

SPOREKILL™

AGRICULTURAL DISINFECTANT / PLANT SANITISER

Reg. no. ACT29GNR529/27555/070/210

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

ACTIVE INGREDIENT:

Didecyl Dimethyl Ammonium Chloride.....120g/L

(Patented product)

Manufactured and registered by ICA International Chemicals (Pty)Ltd., Reg. no. 2001/013319/07, P.O. Box 2312, Stellenbosch, 7601

GENERAL INFORMATION

- The stability and efficacy of Sporekill is not pH dependable and can also be used with fertigated irrigation water.
- Sporekill stays active as long as it is in solution.
- A Sporekill Test Kit is available to measure the active Sporekill in vegetable and fruit dipping tanks.
- Sporekill has wetting characteristics.

GENERAL INSTRUCTIONS

- Sporekill is not compatible with concentrated anionic compounds.
- Sporekill is not recommended to be used in circulating hydroponic systems if no organic growing medium is present.
- Sporekill is a disinfectant and when applied as a plant sanitiser it reduces the overall pathogenic load on the foliage on contact without leaving any residual activity. When Sporekill 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. (Higher volumes per hectare is necessary for tree crops.) Ensure that both upper and lower leaf surfaces are treated. It is important to note that Sporekill should be incorporated into a normal fungicidal programme for adequate disease control.
- Take note that although numerous phytotoxicity trials were done it is impossible to verify the sensitivity of all the different crop varieties to Sporekill. It is therefore recommended to first test known Agrochemical sensitive varieties before use on big scale.
- When used in post-harvest dump tanks remember Sporekill has no residual action and assists in post-harvest decay management by killing pathogens in drenches & dump tanks and on fruit surfaces. For effective disease control registered fungicides must still be used. **Fruit and vegetables must not be left in dump tank during any disruption of production. This could result in serious burning of sensitive fruit.**
- Do not use Sporekill in hot water fungicide dipping tanks. This may result in serious burning of sensitive fruit.
- Shake before use.

WARNINGS

- Keep the product out of reach of children. Store in cool place away from food and foodstuffs.
- Although this remedy has been extensively tested 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, incompatibility with other substances and time and accuracy of application. The registration holder 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

- Do not inhale mist or swallow the remedy.
- Can cause eye and skin irritation.
- Use gloves if constant exposure of hands to product.
- Destroy empty container and do not re-use for any other purpose.
- For additional information refer to MSDS

DIRECTIONS FOR USE

USE ONLY AS DIRECTED

DISINFECTING OR SANITISING OF:	DOSAGE PER 100 L WATER	REMARKS
DIPPING TANKS (cold water) The following fruit and vegetable surfaces and the water during post-harvest dipping: Apple, Asparagus, Avocado, Broccoli, Brussels, Butternut, Citrus, Guava, Leeks, Mango, Melon, Papaya, Pears, Pepper, Persimmons, Potato, Pumpkin, Sweet corn, Sweet Potato and Tomato.	100 - 150 ml	Dip for 2 - 5 minutes. Under heavy agitation (e.g. hydrocoolers) foam may form and the defoaming agent, Foam Fighter, may be useful. The Sporekill solution can be used for up to 3 days if the water remains of an acceptable quality. A Sporekill test Kit is available to measure the active Sporekill in dipping tanks. Also see "General instructions".
Macadamia nuts (in-shell)	300 ml	Dip and confirm concentration regularly with a Sporekill Test Kit.
Post harvest dipping of Flower Bulbs for storage	100 - 150 ml	Use as an initial knock-out action together with a fungicide for prolonged action.
Water in Greenhouse Wetwalls	10ml (continuous dosing)	To disinfect wetwalls for the first time give shock treatment of 100 - 200 ml per 100L water. Thereafter continue with dosage as recommended.
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 Sporekill solution.
Cold rooms, Packing sheds, Greenhouses, Seedtrays, other hard surfaces like picking bins, etc.	100 - 200 ml	First remove all organic matter from surfaces and keep wet with Sporekill solution for over 10 minutes for best results.
Water in Spray tanks.	10ml	After addition of Sporekill allow 20min exposure time for optimum results to dramatically reduce bacterial and fungi counts, including coliforms and <i>E. coli</i> .
Irrigation water for use in nurseries, greenhouses, misting systems, etc.	2ml (continuous dosing)	When dosing for the first few times the dirt/algae/organic matter will be discharged and may clog drippers or splitters. Therefore, rinse irrigation pipes frequently. Sporekill can be used in fertigated water. Take note the cleaner the water to be treated the better the results.
Water for post-harvest treatment of cut flowers in containers.	150ml	The solution can be used 7 - 10 days if kept clean. Do not keep cut flowers in solution for longer than 48 - 72 hours.
The following Crops, as an overhead foliar spray:		Also see "General Instructions"
Aparagus, Beans (dry & green), Brassicas, Carrots, Celery, Cucurbits, Leeks, Lettuce, Onion, Paprika, Peas, Peppers, Potatoes, Spinach, Strawberries and Tomatoes.	50 - 100 ml	First application after transplant of seedlings or 6 weeks after seeding. Apply at 10 day intervals. An application of 100ml \ 100L prior to harvest will also disinfect foliage of pathogenic organisms such as <i>E. coli</i> .
Cut Flowers: Carnation, Chrysanthemum, Gypsophila, Outdoors Roses	50 - 100 ml	First application after transplant of seedlings. Apply at 7 - 10 day intervals.
Greenhouse grown Roses	50 ml	Apply at 7 - 10 day intervals.
Wine Grapes	50 - 100 ml	First application after full bloom. Apply at 14 days intervals.
Table Grapes	50 ml	First application after full bloom. Apply at 14 days intervals.
Deciduous fruit	50 ml	Can be applied from before bud stage through growing season with 14 day intervals.
Subtropical and Citrus	100 ml	Can be applied from any stage through growing season with minimum of 14 day intervals. For citrus, to decrease the overall post harvest decay pathogen load, apply a full cover spray up to 7 days before harvest.
Post-harvest orchard hygiene of Deciduous fruit, Citrus, Subtropical fruit, Table and Wine grapes	100 ml	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.
Aerial application on crops such as beans and potatoes		Apply 500 - 750ml Sporekill in 25 - 50L water per hectare.
Centre pivot application on crops such as beans and potatoes		Apply 2L Sporekill in 10 000 - 20 000 L water, per hectare.
Seedling & Nursery stock	25 ml	First application after true leaf expansion. Apply at 7 - 10 day intervals.

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Distributed by

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