Insecticide



SESSION 300 WDG

Reg. No. L 9010 Act No. 36 of 1947

6: 17/1/2023 - Feb2023

A water dispersible granule insecticide with contact and stomach action for the control of pests mentioned on the crops listed.

ACTIVE INGREDIENT

indoxacarb (oxadiazine)

300 g/kg

GROUP 22A INSECTICIDE



DANGER

Hazard Statements:

Harmful if swallowed.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes damage to organs (blood, nervous system, heart)
through prolonged or repeated exposure.

Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release into the environment. Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

Website: www.villacrop.co.za



Registration holder: UNIVERSAL CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1983/008184/07
P.O. Box 801, Kempton Park, 1620
Tel. (011) 396 2233

24 HR EMERGENCY NUMBERS: Griffon Poison Centre: +27 82 446 8946 24 HR Transport / Spill Emergency no: (Hazcall24) +27 86 044 4411 (Client: Villa Crop Protection)

SESSION 300 WDG

Reg. No. L 9010 Act No. 36 of 1947 IRAC INSECTICIDE GROUP CODE: 22A

ACTIVE INGREDIENT:

Registration holder:

UNIVERSAL CROP PROTECTION (PTY) LTD.

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PO Box 801,

KEMPTON PARK, 1620, Tel. (011) 396 2233

WARNINGS

Withholding periods:

Minimum time between the last application and harvest or feeding:	
Apples and Pears	28 days
Potatoes	0 days
Cruciferae	3 days
Grapes (Wine)	28 days
Grapes (Table)	14 Days
Nectarines, Peaches & Plums	28 days
Tomatoes	1 day
Tobacco	42 days

IMPORTANT NOTES ON MRL'S:

IN THE CASE OF CROPS INTENDED FOR EXPORT, CONFIRM WITHHOLDING PERIODS WITH THE RELEVANT EXPORT ORGANISATION. IF THIS PRODUCT IS USED ACCORDING TO THE RECOMMENDATIONS ON THIS LABEL, LOCAL MRL VALUES WILL NOT BE EXCEEDED. HOWEVER, UNIVERSAL CROP PROTECTION (PTY) LTD. CANNOT ACCEPT RESPONSIBILITY FOR EXPORTED FRUIT EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

Hazard statements:

Harmful if swallowed.
Causes mild skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes damage to organs (blood, nervous system, heart) through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.

- Do not use treated crops for fodder and/or grazing purposes.
- Handle with care.
- Store in a cool, dry place away from food, feeds, fertilizers and other agricultural remedies.
- Keep out of reach of children, animals and uninformed persons.
- Re-entry: Do not enter treated area until spray deposit has dried unless wearing protective clothing.

Aerial application:

Notify all inhabitants of the immediate area to be sprayed and issue the necessary warnings. Do not spray over or allow drift to contaminate water of adjacent areas.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the pest to the remedy concerned, as well as by the method, time and accuracy of application. The registration holder further does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned, due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

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PRECAUTIONS

Precautionary statements:

Do not breathe dust, mists or spray.

Wash hands thoroughly after handling. Do not touch eyes.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release into the environment.

Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.

IF SWALLOWED: Get medical help.

IF ON SKIN: Wash with plenty of water and non-abrasive soap.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help.

Get medical help if you feel unwell.

Rinse mouth.

If skin irritation or rash occurs: Get medical help.

Collect spillage.

Dispose of content/container to suitable landfill in accordance with local regulations.

- Avoid eye and skin contact.
- · Wash contaminated clothing after use.
- Prevent drift onto other crops, grazing, rivers, dams or any other area not under treatment.
- Clean the applicator thoroughly after use and dispose of the wash water where it will not contaminate food, grazing, rivers or dams.
- TRIPLE RINSE EMPTY PLASTIC BAG AS FOLLOWS Turn the bag inside out, hold the bag over the spray or mixing tank and rinse the bag with running water for thirty seconds. Shake the rinsate off into the tank. Repeat the rinsing twice. Cut the bag into pieces and dispose of via an approved collector or recycler (www.croplife.co.za). Do not bury, burn of donate the bag to any other parties that may use it as container for foodstuffs.
- TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS: Invert the empty container over the spray or
 mixing tank and drain. Thereafter rinse the empty container three (3) times in succession with one
 quarter of the container volume fresh water and decant the rinsate into the spray or mixing tank.
 Puncture the triple rinsed container and dispose of via an approved collector or recycler
 (www.croplife.co.za). Do not bury, burn or donate the container to any other parties that may use it as a
 container for food or beverages.
- Prevent contamination of food, feeds, drinking water and eating utensils.

