

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

RESTRICTED USE AGRICULTURAL REMEDY

THIS REMEDY IS RESTRICTED DUE TO ACUTE TOXICITY. THIS REMEDY MAY ONLY BE SOLD TO AND USED BY A REGISTERED PEST CONTROL OPERATOR, OR BY SOMEONE UNDER THE SUPERVISION OF A REGISTERED PEST CONTROL OPERATOR, AND ONLY FOR THOSE USES COVERED BY THE PEST CONTROL OPERATOR'S SCOPE OF REGISTRATION, AND ONLY AS DIRECTED ON THIS LABEL.

REFER TO DETAILS AS PRINTED ON CONTAINER / BAG

Insecticide



METHOMYL 90 SP

Reg. No. L 7189 Act No. 36 of 1947
N-AR 1084 / W 1301326

6: 15/01/2025 – Jan2025

A water-soluble powder insecticide for the control of pests
on crops as indicated.

ACTIVE INGREDIENT

methomyl (carbamate)

900 g/kg

GROUP

1A

INSECTICIDE



DANGER

Hazard Statements:

Fatal if swallowed.
May be harmful in contact
with skin.
Fatal if inhaled.
Very toxic to aquatic life with
long lasting effects.

Precautionary Statements:

Do not breathe dust or spray mist.
Avoid release into the environment.

kg

villa



UN Number: 2757

Registration holder: VILLA CROP PROTECTION (PTY) LTD.
Co. Reg. No. 1992/002474/07
65 Botes Road, Glen Marais, Kempton Park, 1619
Tel. (011) 396 2233
Website: www.villacrop.co.za

IN CASE OF POISONING / 24 HR EMERGENCY NUMBERS:
Griffon Poison Information Centre (National) : +27 82 446 8946
Poison Information Helpline (National): +27 861 555 777
24 Hr Transport / Spill emergency no: (Hazcall24) +27 86 044 4411
(Client: Villa Crop Protection)

DIRECTIONS FOR USE ENCLOSED
Batch Number: _____
Expiry Date: _____
Date of Manufacture: _____

METHOMYL 90 SP

Reg. No. L 7189 Act No. 36 of 1947

IRAC INSECTICIDE GROUP CODE: 1A

ACTIVE INGREDIENT:

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WARNINGS**Withholding periods:**

Minimum time which should be allowed between last the application and harvest or grazing (feeding):	
Cruciferae	4 days
Potatoes	3 days
Grain sorghum, Maize, Pastures, Wheat, Lupins, Lucerne and Flue-cured tobacco	7 days
Air-cured tobacco	14 days
Citrus (20 g per 100 l dosage)	2 days
Citrus (higher than 20 g per 100 l dosage)	28 days
Tomatoes	2 days
Green Beans	14 days
Peaches	16 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 FRUIT EXCEEDING THE IMPORT TOLERANCES OF OTHER COUNTRIES.

METHOMYL 90 SP MAY CAUSE YELLOWING OF LEAF TIPS USED ON CERTAIN CARNATION VARIETIES.

DO NOT USE METHOMYL 90 SP IN COMBINATION WITH G49 WETTING AGENT ON TOBACCO SEEDBEDS OR ON CITRUS.

Hazard statements:

Fatal if swallowed.
May be harmful in contact with skin.
Fatal if inhaled.
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 place, away from food, feeds, fertilizers and drinking water.
- Keep container well closed.
- Keep out of reach of animals, children and uninformed persons.
- Re-entry: Do not enter treated area within 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:

Do not breathe dust or spray mist.
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 into the environment.
In case of inadequate ventilation, wear respiratory protection.
IF SWALLOWED: Immediately call a POISON CENTER.
IF ON SKIN: Get medical help.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately.
Rinse mouth.
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.
- Wear protective clothing - suitable overalls, rubber boots, gloves, a face shield and a respirator.
- Wash contaminated clothing daily.
- Wash immediately with soap and water after use.
- Do not eat, drink or smoke whilst applying or mixing or before washing hands and face and change of clothing.
- Prevent spray drift onto other crops, grazing, rivers, dams or areas not under treatment.
- Clean the applicator after use and before using it for other remedies.
- Invert the empty container over the spray or mixing tank to make sure container is empty before destroying the container.
- Rinse the empty container and container used for measurement three times with a volume of water equal to a minimum of a third of that of the container. Dispose of wash water where it will not contaminate crops, grazing, rivers, dams, etc.
- Destroy the empty container by perforation and flattening and dispose of it in a safe way.
- **Never** re-use the container for any other purpose.
- Prevent contamination of food, feeds, drinking water and eating utensils.

