geval van toevallige kontak met vel.

Dra handskoene en 'n gesigskerm wanneer die konsentraat hanteer word en gesigskerm tydens toediening.

Vermy vel- en oogkontaminasie. In geval van toevallige oogkontak, spoel oë met lopende water vir minstens 15 minute. Verkry mediese hulp indien oogirritasie nie sou opklaar nie.

Moenie eet, drink of rook terwyl gemeng of toegedien word nie.

Tydens vermenging of toediening moet die hande en gesig altyd gewas word voordat geëet, gedrink, gerook of die toilet besoek word.

Vermy wegdrywing van spuitnewel na aangrensende gewasse, weidings, riviere, damme en areas nie onder behandeling nie.

Maak toerusting skoon voordat vir ander middels gebruik word en gooi spoelwater weg waar dit nie gewasse, weiding, riviere, damme en waterbronne sal besoedel nie.

Spoel leë houer driekeer uit as volg: Keer die leë houer om oor die spuit- of mengtenk en dreineer vir minstens 30 sekondes nadat vloei tot 'n drup verminder het. Spoel die leë houer daarna drie maal uit met 'n volume water gelykstaande aan ongeveer 10 % van die volume van die houer en voeg die spoelwater by die inhoud van die spuittenk. Vernietig die leë houer deur gate in te kap, plat te slaan en te begrawe. Moet nooit leë houers vir enige ander doel aanwend nie.

Voorkom die besoedeling van voedsel, voer, drinkwater en eetgerei tydens opberging, hantering en wegdoening

RELEVANTE STOWWE:

KOMPONENT	CAS No.	Konsentraat (% w/w)
spinosad (ISO) (reaksiemassa van spinosien A en spinosien D in verhoudings tussen 95:5 tot 50:50)	168316-95-8	>= 80 - < 90
Naftaleensulfonsuur, polimeer met formaldehyd	9084-06-4	>= 2,5 - < 3
Di-2-etielheksielnatriumsulfosuksienaat	577-11-7	>= 1 - < 3
Spinosyn B	131929-61-8	>= 1 - < 2,5
Kaolien	1332-58-7	>= 3 - < 10

EERSTEHULP:

Was hare en besmette vel areas met seep en water.
Spoel oë met baie skoon water vir minstens 10 – 15 minute.

Inaseming

Verwyder persoon na vars lug. Indien persoon nie asemhaal nie, ontbied ontbied 'n noodhulpdiens of ambulans, gee dan kunsmatige asemhaling, indien mond-tot-mond redderbeskerming (sakmasker, ens.) gebruik. Ontbied 'n gifbeheersentrum of geneesheer vir behandelingsadvies.

Velkontak

Verwyder besmette klere. Spoel vel onmiddellik met baie water vir minstens 15 – 20 minute. Ontbied 'n gifbeheersentrum of geneesheer vir behandelingsadvies.

Oogkontak

Hou oë oop en spoel stadig en sagkens met water vir omtrent 15-20 minute. Verwyder kontaklense, indien gedra word, na die eerste 5 minute. Hou aan om oë te spoel. Ontbied 'n gifbeheersentrum of geneesheer vir behandelingsadvies.
Behoorlike nood oogwasfasiliteit behoort onmiddellik beskikbaar te wees.

Inname

Geen mediese noodbehandeling is nodig nie.

SIMPTOME VAN MENSLIKE VERGIFTIGING

Matig irriterend vir vel en slymvliese. Inname van hoë konsentrasies kan fibrillêre spiertrekkings, tagikardie, hiperventilasie, vasodilasie of selfs stuiptrekkings en koma veroorsaak.

Weerstandbestuur van insekmiddels

Insekdoders word geklassifiseer op grond van hul werkswyse ("Mode of Action"). **ENTRUST® NATURALYTE 800 WP** is geklassifiseer as 'n spinosin (IRAC subgroep 5A) insekdoder.

Enige insekpopulasie mag individue met 'n natuurlike weerstand teen **ENTRUST® NATURALYTE 800 WP** of ander insekdoders binne dieselfde chemiese groep insluit. Indien **ENTRUST® NATURALYTE 800 WP**, of insekdoders van dieselfde chemiese groep, herhaaldelik oor lang periodes, of teen opeenvolgende generasies van insekte aangewend word, sal die weerstandbiedende individue uiteindelik oorheersend in die populasie voorkom. Hierdie weerstandbiedende insekte sal dan nie deur **ENTRUST® NATURALYTE 800 WP**, of enige ander insekdoders binne dieselfde chemiese groep, beheer word nie. Lokale kundiges moet oor 'n weerstandstrategie of oor aanbevelings in die verband geraadpleeg word. Dit is bekend dat weerstand van insekte en myte teen insek- en mytdoders onder andere ook kan ontstaan as gevolg van verhoogde metabolisme, verlaagde penetrasie of veranderde gedragpatrone kan ontstaan. Hierdie tipe weerstand hou nie verband met enige werkingswyse-klassifikasie nie, maar sal spesifiek wees tot 'n bepaalde middel of chemiese groep. Ten spyte van bogenoemde, bly die afwisseling van middels tussen verskillende chemiese groepe steeds 'n lewensvatbare anti-weerstandstegniek.

