

BEFORE USING THIS PRODUCT, READ THE LABEL CAREFULLY. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

Insecticide



PLATOON[®] 100 GR

Reg. No. L 10559 Act No. 36 of 1947

3:10/6/2022 – Sept2022

A granular nematicide / insecticide for the protection of potatoes, tomatoes and tobacco against plant parasitic Nematode species as listed and the suppression of Aphids on potatoes.

ACTIVE INGREDIENT

oxamyl (carbamate)

100 g/kg

GROUP

1A

INSECTICIDE



Hazard Statements:

Fatal if swallowed.
Harmful in contact with skin.
Fatal if inhaled.
May cause respiratory irritation.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Avoid release to the environment
Store in a well-ventilated place.
Keep container tightly closed.
Wear impervious rubber gloves and boots, protective clothing, and chemical safety goggles.

DANGER

kg

villa

UN Number: 2757

Registration holder: VILLA CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1992/002474/07
PO Box 10413, Aston Manor, 1630
Tel. (011) 396 2233
Website: www.villacrop.co.za

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)

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:

PLATOON® 100 GR

Reg. No. L10559 Act No. 36 of 1947
 IRAC INSECTICIDE GROUP CODE: 1A

ACTIVE INGREDIENT:

oxamyl (carbamate) 100 g/kg

Registration holder:

VILLA CROP PROTECTION (PTY) LTD.

Co. Reg. No. 1992/002474/07

P.O. Box 10413, ASTON MANOR, 1630,

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WARNINGS**Withholding periods:**

Minimum number of days between last application and harvest:	
Potatoes	30 days
Tomatoes	21 days
Tobacco	42 days

NOTE

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 CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

Hazard statements:

Fatal if swallowed.
Harmful in contact with skin
Fatal if inhaled.
May cause respiratory irritation.
Suspected of causing cancer.
Very toxic to aquatic life with long lasting effects.

- Handle with extreme care.
- Toxic to fish, bees and wildlife.
- Store under lock and key in a cool, dry, well-ventilated place in the original container, tightly closed.
- Store away from food, feeds, seed, fertilizers and other agricultural remedies.
- Keep out of reach of children, uninformed persons and animals.
- Re-entry: Do not enter treated area within one (1) day after treatment, unless wearing protective clothing.
- **In case of poisoning call a doctor immediately and make this label available to him/her.**

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 pests 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.

PRECAUTIONS**Precautionary Statements:**

Do not handle until all safety precautions have been read and understood.
Obtain, read and follow all safety instructions before use.
Avoid breathing dust, fume, gas, mists, vapours or spray.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.

Avoid release to the environment.
Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
IF SWALLOWED: Immediately call a POISON CENTER.
IF SWALLOWED: Get emergency medical help immediately. Rinse mouth.
IF ON SKIN: Wash with plenty water and non-abrasive soap.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Get emergency medical help immediately.
IF exposed or concerned, get medical advice.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of content/container to suitable landfill in accordance with local regulations.

- Clean the applicator thoroughly after use and dispose of wash water where it will not contaminate crops, food, grazing, rivers and dams.
- **TRIPLE RINSE THE EMPTY CONTAINER AS FOLLOWS:** Invert the empty container over the spray or mixing tank and drain for at least 30 seconds after the flow has slowed down to dripping. Thereafter rinse the empty container three 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.

SYMPTOMS OF HUMAN POISONING

Oxamyl is a carbamate compound, which inhibits cholinesterase. Systemic effects may begin within a few minutes or several hours of exposure. Symptoms may include nausea, vomiting, diarrhoea, abdominal cramps, headache, vertigo, tightness of the chest, anxiety, ocular pain, ciliary muscle spasm, blurred vision, small pupils, or mydriasis, lacrimation, salivation, sweating and confusion.

In severe cases, there may be bradycardia, hypotension, pulmonary oedema, convulsions, coma and death from respiratory failure or cardiac arrest.

Relevant hazardous components	
Oxamyl	10 %
Citric acid	< 5 %
Diethylene glycol	< 5 %
Attapulgit carrier	< 80 %

FIRST AID TREATMENT

- **General:** Immediately remove the patient from the source of poisoning to a cool, well-ventilated area and keep him/her calm and reassured. Remove contaminated clothing and rinse contaminated body area thoroughly with plenty of soap and water. If breathing has stopped, give mechanical artificial respiration (not direct mouth-to-mouth). Qualified personnel should perform administration of oxygen. **Get medical attention immediately.**
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if affected person feels unwell.
- **Skin contact:** Remove contaminated clothing immediately and rinse contaminated body area thoroughly with plenty of soap and cold water, followed by alcohol. Do not rub the skin. Emergency personnel should wear gloves and avoid contamination.
- **Eye contact:** Flush contaminant out of eyes with clean lukewarm, gently flowing water for at least 20 minutes, while holding eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or on to the face.
- **Ingestion:** If swallowed, rinse mouth thoroughly with water and immediately get medical attention. If the person is alert and respiration is not depressed, give 1 to 2 glasses of water. Induce vomiting by tickling the back of the throat and keep the patient's head below hips to prevent aspiration. Vomiting should continue until vomit is clear and free from the smell of poison. Establish and maintain airway. **Never** apply direct mouth to mouth respiration or give anything by mouth to an unconscious person.
- **Take the patient to a physician immediately.**

NOTE TO PHYSICIAN

If consciousness level declines or vomiting has not occurred in 15 minutes, empty stomach by gastric lavage. Avoid aminoglycosides and succinylcholine. Phenothiazines, reserpine, theophylline, morphine, Pralidoxime (2-PAM, Protopam) and other oximes are contra-indicated.