SYMPTOMS OF HUMAN POISONING

Headache, fatigue, faintness, giddiness, excessive sweating, nausea, abdominal pains, vomiting, diarrhoea, tightness of the chest, anxiety, blurred vision, muscle twitching beginning in the eyelids and tongue, small pupils, respiratory distress, convulsions, coma.

FIRST AID TREATMENT

- Remove the patient from the source of poisoning to a well-ventilated area and keep him/her calm and reassured.
- **Inhalation:** Remove person from contaminated area to fresh air and assist breathing as needed. **Get emergency medical help immediately.**
- **Skin contact:** 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 persists.
- **Eye contact:** Flush eyes with clean water for at least 15 – 20 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Obtain medical attention if irritation persists.
- **If swallowed:** **Immediately seek medical attention or call a poison control centre for treatment advice.** Do not induce vomiting unless instructed to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person. If the person is alert, rinse mouth thoroughly with water.
- **Never** give anything by mouth to an unconscious person.
- **Take the patient to the nearest physician immediately.**

NOTE TO PHYSICIAN

Administer 2 to 4 mg (adult) atropine sulphate, intravenously and repeat at 10 minutes intervals until signs of atropinisation (dry, flushed skin and tachycardia) occur. Pralidoxime (2-PAM, Protopam) and other oximes are contra-indicated.

Relevant hazardous components	
Methomyl	900 g/kg

NOTE: The ingredients listed above contribute to the overall GHS classification, the remaining ingredients do not have to be listed according to the South African Regulations for Hazardous Chemical Agents 2021, Regulation 14(b).

In case of poisoning, call the following number: +27 82 446 8946 (Griffon Poison Information Centre) or +27 861 555 777 (Poison Information Helpline).

In case of a chemical spill call the following 24 Hr Transport / Spill emergency number: +27 86 044 4411 (Hazcall24 / Client: Villa Crop Protection).

RESISTANCE WARNING

METHOMYL 90 SP is a group code 1A insecticide. Any insect population may contain individuals naturally resistant to **METHOMYL 90 SP** and other group code 1A insecticides. The resistant individuals can eventually dominate the insect population if these insecticides are used repeatedly. These resistant insects may not be controlled by **METHOMYL 90 SP** or any other group code 1A insecticide.

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 or consult the website of the Insecticide Resistance Action Committee (<https://irac-online.org/>). If resistance is suspected, please consult your local company representative or agricultural advisor.

Mode of action:

Methomyl is an oxime carbamate compound and belongs to IRAC mode of action group 1A. It is a systemic insecticide and acaricide which is active through contact and ingestion. It is translocated acropetally through the plant in the xylem.

RESTRICTED USE: Use only as directed.

THIS REMEDY IS RESTRICTED DUE TO ACUTE TOXICITY. THIS REMEDY MAY ONLY BE SOLD TO AND USED BY A REGISTERED PEST CONTROL OPERATOR, OR BY SOMEONE UNDER THE SUPERVISION OF A REGISTERED PEST CONTROL OPERATOR, AND ONLY FOR THOSE USES COVERED BY THE PEST CONTROL OPERATOR'S SCOPE OF REGISTRATION, AND ONLY AS DIRECTED ON THIS LABEL.

NOTICE TO USER:

Read the entire label before application. This agricultural remedy is to be used only in accordance with the instructions on the label. It is an offence under the Act to use this agricultural remedy for any purpose in a manner contrary with the directions on the label.

Mixing instructions:

- Add the required quantity of **METHOMYL 90 SP** to a half-full spray tank and mix thoroughly and fill up slowly while agitating (mechanical or hydraulic).
- Commence agitating mixture a few minutes before starting to spray.
- Agitation is necessary to completely dissolve the insecticide.
- Spraying should be carried out preferably on dry, windless days and the crops should be thoroughly wetted.

General directions:

- Use at all times correctly calibrated and suitable equipment in good working condition, to ensure wetting of all parts of the plant thoroughly.