Relevant hazardous components		
Indoxacarb	30 %	
Sodium dodecyl sulphonate	<5 %	

FIRST AID MEASURES

- **General advice:** Remove the victim from the area of exposure. Wash off remaining material with plenty of water. In the event of any complaints or symptoms, avoid further exposure. Get medical help if you feel unwell.
- <u>Inhalation:</u> Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
- <u>Skin:</u> Remove contaminated clothing and shoes. Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. **Obtain medical attention if irritation or rash occurs.**
- <u>Eyes:</u> Flush eyes with clean water for at least 15 to 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after five (5) minutes and continue rinsing. **Seek medical attention.**
- Advice to physician: Treat symptomatically and supportively. No specific antidote known.

RESISTANCE WARNING

SESSION 300 WDG is a group code 22A insecticide. Any insect population may contain individuals naturally resistant to **SESSION 300 WDG** and other group code 22A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **SESSION 300 WDG** or any other group code 22A insecticide.

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To delay insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate or tank
 mix with products from different insecticide group codes,
- integrate other control methods (chemical, cultural, biological) into insect control programmes.

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

MODEOF ACTION

Indoxacarb is a non-systemic insecticide active by both contact and ingestion. It is involved in the blockage of sodium channels, causing nervous system depression and paralysis.

DIRECTIONS FOR USE: Use only as directed.

General information:

- **SESSION 300 WDG** acts by means of contact action (absorption through insect's cuticle) or stomach action due to ingestion. Although death of the pest may take 1 to 2 days to occur, feeding is inhibited within 2 to 8 hours after application.
- SESSION 300 WDG can be used against all larval instar (development) stages.
- SESSION 300 WDG do not control adult moths or butterflies.
- **SESSION 300 WDG** has no adverse effects on most advantageous predatory insects and/or predatory mite species.
- Climatic conditions: SESSION 300 WDG is effective under hot climatic conditions.
- Bees: If SESSION 300 WDG is applied according to the dosage rates as instructed on this label, no serious adverse effects are expected in Honeybees. However, do not apply SESSION 300 WDG directly onto foraging Bees. The spray deposit should be allowed to dry before Bees are taken to the sprayed area.

Compatibility:

- SESSION 300 WDG is compatible with the surfactant Villa 51.
- The compatibility of SESSION 300 WDG with other products may be influenced by several factors. As
 changing factors may vary, a physical compatibility test must always be performed before such a tank
 mixture is sprayed.
- When SESSION 300 WDG is used in conjunction with any other agricultural remedy, adhere to all WARNINGS, PRECAUTIONS and DIRECTIONS FOR USE mentioned on the relevant labels.

Mixing instructions:

- Half fill the spray tank with water and add the required amount of SESSION 300 WDG to the water, while agitating.
- Maintain agitation during mixing and application.
- The prepared spray mixture must not be left in the spray tank for any length of time, e.g., overnight.

General application directions:

At all times, use suitable, correctly calibrated equipment, in good working order, to ensure thorough wetting of all parts of the plant.

Aerial application:

Aerial application of **SESSION 300 WDG** may only be done by a registered aerial application operator using a correctly calibrated, registered aircraft according to the instructions of SANS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- <u>Volume</u>: A spray mixture volume of 30 to 35 litres per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 35 to 45 droplets per cm² must be recovered at the target area.
- <u>Droplet size</u>: A droplet spectrum with a VMD of 250 to 280 micron is recommended. Limit the production of fine droplets less than 150 micron (high drift and evaporation potential) to a minimum.
- <u>Flying height</u>: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking.

