

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



Insecticide

PLATOON® 310 SL

Reg. No. L 7913 Act No. 36 of 1947
N-AR 1106 / W1301115

4-10/6/2022 – Aug2023

A water-soluble liquid systemic nematicide / insecticide for the protection against nematode and insect pests on crops as listed.

ACTIVE INGREDIENT

oxamyl (carbamate) 310 g/l

GROUP 1A INSECTICIDE

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG



Hazard Statements:

- Highly flammable liquid and vapour.
- Fatal if swallowed.
- Fatal if inhaled.
- Toxic in contact with skin.
- Causes skin irritation.
- Causes serious eye irritation.
- Causes damage to organs (optic nerve, central nervous system).
- Toxic to aquatic life.
- 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



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



UN Number: 2758

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)

DIRECTIONS FOR USE ENCLOSED

Batch Number:

Date of Manufacture:

PLATOON® 310 SL

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 IRAC INSECTICIDE GROUP CODE: 1A

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WARNINGS**Withholding periods:**

Minimum number of days between the last application and harvest:	
Groundnuts	80 days
Maize	42 days
Potatoes	30 days
Tomatoes	21 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, VILLA CROP PROTECTION (PTY) LTD. CANNOT ACCEPT RESPONSIBILITY FOR EXPORTED CROPS EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

Hazard statements:

Highly flammable liquid and vapour.
Fatal if swallowed.
Fatal if inhaled.
Toxic in contact with skin.
Causes skin irritation.
Causes serious eye irritation.
Causes damage to organs (optic nerve, central nervous system).
Toxic to aquatic life
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 two (2) days 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:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition surfaces. No smoking.
Keep container tightly closed.

Use non-sparking tools.
Take action to prevent static discharges.
Do not breathe dust, fume, gas, mist, vapours, or spray.
Wash hands and face thoroughly after handling. Do not touch eyes.
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.
In case of inadequate ventilation wear respiratory protection.
IF SWALLOWED: Immediately call a POISON CENTER. Rinse mouth.
F IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF exposed or concerned: Get emergency help immediately.
Immediately call a POISON CENTER.
Get emergency medical help immediately.
If eye irritation persists: Get medical help.
Take off immediately all contaminated clothing and wash before reuse.
In case of fire: Use water spray or fog for larger fires and carbon dioxide, dry powder, or alcohol-resistant foam for smaller fires to extinguish.
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.

- Avoid contact with eyes, skin or clothing.
- Prevent drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- 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. Exposure to high level of **Oxamyl** may cause organ damage.

<u>Relevant hazardous components</u>	
Oxamyl	38 %
Wetter	< 10 %
Solvent	< 60 %

FIRST AID TREATMENT

- **General:** Remove the patient immediately from the source of poisoning to a cool, well-ventilated area and keep him/her calm and reassured. 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:** If not breathing, give artificial respiration. 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, shoes and leather goods 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. If present, remove contact lenses after five (5) minutes and continue rinsing. Take care not to rinse contaminated water into the unaffected eye or on to the face. **Seek medical attention immediately.**
- **Ingestion:** If swallowed, rinse mouth thoroughly with water and immediately get medical attention. If the person is alert and respiration is not depressed, give syrup of Ipecac, followed by water or activated charcoal, if instructed. If vomiting occurs, keep head below hips to prevent aspiration. Establish and maintain airway. **Never** 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.

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

De-activation of PLATOON® 310 SL solutions:

After use, add 2.5 kg of sodium carbonate per 100 litres PLATOON® 310 SL spray mixture still in the tank, to deactivate excess Oxamyl.

RESISTANCE WARNING

PLATOON® 310 SL is a group code 1A insecticide. Any insect population may contain individuals naturally resistant to PLATOON® 310 SL and other group code 1A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. PLATOON® 310 SL 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 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.

USE RESTRICTION

- **Maize – nematode control:** It is important to refer to the “USE RESTRICTIONS” listed on Mesotrione herbicide labels (e.g., Cantron® 480 SC) if Mesotrione is to be used as a pre- and/or post-emergence herbicide in maize crops where Counter FC 15G® and PLATOON® 310 SL (organophosphate and carbamate insecticides/nematicides respectively), will be applied for control of nematodes and or other insect pests.
- **Grapevines – snail control:** Prior to application of PLATOON® 310 SL, chase off or remove birds (e.g., ducks, etc.), mammals and other wildlife (e.g., tortoises) from the area where PLATOON® 310 SL will be applied.
- **Nematodes controlled excludes *Meloidogyne chitwoodi* and *M. fallax*.**

DIRECTIONS FOR USE: Use only as directed.