Om insekweerstand te vertraag

- Vermoed die eksklusiewe gebruik van insekdoders van dieselfde subgroep.
- Moenie insekdoders teen laer dosisse, as wat op die etiket voorgeskryf word, aanwend nie.
- Rig toedienings verkieslik en waar enigsins moontlik, teen die jonger larwale- of die eierstadium van 'n betrokke plaag.
- Sluit ook ander bewese landboukundige of biologiese beheerpraktyke by geïntegreerde plaagbestuursprogramme in.

Geïntegreerde Plaagbestuursprogram

ENTRUST® NATURALYTE 800 WP kan in GPB programme van verskeie gewasse aanbeveel word, veral waar die voorkoms van plaegemonitor word en toedienings eers oorweeg word wanneer die ekonomiese drumpelwaarde vir die plaeg op die betrokke gewas bereik is.

Behalwe dat **ENTRUST® NATURALYTE 800 WP** die plaeg wat as voedselbron vir voordelige insekte dien, beheer, het **ENTRUST® NATURALYTE 800 WP**, wat binne GLP aangewend word, nie 'n beduidende nadelige invloed op parasitiese en predatoriese insekte en myte soos skilpadkewers, goudogies, roofwantse, predatoriese myte, ens. nie. Alhoewel **ENTRUST® NATURALYTE 800 WP** as "giftig" vir parasiete geklassifiseer word, het veldstudies getoon dat populasies weer vinnig na bespuiting mag herstel. Die voedingsaksies van natuurlike vyande dra gewoonlik ook by tot die beheer van sekere ander skadelike insekte en verminder die kans vir uitbrake van sekondêre plaeg waarvoor addisionele toedienings van insekdoders nodig mag wees.

Indien **ENTRUST® NATURALYTE 800 WP** met ander insekdoders gemeng word, wat die selektiwiteit van **ENTRUST® NATURALYTE 800 WP** ten opsigte van die voordelige insekte benadeel, sal die voordeel van **ENTRUST® NATURALYTE 800 WP** in die GPB program nie ten volle benut kan word nie.

GEBRUIKSAANWYSINGS: **Gebruik slegs soos aangedui.**

ENTRUST® NATURALYTE 800 WP is 'n benatbare poeier wat vooraf met water vermeng moet word om deur middel van konvensionele spuitapparaat as looftoedienings op plante toegedien te word.

Menginstruksies:

ENTRUST* NATURALYTE 800 WP alleen:

Vul die spuittenk tot die helfte van die totale volume water benodig. Voeg die verlangde hoeveelheid vooraf vermengde **ENTRUST® NATURALYTE 800 WP** deur 'n sif in die spuittenk terwyl die water aanhoudend geroer word en vul die tenk dan verder aan tot die verlangde volume. Handhaaf roering gedurende bespuiting om eweredige verspreiding van die middel in die tenk te verseker. Vermoed die terugvloei van water of spuitmengsel na die waterbron.

Wanneer benattingsmiddels by spuitmengsels gevoeg word, moet 'n mengbaarheidstoets uitgevoer word.

Verenigbaarheid en Tenkmengsels:

Voordat **ENTRUST® NATURALYTE 800 WP** met ander middels in die spuittenk vermeng word, moet daar eers 'n pH en verenigbaarheidstoets, op klein skaal en in die regte verhouding, gedoen word alvorens die ander middels in die mengtenk gevoeg word.

In die geval van blaarvoedings moet 'n afsonderlike verenigbaarheidstoets vir elke produk van verskillende samestelling, in die betrokke water gedoen word.

In die geval van tenkmengsels word hewige en deurlopende roering tydens vermenging, vulling en toediening vereis. Terugvloei-pype met sywaartse uitlate op die bodem van die tenk, verskaf normaalweg die mees doeltreffendste roering. Om die vorming van skuim te beperk, moet enige aksie wat die vermenging van lug met die spuitmengsel veroorsaak, voorkom word. Optimum werking van **ENTRUST® NATURALYTE 800 WP** word by pH 6 – 9 verkry.