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- Use suitable <u>atomizing equipment</u> that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomizers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in <u>temperature</u> between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.
- Stop spraying if the wind speed exceeds 15 km per hour.
- Stop spraying under <u>turbulent</u>, unstable and dry conditions during the heat of the day.
- Spraying under temperature <u>inversion conditions</u> (spraying in or above the inversion layer) and/or <u>high</u> humidity conditions (relative humidity 80 % and above) may lead to the following:
 - a) reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage).
 - b) damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the aerial spray operator knows exactly which fields to spray.

Obtain an assurance from the aerial spray operator that the above requirements will be met, and that relevant data will be compiled in a logbook and kept for future reference.

Tuber moth control in potatoes:

- Apply a maximum of five (5) SESSION 300 WDG treatments per season. Apply as a "Block spray programme" (i.e., apply a registered product with a different mode of action after 2 to 3 consecutive SESSION 300 WDG applications).
- Ridge at least two (2) times during the season.
- Insufficient control of Tuber moth larvae will be obtained when **SESSION 300 WDG** is applied late in the season, when the crop's foliage is dying.
- African bollworm (Helicoverpa armigera) will also be controlled by SESSION 300 WDG.

APPLICATION RATES

IMPORTANT

Refer to "General information" above, especially with regard to Honeybees.

Crop / Pest	Dosage rate	Remarks
Apples and Pears Larvae of Codling moth (Cydia pomonella)	25 g / 100 ℓ water	Apply as a full cover spray against the first generation of the pest. Ensure thorough coverage of the target area. Start with treatment at 75 % petal fall at the beginning of the first moth generation. Apply as part of a control programme at intervals that does not exceed 2-week intervals. DO NOT exceed four (4) treatments per season. In order to minimise the risk of development of resistance, apply products with a different mode of action (thus not IRAC Group code 22A) against the other two (2) Codling moth generations.
Banded Fruit Weevil (Snout beetle) (<i>Phlyctinus callosus</i>)	J	Apply as a full cover spray and ensure thorough coverage through the entire tree. Start with treatment at 75 % petal fall onwards, or when the pest is observed in cardboard traps, or when feeding damage becomes visible on lower shoots. A second treatment may be required after 2 to 3 weeks if infestation pressure persists. DO NOT apply more than two (2) SESSION 300 WDG treatments per season against this pest. If a third application is deemed necessary, use a registered insecticide with a different mode of action (thus not IRAC Group code 22A).

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Crop / Pest	Dosage rate	Remarks
Cruciferae Larvae of Diamond- back moth (Plutella xylostella) Larvae of Cabbage web worm (Hellula undalis) African bollworm (Helicoverpa armigera) Larvae of Cabbage white butterfly (Pieris brassicae)	Ground application: 125 to 150 g/ha PLUS Villa 51 18 mℓ /100 ℓ water House garden / small scale application: 2.5 to 3.0 g / 10 ℓ water	Apply the higher dosage rate where corrective treatments have to be applied. Apply the lower dosage rate in follow-up applications as part of a spray programme. Apply in 300 to 600 litres water per hectare (300 to 600 m/ per 10 m²). Use hollow or full cone nozzles, to ensure complete coverage of the head where feeding takes place. It is important to add Villa 51 to obtain improved coverage on the target area. • Diamond-back moth & Web worm: Start with application soon after transplant just before, or when first eggs are deposited, or the first larvae are observed. These 2 pests cause serious damage during the early crop stages. Where re-infestation occurs continually, apply in a 7 to 10-day programme. Use the shorter interval in the early growing season while the crop is growing actively. Do not apply SESSION 300 WDG more than 5 times per season. • African bollworm & Cabbage white butterfly: Apply, when necessary, as corrective application. Although alternation of SESSION 300 WDG with products with other modes of action is recommended, a "block application" of 2 to 3 consecutive SESSION 300 WDG applications must be applied before other products are used.
		DO NOT apply SESSION 300 WDG more than five (5) times per season.
Grapes (Wine grapes ONLY) Banded Fruit Weevil / Snoutbeetle Phlyctinus callosus	20 g / 100 <i>ℓ</i> water	Apply as a full cover spray at 1000 to 1500 litres spray mixture per hectare, ensuring complete coverage. Start with treatments from 25 cm shoot length onwards, or when the pest is first observed in cardboard traps, or first feeding damage is visible on lower shoots. The first occurrence of the pest varies between areas but can normally be expected from mid-October to mid-November. A second application may be necessary 14 days later if infestation persists. Do not apply later than full bloom. Do not exceed two (2) SESSION 300 WDG treatments per season against this pest. If a third treatment is required, use a registered insecticide from another mode of action group.
Table grapes Trimen's False Tiger Moth Agoma trimenii	20 g / 100 <i>ℓ</i> water	Apply as a full cover preventative spray when larvae are present (usually in December). Apply in 500 to 750 litres water per hectare. Ensure thorough coverage of the foliage. The treatment can be repeated 10 days later if necessary.
Wine and Table grapes Leafhoppers Acia & Mgenia spp.	20 g / 100 <i>ℓ</i> water	Apply as a full cover spray ensuring complete coverage. Apply 1000 to 1500 litres spray mixture per hectare. Scout for Leafhoppers at the beginning of January. Apply SESSION 300 WDG preventatively as soon as Leafhoppers are present. Should there be a re-infestation, apply a second application 10 to 14 days later. To control the leafhopper numbers after harvest and prevent the transfer of Aster-Yellows disease, apply a third application post-harvest. Do not exceed two (2) SESSION 300 WDG applications in total on wine and table grapes. Use a registered insecticide with a different mode of action for the third spray to prevent resistance build-up.