APPLICATION RATES

Crop / Pest	Dosage Rate	Remarks
Cruciferae Larvae of the Diamond-back moth, Greater cabbage moth and Aphids	50 g / 100 ℓ water	Apply when larvae first appear on the leaves. Use up to 500 litres spray mixture per hectare. During hot weather and peak infestation, shorten the spray intervals to 3 to 5 days. Ensure thorough wetting of the plants.
African bollworm	250 g / ha	Ground application: Apply in sufficient water and ensure good coverage.
Carnations Carnation worm	100 g / 100 ℓ water	Ensure good coverage of the whole plant. Repeat weekly.
Beans African bollworm	50 g / 100 ℓ water	Ground application: Ensure good coverage of the plants and apply up to 500 litres spray mixture per hectare.
Tomatoes Leafminer, African bollworm, Semi looper, Aphids & Thrips	50 g / 100 ℓ water	Apply as a full cover spray as soon as fruit begin to set or earlier if necessary and repeat at 7 to 10 day intervals during the growing season.
Citrus Aphids & African bollworm	20 g / 100 ℓ water	Apply as a light cover spray when Aphids and/or larvae appear. Repeat when necessary.
Mealybug	20 g / 100 ℓ water	Apply as a full cover spray with a high-pressure sprayer as soon as young nymphs appear on the fruit. Repeat if necessary.
Orange dog caterpillar	25 g / 100 ℓ water	Apply as a light cover spray as soon as larvae are noticed.
Red scale	100 g PLUS 3 ℓ light narrow range mineral oil / 100 ℓ water	Corrective treatment: Apply when 25 to 40 % of the fruit is infested with one or more live nymphs or adult Scales. WARNING <u>Fruit bearing trees:</u> Only one application must be made between December and March for late cultivars. <u>Early cultivars:</u> May only be sprayed once in December or January and not later than January. Application must be performed with high-pressure compressor type handguns. Do not apply with conventional citrus spray equipment.
Soft green scale	20 g PLUS 500 ml narrow range mineral oil / 100 ℓ water	Apply as a full cover spray with a high-pressure sprayer when the first visible signs of infestation are seen. Do not use less than 500 ml mineral oil per 100 liters water.
Waxy scale	25 g / 100 ℓ water	Apply as a full cover spray with a high-pressure pump as young nymphs of a new generation move from the leaves to the twigs. This treatment will not be successful against adult Waxy scale.
Roses Aphids	25 g / 100 ℓ water	Apply as a full cover spray. Repeat as necessary. Apply up to 500 litres spray mixture per hectare.

Crop / Pest	Dosage Rate	Remarks
<u>Peaches</u> False codling moth	50 g / 100 ℓ water	<u>Early cultivars:</u> Apply two sprays ensuring that trees are thoroughly wetted. Apply the first spray 4 weeks before harvest and the second 10 days later. Also apply a registered product for Fruit fly control. <u>Late cultivars:</u> Apply three sprays beginning 6 weeks before harvest and repeat at 10-day intervals. Ensure good coverage of the trees. Also apply a registered product for Fruit fly control.
<u>Tobacco</u> Leafminer, African bollworm, Tobacco slug & Stinkbug	50 g / 100 ℓ water	<u>Ground application:</u> Apply when pests are noticed. For Leafminer, spray weekly and ensure thorough wetting of the plants. Apply up to 500 litres spray mixture per hectare.
<u>Potatoes</u> Potato tuber moth & African bollworm	50 g / 100 ℓ water	<u>Ground application:</u> Ensure a good coverage and wetting of the plants. Apply up to 1000 litres spray mixture per hectare.
<u>Veld and Grazing</u> Army worms	50 g / ha	<u>Ground application:</u> Apply in 400 litres water as soon as the pest is observed.
<u>Grain sorghum, Wheat, Lupins and Lucerne</u> African bollworm	200 g / ha	<u>Ground application:</u> Low volume. Apply in 100 to 200 litres water per hectare.
	50 g / 100 ℓ water	Apply in up to 400 litres spray mixture per hectare.
<u>Maize</u> African bollworm	200 g / ha	<u>Ground application:</u> Low volume. Apply in 100 to 200 litres water per hectare.
	50 g / 100 ℓ water	Apply in up to 400 litres spray mixture per hectare.