Mengvolgorde vir Tenkmengsels:

Vul spuittenk tot ongeveer 'n kwart van totale volume spuitwater verlang. Terwyl die inhoud van die spuittenk geroer word, voeg die verskillende formulasiesoorte in volgorde soos hieronder genoem, by die spuitwater in die tenk. Na byvoeging van elke produk, laat voldoende tyd vir volledige vermenging en verspreiding toe, voordat die volgende produk bygevoeg word. Laat addisionele meng- en dispergeringstyd vir waterdispergeerbare produkte toe.

Meng verskillende formulasie in die volgende volgorde:

1. Water dispergeerbare korrels (Na vooraf vermenging met water).
2. **ENTRUST® NATURALYTE 800 WP** en ander benatbare poeiers (Na vooraf vermenging met water).
3. Suspensie Konsentrate.

Terwyl voortdurend geroer word, vul die spuittenk tot driekwart van die totale volume verlang en voeg dan die ander formulasies soos volg by:

4. Emulgeerbare konsentrate.
5. Benattings of bevorderingsmiddels. (In die geval waar **ENTRUST® NATURALYTE 800 WP** saam met mineraal spuit-olie vermeng moet word, meng eers die verlangde hoeveelheid **ENTRUST® NATURALYTE 800 WP** en die olie, voordat dit in die spuittenk gevoeg word).
6. Blaarvoedings.

Terwyl deurlopend geroer word, vul tenk tot verlangde volume. Hou die inhoud van die tenk in roering vir die volle duur van vermenging en bespuiting. In geval van 'n spuitonderbreking terwyl die tenk nog nie leeg is nie, moet die spuitmengsel eers weer deur deeglike roering in suspensie gebring word, voordat bespuiting hervat word. 'n Terugvloei pyp met sywaartse uitlate op die bodem van die spuittenk is geskik vir die doel.

Voorafvermenging

Dispergeerbare korrel (WG) en benatbare poeier (WP) formulasies kan vooraf met water in 'n pasta vermeng word en deur 'n 20 – 30 maas sif, by die spuitwater gevoeg word. Die prosedure verleen sodoende 'n goeie aanvanklike dispergering van die formulasie soorte.

TOEDIENING

Deur gebruik te maak van behoorlike toedieningstegnieke word verseker dat deeglike bedekking verkry word en die regte dosisse van **ENTRUST® NATURALYTE 800 WP** per ha toegedien word om optimum beheer van insekplae te verseker. Vir die doeltreffende toediening van **ENTRUST® NATURALYTE 800 WP** en goeie bedekking van die gewas, moet die volgende faktore in aanmerking geneem word: Grondspoed en kalibrasie, windspoed, plantgrootte en digtheid van die blaredek.

Toediening op Rygewase:

Gebruik konvensionele grondspuittoerusting wat gekalibreer is om deeglike bedekking van die teikengewas te verseker. Stel die spuitbalk en spuitkoppe so op dat univormige bedekking van die teikengewas verseker word. Om behoorlike bedekking van sekere gewasse te verseker, mag valarms nodig wees. Maak gebruik van holkeël spuitkoppe, wat geskik is vir insekdoderbespuiting of lugondersteunde spuitblake. Volg die instruksies van spuitpompvervaardigers in die verband.

Toediening op Vrugtebome:

Gebruik konvensionele boordspuit toerusting wat op korrekte wyse gekalibreer is om deeglike bedekking van die teikengewas en korrekte dosis per ha te verseker.

Sagtevrugtebome: **ENTRUST® NATURALYTE 800 WP** moet teen hoëvolume (HV) op sagtevrugtebome toegedien word. Die dosis per ha moet verkieslik volgens die formule vir HVB bereken word deur van “*Unrath se formule*” vir “*Boomry Volume*” (BRV) gebruik te maak.

$$BRV = \frac{\text{Boomhoogte (BH)} \times \text{Boomwydte (BW)} \times 937}{\text{Afstand tussen Rye (RW)}} = \text{HVB in liters per ha}$$

*(Boomhoogte en Boomwydte moet gedurende die somer, wanneer bome in volblad is, bepaal word.)