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Crop / Pest	Dosage rate	Remarks
Nectarines Banded Fruit Weevil / Snoutbeetle (Phlyctinus callosus)	20 g / 100 ℓ water	Apply as a full cover spray at 500 to 2000 litres spray mixture per hectare, ensuring complete coverage. Apply first treatment from 75 % petal fall onwards, or when the pest is first observed in cardboard traps, or first feeding damage is visible on lower shoots. If necessary, apply a follow-up treatment 14 to 21 days later if infestation pressure persists. Do not exceed two (2) SESSION 300 WDG treatments per season against this pest. If a third treatment is required, use a registered insecticide from another mode of action group.
Stone Fruit (Peaches, Nectarines and Plums) African bollworm (larvae) Helicoverpa armigera	15 g / 100 <i>ℓ</i> water	Apply as a full cover spray at 500 to 2000 litres spray mixture per hectare, ensuring complete coverage. SESSION 300 WDG can either be applied preventatively or when eggs or larvae are present. Do not apply after larvae has entered the fruit. Apply a second application 10 to 14 days later if reinfestation of the pest warrants it. Do not exceed two (2) SESSION 300 WDG applications in total. Use a registered insecticide with a different mode of action for the third spray to prevent resistance build-up.
Potatoes Potato tuber moth (larvae) (Phthorimaea operculella)	<u>Ground</u> <u>application:</u> 125 g/ha	Refer to "Tuber moth control in potatoes" above. Apply as a preventative or early corrective treatment. Always ensure good coverage of all leaves. Ground application: Apply in 500 to 1000 litres water per hectare (500 to 1000 mℓ per 10 m²).
	Aerial application: 150 g/ha	Aerial application: Apply in at least 30 litres water per hectare.
	PLUS Villa 51 18 mℓ /100 ℓ water House garden / small scale application: 2.5 g / 10 ℓ water	Apply when moths or first "mine tunnels" are observed on the leaves. Observations of moths that are active in the foliage indicate that an infestation may occur. Continue with regular scouting to determine when follow-up treatments must be applied. Refer to "Tuber moth control in potatoes" above, regarding the number of SESSION 300 WDG applications per season. When infestations recur continuously, it is recommended to apply SESSION 300 WDG at 8 to 14-day intervals. Apply at shorter intervals when plants are growing actively early in the season.