Antidote: Administer atropine sulphate intravenously or intramuscularly. In moderately to severe poisoning, administer atropine sulphate, 0.4 to 2.0 mg repeated every 15 minutes, until atropinisation is achieved (dry, flushed skin, dry mouth and tachycardia). Maintain atropinisation by repeated doses for 2 to 12 hours, or longer, depending on the severity of poisoning.

RESISTANCE WARNING

PLATOON® 100 GR is a group code 1A insecticide. Any insect population may contain individuals naturally resistant to **PLATOON® 100 GR** and other group code 1A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. **PLATOON® 100 GR** or any other group code 1A insecticide may not control these resistant insects.

To delay insecticide resistance:

- avoid exclusive repeated use of insecticides from the same insecticide group code. Alternate 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.

Mode of Action: contact and systemic insecticide, acaricide and nematicide. Absorbed by the foliage and roots, with translocation. Cholinesterase inhibitor.

USE RESTRICTION

PLEASE NOTE: NEMATODES CONTROLLED EXCLUDES *Meloidogyne chitwoodi* AND *Meloidogyne fallax*.

DIRECTIONS FOR USE: Use only as directed.

- When **Platoon® 310 SL** is used as a follow-up treatment; optimal efficacy will be obtained using dilution water with a pH of 5 to 6. Water with a pH higher than 7, should be buffered to pH 5 to 6 by using **Commodobuff** at the registered rate, to adjust the pH of the water. A buffer must be mixed with the water before the **Platoon® 310 SL** is added.
- Optimal systemic activity of **PLATOON® 100 GR** depends on translocation of the active ingredients inside the treated plant. Reduced efficacy might occur when stress factors such as drought impairs translocation.

APPLICATION RATES

Crop / Pest	Dosage	Remarks
Potatoes (Table potatoes only). Root knot nematodes (<i>Meloidogyne</i> spp.), Burrowing nematodes (<i>Radopholus similis</i>) Lesion nematodes (<i>Pratylenchus</i> spp.) Suppression of Aphids	<p><u>Ground application:</u> 350 g per 100 m furrow</p> <p><u>Foliar application:</u> Follow-up with three (3) foliar sprays of Platoon® 310 SL at spraying intervals of four (4) weeks.</p> <ul style="list-style-type: none"> The first Platoon® 310 SL foliar application should be applied at a dosage rate of 3 litres per hectare. Second application: 3 to 4 weeks later at 4 litres per hectare. Third application 11 to 12 weeks after plant emergence at 5 litres per hectare. 	<p>Only apply PLATOON® 100 GR to moist soil. Apply PLATOON® 100 GR into planting furrow before closing.</p> <p>Do not add any adjuvants to the spray mixture except a buffer as mentioned, when necessary, refer “DIRECTIONS FOR USE”.</p>

NOTES

- The nematicide, systematic and/or residual activity of **PLATOON® 100 GR** and **Platoon® 310 SL** is strongly influenced by factors beyond the registration holder’s control, for example ineffective and/or too shallow fumigation of the soil prior to planting, soil type (very sandy soils that leaches easily), high soil pH, or stress conditions (especially drought) on the crop. Some Root knot nematode damage in potatoes must be expected under the above-mentioned conditions, or when nematode infested seed tubers are planted.
- For potato planting in the Northern Cape and Northwest Provinces (Prieska, Hopetown, Douglas, P.K. le Roux Dam irrigation areas, Vaalharts irrigation area, Barkly West, Christiana, Vryburg, Coetzersdam and Tosca), the soil must be fumigated prior to applying PLATOON® 100 GR.**
- If potatoes are left in the soil for longer than 30 days after the final **Platoon® 310 SL** application, serious re-infestation of Root knot nematodes into the tubers may occur. This is due to the insufficient residue levels of the active ingredient in the soil due to natural breakdown of the product in the soil.
- If excessively high Root knot nematode levels are present in the soil due to a combination of above-mentioned factors and/or when abnormal cultural practices are followed, e.g., the continuous planting of Nematode susceptible crops on the same fields, severe losses due to Root knot nematode damage may occur in spite of the chemical control measures applied. Under these conditions, **PLATOON® 100 GR** and **Platoon® 310 SL** programmes should not be used for Root knot nematode control in potatoes, not even in combination with other nematicides and especially not when chipping potatoes are cultivated.