Voorgestelde toedieningsvolumes (TV) by verskillende groeistadiums en die formule vir die berekening van dosis per ha, gebaseer op Hoëvolume Behoeftes (HVB)

Groeistadium	Toedieningsvolume
Bot tot Volblom	60 % x HVB
75 % Blomblaarval tot Een Maand Later (Midseisoen)	80 % x HVB
Midseisoen tot Na-oes, Voor Blaarval	100 % x HVB

$$\text{Dosis per ha} = \frac{\text{HVB (l/ha)} \times \text{Dosis} / 100 \text{ l}}{100}$$

Toediening vir Tafeldruiwe:

ENTRUST® NATURALYTE 800 WP moet in hoë volume op tafeldruiwe toegedien word. Die hoeveelheid **ENTRUST® NATURALYTE 800 WP** per ha moet verkieslik volgens die hoë volume behoefte, vir 'n bepaalde groeistadium, bepaal word. Die volgende kan as riglyne dien:

Groeistadium	Voorgestelde Volume spuitstof per ha vir Hoëvolume Toediening
2,5 cm tot 25 cm Lootlengte	500 – 750 l
25 cm Lootlengte tot Net-voor-blom	750 – 1000 l
Blom tot Ertjekorrel Stadium	1000 – 1200 l
Ertjekorrel Stadium tot Oes	1200 – 1500 l

Waarskuwing: Waar gewasse onder skadunet verbou word, mag die afbraak van spinosad langer vat. Sodoende sal die onthoudingsperiode dienooreenkomstig verleng word.