- Optimal efficacy of PLATOON® 310 SL will be obtained dilution water with a pH of 5 to 6. Water with a pH higher than 7, should be buffered to pH 5 to 6. Use one of the following adjuvants: **Aquabuff** or **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® 310 SL 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
<u>Grapevines</u> Brown snail (<i>Helix aspersa</i>); Dune snail (<i>Theba pisana</i>)	Dormant spray: 2.5 ℓ per ha	<u>IMPORTANT</u> Refer to “USE RESTRICTIONS” above. Apply before bud burst as a single dormant spray to vines when Snails are first noticed. For optimal control, apply when Snails are active (e.g., early morning or under cool, overcast conditions preferably before sunrise). Apply in 200 to 500 litres water per hectare as a directed spray. Do not add other adjuvant types except a buffer, to the spray mixture.
<u>Maize</u> Nematodes	At plant: 66 g / 100 m row Counter FC 15G® <u>Followed post-emergence of crop by:</u> 40 ml / 100 m row PLATOON® 310 SL	<u>IMPORTANT</u> Refer to “USE RESTRICTIONS” above. Apply Counter FC 15G® during planting of the maize crop. Apply PLATOON® 310 SL as a foliar application six (6) weeks after full emergence of the crop. Refer to the Counter FC 15G® label for all WARNINGS, USE RESTRICTIONS and DIRECTIONS FOR USE.
<u>Groundnuts</u> Peanut pod nematode (<i>Ditylenchus atricanus</i>)	1.2 ℓ per 100 ℓ water	Apply as a foliar treatment at commencement of peg formation (with Sellie approximately 60 days after planting), in at least 250 litres of spray mixture per hectare. Ensure thorough wetting of the foliage.
<u>Tomatoes</u> Root knot nematodes	<u>Seedbed*:</u> 40 ml per 10 ℓ water	Fumigate the soil with a registered fumigant before planting. Implement the full programme to ensure effective protection against nematode infestations. Drench seedbeds with two (2) litres of the spray mixture per m ² of the seedbed surface for 48 to 24 hours, prior to transplanting.
	<u>Seed trays*:</u> 40 ml per 10 ℓ water	Spray seedling trays with 0.5 litre of the spray mixture per m ² of the total seed tray surface, 48 to 24 hours prior to transplanting.
	<u>Foliar application:</u> <u>After transplanting:</u> 800 ml per 100 ℓ water	Apply 250 litres of spray mixture per hectare as a foliar treatment, two (2) weeks after transplanting. Repeat after three (3) weeks with 500 litres spray mixture per hectare.

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

Crop / Pest	Dosage	Remarks
Potatoes Root knot nematodes (<i>Meloidogyne</i> spp.) & suppression of Aphids	<u>Ground application:</u> 800 ml per 100 l water	Fumigate soil with a registered fumigant, before planting. Apply 250 litres of spray mixture per hectare, seven (7) days after emergence. Repeat after four (4) weeks at a rate of 600 litres of spray mixture, per hectare. In the case of heavy infestations, a further application of 600 litres of spray mixture per hectare must be performed, 3 to 4 weeks after the second spray.
Potato leaf miner (<i>Liriomyza huidobrensis</i>)	<u>Foliar application:</u> 3 l per ha	Ensure thorough coverage of all foliage by applying in 400 to 600 litres water per hectare. Commence application at the first sign of leaf infestation and repeat at intervals of 7 to 14 days. Make use of the shorter interval when continuous high infestation is observed. A minimum of two (2) consecutive applications of PLATOON® 310 SL are recommended, where after, if needed, it should be alternated with insecticides with a different mode of action. Do not exceed three (3) applications per season or a maximum of 12 litres of PLATOON® 310 SL per hectare per season. If the spray water has a pH of above 7, it should be buffered to a pH of 5 to 6. However, do not add any other adjuvant types to the PLATOON® 310 SL spray solution.

Consult all products labels mentioned in this label for **WARNINGS, PRECAUTIONS, USE RESTRICTIONS** and **DIRECTIONS FOR USE**.

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

- **COMMODOBUFF** (L 5390 / N-AR 1107) = **AQUABUFF** (L 5451 / W 130060),
- **CANTRON® 480 SC** (L 8365 / N-AR 1323 / W 130651) = **ASTRON® 480 SC** (L 8366) = **CANONNE 480 SC** (L 8735) (**Mesotrione**) and
- **COUNTER FC 15G®** (L 5571 / N-AR 1082) = **TERBUFOS 15 GR** (L 7186).

TERBUFOS 15 GR, CANTRON® 480 SC and **COUNTER FC 15G®** are registered products of **VILLA CROP PROTECTION (PTY) LTD.**

ASTRON® 480 SC, COMMODOBUFF and **AQUABUFF** are registered products of **UNIVERSAL CROP PROTECTION (PTY) LTD.**

CANONNE 480 SC is a registered product of **CROPASURE (PTY) LTD.**

PLATOON®, CANTRON® and **ASTRON®** are registered trademarks of **VILLA CROP PROTECTION (PTY) LTD.**

COUNTER® is a registered trademark of **AMVAC CHEMICAL CORPORATION USA.**