

QA-KILL

Reg. no. ACT29GNR 529/243642/040/344

A contact active liquid agricultural disinfectant / plant sanitiser active against pathogenic micro-organisms; bacteria.

ACTIVE INGREDIENT

Generic Didecyl Dimethyl Ammonium Chloride....150g/L

Manufactured by ICA International Chemicals, P.O. Box 2312, Stellenbosch, 7601.

GENERAL INFORMATION

- The stability and efficacy of QA-Kill is not pH dependable and can also be used with fertigated irrigation water.
- QA-Kill stays active as long as it is in solution.

IMPORTANT

- QA-Kill is not compatible with concentrated anionic compounds.
- QA-Kill is a disinfectant and when applied as a Plant Sanitiser it reduces the overall pathogenic micro-organism load on the foliage on contact without leaving any residual activity. When QA-Kill is used as a foliage spray to sanitise plant surfaces, apply at a rate of 500 - 1500L spray mixture per hectare, depending on plant size. Ensure that both upper and lower leaf surfaces are treated.
- Take note that although numerous phytotoxicity trials were done it is impossible to verify the sensitivity of all the different crop varieties to QA-Kill. It is therefore recommended to first test known Agrochemical sensitive varieties before use on big scale.

WARNINGS

- Handle with care.
- Do not ingest or inhale mist.
- Avoid contact of the concentrate with skin and eyes.
- Keep out of reach of children, uninformed persons and animals.
- Not to be used for any purpose, contrary to the label directions.
- Do not contaminate streams, rivers or waterways with chemical or used containers.
- Store in cool place away from food and foodstuffs.

Although this remedy has been extensively tested the manufacturer 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, incompatibility with other substances and time and accuracy of application. The manufacturer furthermore does not accept responsibility for damage of crops, vegetation, the environment or harm to man or animal or 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 during evaluation of the product. Consult the supplier in the event of any uncertainty.

PRECAUTIONS

- Wash with soap and water after use or skin contact.
- Wear gloves and face shield when handling concentrate.
- If swallowed drink large amounts of water.
- If fumes are inhaled move person to uncontaminated area.
- Do not eat, drink or smoke whilst handling product or before washing hands and face.
- Prevent contamination of food, feed, eating utensils, drinking water, rivers and dams.
- Destroy empty container and do not re-use for any other purpose.

DIRECTIONS FOR USE

USE ONLY AS DIRECTED

DISINFECTING OR SANITISING OF:	DOSAGE PER 100 L WATER	REMARKS
1. DIPPING TANKS The following Fruit and Vegetable surfaces and the water during post-harvest dipping: Apple, Asparagus, Avocado, Brussels, Butternut, Citrus, Guava, Mango, Melon, Papaya, Pears, Potato, Pepper, Pumpkin, Sweet corn, Tomato, ect. Flower bulbs for storage	100 - 150 ml	Dip for 5 minutes. Under heavy agitation (e.g. hydrocoolers) foam may form and the defoaming agent, Foam Fighter, may be useful. The QA-Kill solution can be used for up to 3 days if the water remains of an acceptable quality.
2. Growing medium (inert or non-organic), equipment such as pruning shears, ploughs, hands, footbaths, etc.	1000 ml	Make sure that all surfaces are exposed to the QA-Kill solution.
3. Cold rooms, Packing sheds, Greenhouses, Seedtrays, other hard surfaces like picking bins, etc.	150 - 200 ml	First remove all organic matter from surfaces and keep wet with QA-Kill solution for over 10 minutes for best results.
4. The following Crops, as an overhead foliar spray:		
Brassicas, Carrots, Cucurbits, Green & Dry Beans, Lettuce, Onion, Paprika, Peas, Peppers, Potatoes, Strawberries, Tomatoes.	100 ml	First application after transplant of seedlings or 6 weeks after seeding. Apply at 10 day intervals.
Flowers: Carnation, Chrysanthemum, Gypsophila, Outdoors Roses	50 - 100 ml	First application after transplant of seedlings or 6 weeks after seeding. Apply at 10 day intervals.
Greenhouse grown Roses	50ml	Apply at 14 day intervals.
Wine Grapes	50 - 100ml	First application after full bloom. Apply at 14 days intervals.
Table Grapes	50ml	First application after full bloom. Apply at 14 days intervals.
Deciduous fruit	50ml	Can be applied from before bud stage through growing season with 14 day intervals.
Post-harvest orchard hygiene of Citrus, Deciduous fruit, Table and Wine grapes	100ml	Apply after harvest to decrease orchard pathogen population as well as shortly before leaf drop to decrease the overwinter pathogen population. Apply at high spray volumes to ensure thorough wetting of foliage and stems.
Seedling & Nursery stock	25ml	First application after first true leaf expansion. Apply at 7 day intervals.
5. Water for post-harvest treatment of cut flowers in containers. Water in Wetwalls	150 ml 10ml (constant dosing)	The solution can be used 7 - 10 days if kept clean. Do not keep cut flowers in solution for longer than 48 - 72 hours. If Wetwall is heavily contaminated start with shock treatment of 200 ml per 100 L of water

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Distributed by

HYGROTECH

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