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>AARTAPPELS Aartappelmot larf (<i>Phthorimaea operculella</i>)</p> <p>Aartappelblaarmyner (<i>Liriomyza huidobrensis</i>)</p> <p>Amerikaanse (Afrika) bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Tuta blaarmyner (<i>Tuta absoluta</i>)</p>	<p>18 g (90 - 180 g/ha)</p> <p>+</p> <p>150 – 200 ml ligte of medium smal bestek minerale olie OF ‘n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Aartappels.</p>	<p>Dien toe in 'n spuitprogram as 'n volle dekbepuiting teen 500 - 1000 l/ha spuitmengsel elke 7 – 10 dae.</p> <p>Begin toedien wanneer plaë vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-weerstandsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaë te verseker.</p> <p>Die volume spuitmengsel per ha word bepaal deur die plantgrootte en digtheid van die blaredek. Begin met 'n minimum van 500 l/ha spuitmengsel op jong plante en verhoog die volume tot 'n maksimum van 1000 l/ha namate die planthoogte en digtheid van die blaredek toeneem.</p> <p>Gebruik die korter interval van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestande die plaag bevorder, bv. gedurende somermaande of waar natuurlike vyande totaal afwesig is.</p> <p>Vir die doeleindes van 'n weerstandstrategie, moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) bespuitings per aanplanting aanwend nie.</p> <p>Aartappelblaarmyner - <i>Liriomyza huidobrensis</i> Gebruik SANAMECTIN 18 EC (Reg no. L5928) om met ENTRUST® NATURALYTE 800 WP af te wissel in 'n anti-weerstandsprogram.</p> <p>Erd rye minstens tweekeer per groeiseisoen op (aartappelmot).</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>APPELS Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Blaaspootjies (Verskeie spesies insluitend "Western Flower Thrip" - WFT - <i>Frankliniella occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry.</p> <p>Nota: ENTRUST® NATURALYTE 800 WP as enkel of korrektiewe bespuiting teen bolwurms, is meer effektief teen jonger larwes.</p> <p>Vroeë blaaspootjieskade word normaalweg gedurende vroeë blom tot kort na-blom, veroorsaak. Warm weerstoestande bevoordeel blaaspootjie-aktiwiteit. Voorgeskrewe verkenningmetodes moet gevolg word om die aanwesigheid en omvang van die plaag te bepaal veral gedurende die gevoelige periode.</p> <p>Dien ENTRUST® NATURALYTE 800 WP gedurende blom as 'n hoë volume volle dekbespuiting toe wanneer die plaaggetalle die drempelwaarde bereik of oorskry. Om voldoende beskerming teen blaaspootjies te verseker, mag 'n opvolgbespuiting binne 7 – 10 dae nodig wees, afhangend van die duur van die blomperiode en die aanwesigheid van blaaspootjies.</p> <p>Weerstandbestuur: Vir die doeleindes van 'n weerstandstrategie moenie ENTRUST® NATURALYTE 800 WP in meer as twee agtereenvolgende bespuitings teen blaaspootjies en in totaal, meer as vier (4) spinosad toedienings per seisoen op appels toedien nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>BLOUBESSIES Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Blaaspootjies (Verskeie spesies insluitend “Western Flower Thrip” – WFT – <i>Frankliniella</i> <i>occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry.</p> <p>Nota: ENTRUST® NATURALYTE 800 WP as enkel of korrektiewe bespuiting teen bolwurms, is meer effektief teen jonger larwes.</p> <p>Vroeë blaaspootjieskade word normaalweg gedurende vroeë blom tot kort na blom terwyl laat skade na-oes op die nuwe groei veroorsaak word. Warm weerstoestande bevoordeel blaaspootjie-aktiwiteit. Voorgeskrewe verkenningmetodes moet gevolg word om die aanwesigheid en omvang van die plaag te bepaal veral gedurende die gevoelige periodes.</p> <p>Dien ENTRUST® NATURALYTE 800 WP gedurende blom sowel as na-oes wanneer nuwe groei aangeval word, toe. Dien as 'n hoë volume dekbespuiting toe wanneer die plaaggetalle voorgestelde drempelwaardes bereik of oorskry. Afhangend van die duur van die blomperiode en die aanwesigheid van blaaspootjies mag 'n opvolgbespuiting binne 7 – 10 dae nodig wees, om so voldoende beskerming teen blaaspootjies te verseker.</p> <p>Weerstandbestuur: Vir die doeleindes van 'n weerstandstrategie moenie ENTRUST® NATURALYTE 800 WP in meer as twee opeenvolgende bespuitings teen Blaaspootjies aanwend nie en in totaal, meer as drie (3) spinosad toedienings per seisoen op bloubessies toedien nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>ERTJIES (Slegs ertjies wat uitgedop word.) Aartappelblaarmyner (<i>Liriomyza huidobrensis</i>)</p>	<p>18 g (90 - 180 g/ha) + 150 – 200 ml ligte of medium smal bestek minerale olie OF 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Ertjies.</p> <p>Moenie olie gebruik as temperature hoër as 28 °C verwag word nie.</p>	<p>Dien in 'n spuitprogram as 'n volle dekbespuiting teen 500 – 1000 l/ha spuitmengsel elke 7 – 10 dae.</p> <p>Begin toedien wanneer plaag vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-weerstandsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaag te verseker.</p> <p>Die volume spuitmengsel per ha word bepaal deur die plantgrootte en digtheid van die blaredek. Begin met 'n minimum van 500 l/ha spuitmengsel op jong plante en verhoog die volume tot 'n maksimum van 1000 l/ha namate die planthoogte en digtheid van die blaredek toeneem.</p> <p>Gebruik die korter spuitinterval van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestande die plaag bevorder, bv. Gedurende somermaande of waar natuurlike vyande totaal afwesig is.</p> <p>Vir die doeleindes van 'n weerstandstrategie, moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) bespuitings per aanplanting aanwend nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>FRAMBOOS Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Blaaspootjies (Verskeie spesies insluitend “Western Flower Thrip” – WFT – <i>Frankliniella</i> <i>occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Dien ENTRUST® NATURALYTE 800 WP as ‘n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry.</p> <p>Nota: ENTRUST® NATURALYTE 800 WP as enkel of korrektiewe bespuiting teen bolwurms, is meer effektief teen jonger larwes.</p> <p>Vroeë blaaspootjieskade word normaalweg gedurende vroeë blom tot kort na blom veroorsaak. Warm weerstoestande bevoordeel blaaspootjie-aktiwiteit. Voorgeskrewe verkenningmetodes moet gevolg word om die aanwesigheid en omvang van die plaag te bepaal veral gedurende die gevoelige periodes.</p> <p>Dien ENTRUST® NATURALYTE 800 WP gedurende blom as ‘n hoë volume dekbespuiting toe wanneer die plaaggetalle voorgestelde drempelwaardes bereik of oorskry. Afhangend van die duur van die blomperiode en die aanwesigheid van blaaspootjies mag ‘n opvolgbespuiting binne 7 – 10 dae nodig wees, om so voldoende beskerming teen blaaspootjies te verseker.</p> <p>Weerstandbestuur: Vir die doeleindes van ‘n weerstandstrategie moenie ENTRUST® NATURALYTE 800 WP in meer as twee opeenvolgende bespuitings teen Blaaspootjies aanwend nie en in totaal, meer as drie (3) maal per seisoen op Frambose toedien nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
GRASPERKE Grasperkruspe	1,2 g/10 l water (10 l spuitmengsel/ 20 m ²)	Dien 10 l spuitmengsel per 20 m ² grasoppervlakte as 'n grond deurdrenking toe met 'n gieter met 'n fyn roos kop sodra die grasperkruspes opgemerk word. Herhaal die toediening sodra 'n nuwe generasie verskyn.
GRASUIE (CHIVES) <i>Blaaspootjie</i> (<i>Thrips tabaci</i>)	9 g (45 – 90 g/ha) + 150 – 200 ml ligte of medium smal bestek minerale olie OF 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Grasuie. Moenie olie gebruik as temperature hoër as 28 °C verwag word nie.	Dien toe in 'n spuitprogram as 'n volle dekbespuiting teen 500 – 1000 l/ha toe, verseker dat plante deeglik benat word. Herhaal toedienings elke 7 – 10 dae. Begin toedien wanneer plaag vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-weerstandsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaag te verseker. Gebruik die korter tussenpose van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestande die plaag bevorder, bv. gedurende somermaande. Nieteenstaande beheermaatreëls mag blaaspootjieskade voorkom. Vir die doeleindes van 'n weerstandstrategie , moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) spinosad bespuitings per aanplanting aanwend nie.

