

WARNINGS:

- Handle with extreme care.
- Poisonous by contact, swallowing and inhalation.
- Store in the original container under lock and key in a cool dry place.
- Store away from food, feedstuffs, seed and fertiliser.
- Keep out of reach of children, uninformed persons and animals.
- Toxic to fish and wildlife.
- **Flammable:** Do not store or apply near open flames or sparks.
- **Re-entry:** Do not enter the treated area within 2 days after treatment unless protective clothes are worn.
- In case of poisoning call a doctor and show him this label.

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 against the remedy concerned as well as by the method, time and accuracy of the 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 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:

- Do not inhale vapour.
- Do not suck the product through a tube by mouth or use mouth to blow out clogged lines, nozzles, etc.
- Wear protective clothing (appropriate overalls, face shield, rubber boots, gloves and respirator).
- Change clothing daily.
- Wash contaminated clothing immediately.
- After use and in case of accidental skin contact, wash thoroughly with soap and water.
- Do not eat, drink or smoke whilst applying or before washing hands and face.
- Prevent contamination of food, feedstuffs, drinking water and eating utensils.
- Prevent contamination of other crops, grazing, rivers, dams or areas not under treatment.
- Wash application equipment after use. See "Use Precautions" under "DIRECTIONS FOR USE".
- Disposal of empty container: Ensure that empty container is free of all liquid. Remove cap and aerate containers outside for at least 14 days to permit aeration and evaporation of any residue. Treat the container as hazardous waste; offer for recycling or destroy by perforation and flattening; dispose in an approved way.
- Do not re-use the empty container for any other purpose.

SYMPTOMS OF HUMAN POISONING:

EYE CONTACT: Severe redness and watering, and/or severe irritation.

SKIN CONTACT: This product can be absorbed by the skin; redness, swelling of the skin and moderate irritation. In the case of repeated skin contact: dry and chapped skin.

INHALATION: Nose and throat irritation; high concentrations may result in coughing and difficulty in breathing, intoxication, restlessness, dizziness, nausea, vomiting, and drowsiness; symptoms may be delayed.

INGESTION: Breath smells of chloroform; severe irritation to mouth, throat, oesophagus and stomach; nausea, vomiting, abdominal cramps and/or diarrhoea. Feelings of intoxication, restlessness, dizziness and drowsiness.

FIRST AID TREATMENT:

- EYE CONTACT:** Flush immediately with plenty of clean water for at least 15 minutes. Get medical attention immediately.
- SKIN CONTACT:** Flush skin immediately with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. If water is not available immediately remove excess chemical from skin with adsorbent material such as a towel or dry soil, then proceed at once to a location where water is available and thoroughly wash contaminated skin with plenty of water. Call a physician.
- INHALATION:** Remove person to fresh air. If not breathing, give artificial respiration, preferably not mouth-to-mouth. If breathing is difficult, give oxygen and call a physician.
- INGESTION:** Do not induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN:

Rapid absorption may occur through lungs if the product is aspirated or swallowed and will cause a systemic effect, the decision to induce vomiting or not should be made by a physician. Give oxygen and watch for early signs of pulmonary oedema. BAL may be used. If the material has been ingested, carry out cautious gastric lavage. Give no fats or oils, but rather administer a demulcent like alumina gel. Mepridine and atropine are indicated for control of pain and gastrointestinal spasm. In severe cases continuous suction by nasal-gastric tube should be considered. As with the ingestion of all strong local irritants, the possibility of glottic edema should be kept in mind. The administration of corticosteroids or ACTH as an aid in the prevention of oesophageal stricture is recommended. Other treatment is also symptomatic and supportive and the physician should be guided by clinical signs.

In cases of inhalation, removal from contamination usually suffices.

In rare cases of severe over exposure with laryngo and bronchospasm, inhalation of a spray or aerosol of 1% epinephrine or 0.25% isoproterenol may be helpful.

DIRECTIONS FOR USE: Use only as directed.

General information:

- **Dilone AL** will control nematodes that are present in the soil treatment zone at time of fumigation. It will not control nematodes that are introduced into the soil after fumigation.
- It is recommended to determine the type and number of nematodes present in the soil before treatment with **Dilone AL**.
- When high nematode populations are present, control may be variable.
- It is recommended to sample the soil for nematodes after treatment to determine the need for additional pest management practises, e.g. foliar application.

Compatibility:

Do not mix **Dilone AL** with other agricultural chemicals.

Mixing instructions:

Dilone AL is applied as a concentrate and is not diluted with water.

Application:

- All stalks, leaves and roots of the previous crop must be removed from the land before treatment.
- The soil must be moist, in good tilth and free of clods.
- **Dilone AL** must be placed into the soil between 30cm and 40cm from the surface.
- Do not apply to excessively wet soil or when soil temperatures are below 6°C.
- Fumigation is more effective if the soil is sealed by rolling and/or light overall irrigation immediately after application.
- Allow at least 14 days between treatment and planting the next crop.
- Do not apply closer than a metre from growing roots of established plants and trees.
- Avoid re-infestation of treated lands with nematodes in contaminated seedlings, equipment and boots, irrigation or flood water, and manure. This includes the introduction of untreated soil into the treated zone.