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Crop / Pest	Dosage rate	Remarks
Tomatoes Larvae of African bollworm (Helicoverpa armigera Larvae of Tomato semi-looper (Chrysodeixis acuta)	150 g/ha (15 g / 100 ℓ water if application volume exceeds 1000 ℓ spray mixture / ha) House garden / small scale application: 3.0 g / 10 ℓ water	Corrective ground application: Regular scouting of tomato fields is essential to establish the timing of the first and follow-up treatments (if necessary). Apply in 500 to 1500 litres of water per hectare (500 to 1500 mℓ per 10 m²) and ensure complete coverage throughout the plants. It is recommended to add a surfactant (e.g., Villa 51) to improve coverage. Start with treatments as soon as the first larvae are observed (around time of fruit set). SESSION 300 WDG will control larvae at all larval instars. Apply in a programme with 8 to 14-day intervals when under continuous re-infestation occurs. Apply at the shorter interval early in the growth season when plants are growing actively. Apply a maximum of 5 SESSION 300 WDG treatments per growing season. It is recommended to alternate SESSION 300 WDG with registered products with a different type of mode of action. Apply a "block application" of two to three consecutive SESSION 300 WDG treatments before switching over to a product with another mode of action. Most beneficial insects will not be affected adversely by application of SESSION 300 WDG. Tomatoes can be harvested one (1) day after application.
Larvae of Potato tuber moth (leaf miner) (Phthorimaea operculella)	150 g/ha (15 g / 100 ℓ water if application volume exceeds 1000 ℓ spray mixture / ha) House garden / small scale application: 3.0 g / 10 ℓ water	Preventive / Early corrective ground application: Apply in 500 to 1500 litres of water per hectare (500 to 1500 m/ per 10 m²) and ensure complete throughout the plants. It is recommended to add a surfactant (e.g. Villa 51) to improve coverage. In the case of trellised tomatoes both sides of the tomato rows must be sprayed. Start with treatments as soon when first symptoms of infestation (mines on the leaves) are noticed or when the presence of moths is observed (presence of these moths in and around the foliage is normally a good indication that an infestation will follow. Regular scouting of tomato fields is essential to establish the timing of follow-up treatments. Apply in a programme with 8 to 14-day intervals when under continuous re-infestation occurs. Apply at the shorter interval early in the growth season when plants are growing actively. Apply a maximum of five (5) SESSION 300 WDG treatments per growing season. It is recommended to alternate SESSION 300 WDG with registered products with a different type of mode of action. Apply a "block application" of two to three consecutive SESSION 300 WDG treatments before switching over to a product with another mode of action. Most beneficial insects will not be affected adversely by application of SESSION 300 WDG. Tomatoes can be harvested one (1) day after application.

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Crop / Pest	Dosage rate	Remarks
Tobacco Potato tuber moth (= Tobacco leaf miner) Phthorimaea operculella	35 g / 100 ℓ water (87.5 to 105 g/ha) PLUS Villa 51 18 mℓ /100 ℓ water	Follow a preventive spray programme at all times. Apply 250 to 300 litres spray mixture per hectare after transplanting into the field during the establishment phase of tobacco. The addition of Villa 51 (or a Villa approved surfactant), is recommended to improve droplet coverage on the foliage. Apply at 7 to 10-day intervals starting 2 to 3 days after transplanting. Under conditions of heavy infestation pressure, use the shorter interval. Apply the first and second treatments as directed band applications over the top of the plants. Ensure complete coverage of all foliage, especially the lower third of the plants (this is where Tobacco leaf miner infestation is most severe). Use a boom fitted with drop arms, with nozzles spraying inward towards each other, from the third to fourth treatments onwards in order to ensure effective coverage from both sides. Also increase the spray volume as the crop increases in height and leaf surface area. Apply a maximum of four (4) SESSION 300 WDG treatments per season. It is recommended to alternate SESSION 300 WDG with registered insecticides from a different IRAC Mode of Action Group (thus not IRAC group 22A). Apply 2 to 3 consecutive SESSION 300 WDG treatments ("block application") before switching to a product from another group. Most beneficial insects and predatory Mites are unaffected by applications of SESSION 300 WDG.

The following product mentioned in this label may be replaced with an equivalent product:

• VILLA 51 (L 8050 / W 130454 / N-AR 1090) = WEN 51 (L 8315).

VILLA 51 and WEN 51 are registered products of UNIVERSAL CROP PROTECTION (PTY) LTD.

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