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>KOPKOOL Ruitrugmot larwes (<i>Plutella xylostella</i>)</p> <p>Tuta blaarmyner (<i>Tuta absoluta</i>)</p>	<p>18 g (90 - 180 g/ha)</p> <p>+</p> <p>150 – 200 ml ligte of medium smal bestek minerale olie OF 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Kopkool.</p> <p>Moenie olie gebruik as temperature hoër as 28 °C verwag word nie.</p>	<p>Dien toe in 'n spuitprogram as 'n volle dekbepuiting teen ten minste 500 l/ha spuitmengsel elke 7 – 10 dae.</p> <p>Begin toedien wanneer plaag vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-weerstandsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaag te verseker. Gebruik die korter tussenpose van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestande die plaag bevorder, bv. gedurende somermaande.</p> <p>Vir die doeleindes van 'n weerstandstrategie, moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) bespuitings per aanplanting aanwend nie.</p>

GEWAS/PLAAG	DOSIS / 100 l WATER	OPMERKINGS
PAMPOENGWASSE Blaaspootjie (<i>Thripidae</i> spp.)	9 g (45 – 90 g/ha) + 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Pampoengewasse.	Dien toe in 'n spuitprogram as 'n volle dekbepuiting teen ten minste 500 l/ha tot 1000 l/ha spuitmengsel elke 7 – 10 dae. Begin toedien wanneer plaeg vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-weerstandsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaeg te verseker. Gebruik die korter tussenpose van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestand die plaeg bevorder, bv. gedurende somermaande.
Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)	12 g (60 – 120 g/ha) + 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Pampoengewasse.	Vir die doeleindes van 'n weerstandstrategie , moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaeg. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) spinosad bespuitings per aanplanting aanwend nie.
Amerikaanse Bladmyner spp. (<i>Liriomyza trifolii</i>) Tuta blaarmyner (<i>Tuta absoluta</i>)	18 g (90 – 180 g/ha) + 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Pampoengewasse.	