Sealing the soil after application:

- Immediately after the chisel application of **Dilone AL** the soil must be “sealed” to prevent fumigant loss and ensure that an effective concentration of fumigant is maintained within the soil profile for a period of several days.
- For broadcast treatment (flat fumigation), sealing can be accomplished with equipment that will uniformly mix the soil to a depth of 8 to 10cm. This will cover chisel or plough traces that can allow the fumigant to escape. A tandem disc or similar equipment may be used for this purpose.
- For row treatment and the forming of planting beds at the time of application: treatment should place the fumigant at least 30cm from the nearest soil surface.

Soil fumigation to planting interval:

- After application of **Dilone AL** the treated soil must be undisturbed and unplanted for at least 14 days. A longer undisturbed period is required if the soil becomes cold or wet.
- After the fumigation period of at least 14 days, allow the fumigant to dissipate completely before planting the crop. To hasten dissipation, especially if heavy rains or low temperatures have occurred, cultivate the soil to the depth of fumigant application. Do not cultivate deeper than the fumigation was applied.
- Dissipation is usually complete when the odour of **Dilone AL** is no longer evident at the application depth. Do not plant any crop if the odour of **Dilone AL** is present within the zone of fumigation.

Fruit orchards and vineyards:

There must be a minimum of 12 months between the removal of the previous crop and soil fumigation.

Fertilisers:

- Fumigation may temporarily raise the level of ammonia nitrogen and soluble salts in the soil. This is most likely to occur when heavy rates of fertiliser and fumigant are applied to soils that are cold, wet, acidic or high in organic matter.
- Avoid injury to plant roots by applying the recommended fertiliser after fumigation.
- To avoid ammonia injury or nitrate starvation, or both, to crops in high organic soils, do not use fertiliser containing ammonium salts and use only fertiliser containing nitrates, until after the crop is well established and the soil temperature is above 18°C.

Use precautions:

- **Dilone AL** is corrosive to metal under certain conditions. Flush all application equipment with diesel or a similar solvent immediately after use. Do not contaminate crops, rivers, dams and grazing with rinsate.
- Fill pumps and meters with new motor oil or a 50% motor oil/fuel oil mixture before storing application equipment.
- Do not use containers, tanks, split nozzles, pumps or other spray equipment made of aluminium, magnesium or their alloys, as under certain conditions **Dilone AL** may be severely corrosive to these metals.
- Keep container tightly closed when not in use.

Buffer zone and annual crops:

Do not apply within 1 metre of annual crops or an established tree root zone or under trees.

Crop guidelines:

Potatoes (Seed and Table)

The **Dilone AL** dosage depends on the nematode infestation level, which is determined by the soil sample analysis. An additional nematicide application after emergence may be applied when prolonged control is required.

Pre-harvest tuber sampling for nematodes is recommended. If the nematode population is high enough to damage the crop, the potatoes must be harvested early. Do not store potatoes with a detectable nematode infestation.

Perennial crops:

Soil samples for nematode infestation (species and numbers) must be taken before the previous crop is removed and before the establishment of new fruit orchards and vineyards. The infestation levels will determine dosage rate for **Dilone AL** as well as the necessity for additional nematicide treatments.

CROP/PEST	DOSAGE	REMARKS
Annual Crops Potatoes Tomatoes Plant Parasitic nematodes	600 - 1 000mℓ per 100m plant row 60 - 100ℓ/ha	Apply to the plant row 40cm below final soil surface not later than 14 days before planting. The dosage rate depends on the level of nematode infestation. Apply higher dose rate when the nematode population is high. See “Direction for use” above. Row Treatment: Apply to a single row. Overall Treatment: The application tines must be placed 30cm apart and each outlet must deliver 180 to 300mℓ/100m row length.
Perennial Crops Pineapples Plant Parasitic nematodes	1.5ℓ/100m planting ridge 150ℓ/ha 2.25ℓ/100m planting ridge 225ℓ/ha	Eastern Cape Do not exceed 150ℓ/ha (see “General information” under Directions for Use). Allow at least three weeks between application and planting. Ridge Treatment: Apply to 2 or 3 evenly spaced rows per ridge. <u>2 rows/ridge:</u> Apply 750mℓ/100m. <u>3 rows/ridge:</u> Apply 500mℓ/100m. Overall Treatment: The tines must be placed 30cm apart and each outlet must deliver 450mℓ/100m row length. KwaZulu Natal: Do not exceed 225ℓ/ha. (See General information under Directions for use). Allow at least three weeks between application and planting. Ridge Treatment: Apply to 2 or 3 evenly spaced rows per ridge. <u>2 rows/ridge:</u> Apply 1 125mℓ/100m. <u>3 rows /ridge:</u> Apply 750mℓ/100m. Overall Treatment: The tines must be placed 30cm apart and each outlet must deliver 675mℓ/100m row length.
Before the establishment of Orchards, Vineyards and Nurseries Plant Parasitic nematodes	150 - 200ℓ/ha	Allow at least 12 months between the removal of the previous crop and treatment. After final soil preparation, apply as an overall treatment during autumn, but not later than 3 weeks prior to planting. The soil must be damp, well prepared and free of clods and plant material. Apply to a depth of 30 to 35cm. The implement outlets should be placed 30cm apart. To apply at the recommended rates, each outlet must deliver 450 to 600mℓ over 100 metres. The dosage depends on infestation level. See “Directions for use” above.