Crop / Pest	Dosage	Remarks
<p>Tomatoes Root knot nematodes <i>Meloidogyne</i> spp. (Excluding <i>Meloidogyne chitwoodi</i> & <i>Meloidogyne fallax</i>)</p>	<p><u>Soil application*:</u> 125 g per 100 m furrow</p> <p><u>Plant station application*:</u> 0.75 g per plant</p> <p><u>Foliar application:</u> Follow up with two or more foliar sprays of Platoon® 310 SL, using 800 ml per 100 litres water at two (2) weeks after transplanting at 250 litres spray mixture per hectare (2 litres Platoon® 310 SL per hectare) and repeat three (3) weeks later at 500 litres mixture (4 litres Platoon® 310 SL per ha), per hectare.</p>	<p>Only apply PLATOON® 100 GR to moist soil. Apply PLATOON® 100 GR either into planting furrow or in a 20 cm wide band over the planting furrow and incorporate into the soil. Do not add any adjuvants to the spray mixture except a buffer as mentioned, when necessary, refer “DIRECTIONS FOR USE”.</p> <p>Apply PLATOON® 100 GR granules into the planting hole using an appropriate measuring spoon.</p> <p>Mix granules thoroughly into the soil, add the planting water and plant the seedling afterwards.</p>
<p>Tobacco Root knot nematodes <i>Meloidogyne</i> spp. (Excluding <i>Meloidogyne chitwoodi</i> & <i>Meloidogyne fallax</i>)</p>	<p><u>Soil application*:</u> 125** to 250 g per 100 m furrow</p> <p><u>Plant station application*:</u> 1.25 g per plant.</p> <p><u>Foliar application:</u> Follow the PLATOON® 100 GR soil treatment up with one (1) foliar application (if the soil was properly fumigated before planting or where light Nematode infestation normally occurs), with Platoon® 310 SL, using 800 ml per 100 litres water at 500 litres spray mixture per hectare (4 litres Platoon® 310 SL per hectare), 4 to 5 weeks after planting.</p>	<p>Only apply PLATOON® 100 GR to moist soil. Apply PLATOON® 100 GR either into planting furrow or in a 20 cm wide band over the planting furrow and incorporate into the soil. If no fumigant was applied prior to planting or if the soil was fumigated post-harvest the previous season or when severe Nematode infestation may occur, follow-up the soil treatment with two (2) Platoon® 310 SL foliar applications using 800 ml per 100 litres water two (2) weeks after planting at 250 litres spray mixture per hectare (2 litres Platoon® 310 SL per hectare) and repeat three (3) weeks later at 500 litres mixture (4 litres Platoon® 310 SL per hectare), per hectare. Do not add any adjuvants to the spray mixture except a buffer as mentioned, when necessary, refer “DIRECTIONS FOR USE”.</p>

* - Soil of seedbeds or seed trays must be fumigated with a registered fumigant as usual, against Nematodes, prior to sowing.

** - This rate should only be used in the Mpumalanga Lowveld.

NOTES (Tomatoes and Tobacco)

- The nematicidal, systemic and/or residual activity of **PLATOON® 100 GR** and **Platoon® 310 SL** are strongly influenced by factors beyond the registration holder's control for example ineffective and/ or too shallow fumigation of the soil prior to planting (where applicable - refer to note, soil type (very sandy soils that leaches easily), high soil pH, or stress conditions (especially drought) on the crop. Some Root knot nematode damage in tobacco and tomatoes must be expected under the above-mentioned conditions.
- If excessively high Root knot nematode levels are present in the soil due to a combination of the above-mentioned factors and/or when abnormal cultivating practices are followed, e.g., the continuous planting of Nematode susceptible crops on the same fields, crop losses due to Root knot nematode damage may occur despite the chemical control measures applied. If last-mentioned factors occur the desired control of Root knot nematodes may not be achieved with **PLATOON® 100 GR** and **Platoon® 310 SL** programmes in tobacco and tomatoes, not even when used in combination with other nematicides.
- Under above-mentioned conditions, the fumigation of the soil with a registered fumigant prior to the application of **PLATOON® 100 GR** is recommended.
- Since tobacco and tomatoes are sensitive crops and varieties may differ in their sensitivity towards crop protection products, it is recommended that only a portion of a field is treated with **PLATOON® 100 GR** the first time the product is used in order to determine if any negative effects occur on the crop or specific variety. A certain amount of leaf scorching may occur under certain conditions on seedlings produced in seed trays, which are of a temporary nature and should not affect yield. In order to minimize the risk of leaf scorching the **PLATOON® 100 GR** should be thoroughly incorporated into the soil before the seedling is planted.

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

- **COMMODOBUFF** (L 5390 / N-AR 1107) = **AQUABUFF** (L 5451 / W 130060) and
- **PLATOON® 310 SL** (L 7913 / N-AR 1106 / W 1301115) = **STETSON 310 SL** (L 7904) (**Oxamyl**).

PLATOON® is a registered trademark of **Villa Crop Protection (Pty) Ltd.**

PLATOON® 310 SL, **AQUABUFF** and **COMMODOBUFF** are registered products of **Villa Crop Protection (Pty) Ltd.**

STETSON 310 SL is a registered product of **Universal Crop Protection (Pty) Ltd.**