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>PERSKES ingesluit NEKTARIENS Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)</p>	<p>12 g</p>	<p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry. Nota: ENTRUST® NATURALYTE 800 WP as enkel of korrektiewe bespuiting teen bolwurm, is meer effektief teen jonger larwes.</p>
<p>SLEGS NEKTARIENS Blaaspootjies (Verskeie spesies, insluitend "Western Flower Thrip" - WFT - <i>Frankliniella occidentalis</i>)</p> <p>Vroeë skade</p> <p>Versilwering</p>	<p>9 g</p> <p>9 g</p>	<p>Vroeë blaaspootjieskade word normaalweg gedurende vroeë blom tot kort na blom, veroorsaak. Skade wat deur "WFT" veroorsaak word, kan so laat as, kort voor oes, voorkom. (Sien "versilwering"). Warm weerstoestande bevoordeel blaaspootjie-aktiwiteit. Voorgeskrewe verkenningmetodes moet gevolg word om die aanwesigheid en omvang van die plaag te bepaal.</p> <p>Dien ENTRUST® NATURALYTE 800 WP gedurende blom as 'n hoë volume dekbespuiting toe wanneer die plaaggetalle die drempelwaarde bereik of oorskry. Om voldoende beskerming teen blaaspootjies te verseker, mag 'n opvolgbespuiting binne 7 – 10 dae nodig wees, afhangend van die duur van die blomperiode en die aanwesigheid van blaaspootjies.</p> <p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer die eerste blaaspootjie-aktiwiteit, wat versilwering tot gevolg mag hê, opgemerk word. Moenie nader as 7 dae aan oes toedien nie.</p> <p>Weerstandbestuur: Vir die doeleindes van 'n weerstandstrategie, moenie ENTRUST® NATURALYTE 800 WP in meer as twee opeenvolgende bespuitings teen blaaspootjies en in totaal, meer as vier maal per seisoen, op Nektariens toedien nie. (Let op voorgestelde onthoudingsperiodes.)</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
SIERPLANTE EN ROSE "Western Flower Thrip" (<i>Frankliniella occidentalis</i>)	3 g / 10 l water	<p><u>Korrektiewe bespuiting:</u> Verwyder alle oop blomme voor bespuiting as blaaspootjies teenwoordig is op Rose. Nie nodig op ander plante nie, maar dit kan effektiwiteit verbeter. Dien as 'n volle dekbespuiting toe oor die blare, oop blomme en blomknoppe.</p> <p><u>Voorkomende bespuiting:</u> Dien as 'n volle dekbespuiting weekliks toe voordat blomknoppe oopgaan. 'n Minimum van drie bespuitings elke 7 dae behoort effektiewe beheer te gee.</p> <p><u>Weerstandstrategie:</u> Vir die doeleindes van 'n weerstandstrategie, moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) bespuitings per aanplanting/seisoen aanwend nie.</p>
PERE Amerikaanse (Afrika) bolwurm (<i>Helicoverpa armigera</i>)	12 g	<p>Dien ENTRUST* NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry.</p> <p><u>Nota:</u> ENTRUST® NATURALYTE 800 WP as enkel- of korrektiewe bespuiting teen bolwurm, is meer effektief teen jonger larwes.</p> <p><u>Weerstandbestuur:</u> Vir die doeleindes van 'n weerstandstrategie moenie ENTRUST® NATURALYTE 800 WP in totaal, meer as vier maal per seisoen op Pere toedien nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>PREIE Blaaspootjies (<i>Thrips tabaci</i>)</p>	<p>9 g (45 – 90 g/ha)</p> <p>+</p> <p>150 – 200 ml ligte of medium smal bestek minerale olie OF 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Preie.</p> <p>Moenie olie gebruik as temperature hoër as 28 °C verwag word nie.</p>	<p>Dien toe in 'n spuitprogram as 'n volle dekbepuiting teen 500 – 1000 l/ha toe, verseker dat plante deeglik benat word. Herhaal toedienings elke 7 – 10 dae.</p> <p>Begin toedien wanneer plaag vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-weerstandsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaag te verseker. Gebruik die korter tussenpose van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestande die plaag bevorder, bv. gedurende somermaande.</p> <p>Nieteenstaande beheermaatreëls mag blaaspootjieskade voorkom.</p> <p>Vir die doeleindes van 'n weerstandstrategie, moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) bespuitings per aanplanting aanwend nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>PRUIME Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Blaaspootjies (Verskeie spesies, insluitend "Western Flower Thrip" - WFT - <i>Frankliniella occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry.</p> <p>Nota: ENTRUST® NATURALYTE 800 WP as enkel of korrektiewe bespuiting teen bolwurm, is meer effektief teen jonger larwes.</p> <p>Vroeë blaaspootjieskade word normaalweg gedurende, vroeë blom tot kort na blom, veroorsaak. Warm weerstoestande bevoordeel blaaspootjie-aktiwiteit. Voorgeskrewe verkenningmetodes moet gevolg word om die aanwesigheid en omvang van die plaag te bepaal.</p> <p>Dien ENTRUST® NATURALYTE 800 WP gedurende blom as 'n hoë volume dekbespuiting toe wanneer die plaaggetalle die drempelwaarde bereik of oorskry. Om voldoende beskerming teen blaaspootjies te verseker, mag 'n opvolgbespuiting binne 7 – 10 dae nodig wees, afhangend van die duur van die blomperiode en die aanwesigheid van blaaspootjies.</p> <p>Weerstandbestuur: Vir die doeleindes van 'n weerstandstrategie moenie ENTRUST® NATURALYTE 800 WP in meer as twee opeenvolgende bespuitings teen blaaspootjies en in totaal, meer as vier maal per seisoen, op pruime toedien nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>SITRUS Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Sitrus blaaspootjie (<i>Scirtothrips aurantii</i>)</p>	<p>12 g</p> <p>9 g + 300 ml (van 'n geregistreerde ligte of medium smal bestek minerale olie)</p> <p>Moenie olie gebruik as temperature hoër as 28 °C verwag word nie.</p>	<p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry.</p> <p>Nota: ENTRUST® NATURALYTE 800 W Pas enkel of korrektiewe bespuiting teen bolwurm, is meer effektief teen jonger larwes.</p> <p>Begin toedien na 90 % blomblaarval sodra blaaspootjie waargeneem word. Herhaal toediening indien nodig. Dien toe as 'n ligte dekbespuiting tot voor afloop. Moenie ENTRUST® NATURALYTE 800 WP in meer as twee opeenvolgende bespuitings en in totaal meer as vier keer per seisoen toedien nie. Vir die doeleindes van 'n weerstandstrategie wissel af met 'n nie-verwante blaaspootjiemiddel.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>TAFELDRUIWE Amerikaanse (Afrika) Bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Blaaspootjies (Verskeie spesies insluitend "Western Flower Thrip" <i>Frankliniella occidentalis</i>)</p>	<p>12 g</p> <p>9 g</p>	<p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer erkende verkenningmetodes aantoon dat die plaaggetalle die voorgeskrewe drempelwaarde bereik of oorskry.</p> <p>Nota: ENTRUST® NATURALYTE 800 WP as enkel of korrektiewe bespuiting teen bolwurm, is meer effektief teen jonger larwes.</p> <p>Blaaspootjies en gepaardgaande skade by tafeldruiwe kom normaalweg gedurende die blomperiode tot kort daarna voor. Volg die voorgeskrewe verkenningmetodes om die aanwesigheid en omvang van die plaag te bepaal, veral tydens die vatbare stadium.</p> <p>Dien ENTRUST® NATURALYTE 800 WP as 'n hoë volume dekbespuiting toe wanneer die aanwesigheid en omvang van die plaag die drempelwaarde bereik of oorskry. Om voldoende beskerming teen blaaspootjies te verseker, mag 'n opvolgbespuiting binne 5 – 7 dae nodig wees, afhangende van die duur van die blomperiode en die aanwesigheid van blaaspootjies.</p> <p>Weerstandstrategie: Moenie ENTRUST® NATURALYTE 800 WP in meer as twee (2) opeenvolgende bespuitings teen blaaspootjies en in totaal meer as vier (4) spinosad toedienings per seisoen op tafeldruiwe toedien nie. Let op onthoudingsperiode.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>TAMATIES Amerikaanse blaarmyner (<i>Liriomyza trifolii</i>)</p> <p>Amerikaanse (Afrika) bolwurm (<i>Helicoverpa armigera</i>)</p> <p>Tamatie Vals- landmeter (<i>Chrysodeixis acuta</i>)</p> <p>Tuta blaarmyner (<i>Tuta absoluta</i>)</p>	<p>18 g (90 - 180 g/ha) +</p> <p>150 – 200 ml ligte of medium smal bestek minerale olie OF 'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Tamaties</p> <p>Moenie olie gebruik as temperature hoër as 28 °C verwag word nie.</p>	<p>Dien in 'n spuitprogram as 'n volle dekbespuiting teen 500 tot 1000 l/ha spuitmengsel elke 7 – 10 dae toe.</p> <p>Begin toedien wanneer plaë vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-bestandsheidsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaë te verseker.</p> <p>Die volume spuitmengsel per ha word bepaal deur die plantgrootte en digtheid van die blaredek. Begin met 'n minimum van 500 l/ha spuitmengsel op jong plante en verhoog die volume tot 'n maksimum van 1000 l/ha namate die planthoogte en digtheid van die blaredek toeneem.</p> <p>Gebruik die korter interval van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestande die plaag bevorder, bv. Gedurende somermaande of waar natuurlike vyande totaal afwesig is.</p> <p>Vir doeleindes van 'n weerstandstrategie, moet ENTRUST® NATURALYTE 800 WP nie in meer as drie (3) opeenvolgende bespuitings binne enige periode van 28 dae, toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) bespuitings per aanplanting aanwend nie.</p>

GEWAS/PLAAG	DOSIS/100 l WATER	OPMERKINGS
<p>UIE Blaaspootjies (<i>Thrips tabaci</i>)</p>	<p>9 g (45 – 90 g/ha)</p> <p>+</p> <p>150 – 200 ml ligte of medium smal bestek minerale olie (bv. Soos vir gebruik by sitrus geregistreer is)</p> <p>OF</p> <p>'n geregistreerde benattingsmiddel teen die geregistreerde dosis vir gebruik op Uie.</p>	<p>Dien toe in 'n spuitprogram as 'n volle dekbepuiting teen 500 – 1000 l/ha toe, verseker dat plante deeglik benat word. Herhaal toedienings elke 7 – 10 dae.</p> <p>Begin toedien wanneer plaag vir die eerste maal opgemerk word of as opvolgbespuitings in 'n spuitprogram na nie-verwante insekdoders soos in anti-weerstandsprogramme vereis word. Dien 'n minimum van twee opeenvolgende bespuitings met ENTRUST® NATURALYTE 800 WP toe om doeltreffende beheer van plaag te verseker. Gebruik die korter tussenpose van 7 dae waar die populasiedruk hoog is of wanneer omgewingstoestande die plaag bevorder, bv. gedurende somermaande.</p> <p>Nieteenstaande beheermaatreëls mag blaaspootjieskade voorkom.</p> <p>Vir die doeleindes van 'n weerstandstrategie, moet ENTRUST® NATURALYTE 800 WP in nie meer as drie (3) opeenvolgende bespuitings, binne enige periode van 28 dae toegedien word nie. Wissel ENTRUST® NATURALYTE 800 WP in die spuitprogram af met nie-verwante insekdoders vir minstens die duur van een generasie van die plaag. Moenie ENTRUST® NATURALYTE 800 WP in meer as 'n totaal van ses (6) bespuitings per aanplanting aanwend nie.</p>

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