

SPOREKILL™

Reg. No. L 7115 Act No. 36 of 1947

A soluble concentrate contact bactericide & fungicide for the:

- Control of Powdery Mildew in Cucurbit crops;
- Control of post harvest decay in Apples and Pears caused by *Penicillium expansum*;
- Control of Anthracnose in Avocado and Mango fruit, caused during the washing process, by controlling dump tank borne *Colletotrichum gloeosporioides*.
- Control of Green & Blue mould and Sour rot in citrus fruit, caused during the washing process, by controlling dumptank, pre-degreening drench or high pressure washing system borne *Penicillium digitatum*, *P. italicum* (including *Penicillium* strains resistant to Imazalil) and *Geotrichum candidum*.
- Control of Bacterial soft rot and contamination of potato seed tubers, caused during washing or dip treatment process, by controlling water borne *Erwinia carotovora* subsp. *carotovora*.

ACTIVE INGREDIENT:

Didecyldimethylammonium chloride120 g/ℓ
(Quaternary ammonium compound)

Manufactured and registered by, ICA International Chemicals (Pty) Ltd, Reg nr. 2001/013319/07
PO Box 2312, Stellenbosch, 7601

CAUTION

WARNINGS

- Do not harvest cucurbits within 2 days after last application.
- Irritating to eyes and skin.
- Toxic to fish and other aquatic organisms.
- Store in cool place away from food, feed, food utensils and drinking water.
- Keep out of reach of children, animals and uninformed people.

Although this remedy has been extensively tested, the registration holder does not warrant that it will be efficacious under all conditions because the action 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 disease to the remedy concerned as well as by the method, time and accuracy of 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 the event of any uncertainty.

PRECAUTIONS

- Prevent contact with eyes and skin.
- Do not inhale spray mist or vapours or swallow the remedy.
- In case of eye contact wash eyes with running water for at least 15 minutes.
- Wash with soap and water after skin contact with concentrate.
- Wear rubber gloves and face shield when handling concentrate.
- Do not eat, drink or smoke whilst handling product or before washing hands and face.
- Prevent spray drift onto and contamination of rivers, dams, grazing, crops and areas not under treatment.
- Clean application equipment after use and do not contaminate grazing, crops, rivers and dams with wash water.
- Prevent contamination of food, feed, eating utensils and drinking water.
- Rinse empty container three times with a volume of water equal to 10 % of container. Add the rinsings to the contents of the spray-tank before destroying the container by perforation and deliver to authorized landfill or burying (>500 mm). Do not burn or use container for other purposes.

DIRECTIONS FOR USE

USE ONLY AS DIRECTED

CROP	DISEASE	DOSAGE	REMARKS
Cucurbit crops (Only Western Cape)	Powdery Mildew (<i>Sphaerotheca fuliginea</i> & <i>Erysiphe cichoracearum</i>)	100 ml per 100 ℓ water	Apply preventively at 7-12 days intervals. Under high disease pressure spray every 7 days and include a systemic fungicide into program. Ensure thorough coverage of both upper and lower leaf surfaces. Do not apply more than 4 times when fruit are present.
Apples en Pears (Post-harvest treatment)	Post-harvest decay caused by <i>Penicillium expansum</i>	100 ml per 100 ℓ water	Dip or drench fruit after harvest or regular atmosphere (R.A.) storage. Not for use after controlled atmosphere (C.A.) storage. For best results keep fruit wet for at least 10 min. Keep Sporekill concentration at recommended rate by using "Sporekill Test Kit"
Avocado (Post-harvest treatment)	Anthrachnose, caused during washing process in dumptank by <i>Colletotrichum gloeosporioides</i>	100 - 150 ml per 100 ℓ water	Dip fruit for 3-5 min. Use higher rate under conditions conducive to high disease pressure. Keep Sporekill concentration at recommended rate by using "Sporekill Test Kit".
Mango (Post-harvest treatment)	Anthrachnose, caused during washing process in dumptank by <i>Colletotrichum gloeosporioides</i>	100 - 150 ml per 100 ℓ water	Dip fruit for 3-5 min. Use higher rate under conditions conducive to high disease pressure. Keep Sporekill concentration at recommended rate by using "Sporekill Test Kit".
Citrus (Post-harvest treatment)	Green & Blue mould and Sour rot, caused during washing process in dumptank, pre- degreening drench or high pressure washing system by <i>Penicillium digitatum</i> , <i>P. italicum</i> , <i>Geotrichum candidum</i> including Imazalil-resistant <i>Penicillium</i> populations.	100 - 150 ml per 100 ℓ water	Dip fruit for 3-5 minutes as soon as possible after harvest. Use higher rate under conditions conducive to high disease pressure. Keep Sporekill concentration at recommended rate by using "Sporekill Test Kit.
Seed Potato tubers (Pre-plant treatment)	Bacterial soft rot caused by contamination of tubers during the washing and dip treatment process, by controlling of water borne <i>Erwinia carotovora</i> subsp <i>carotovora</i> .	150 ml per 100 ℓ water	Dip tubers 3-5 minutes. Replace solution when water is too dirty. Treat only whole potato tubers. Keep Sporekill concentration at recommended rate by using "Sporekill Test Kit".

GENERAL INSTRUCTIONS

1. No wetters need to be added since Sporekill have wetting characteristics.
2. Do not mix Sporekill with concentrated anionic compounds. Consult the supplier in the event of any uncertainty.
3. The stability and efficacy of Sporekill is not pH dependable.
4. During post-harvest wash of avocado, citrus and mango, fruit must not be left in dumptank for long periods. This may result in serious burning of sensitive fruit.
5. Take note, Sporekill controls post-harvest decay in citrus and mango fruit induced by infections taking place during the washing process. The use of registered fungicides to control post-harvest decay caused by orchard infections still need to be applied.
6. Do not use Sporekill in hot water dumptanks. This may result in serious burning of sensitive avocado, citrus and mango fruit.
7. Under heavy agitation foam may develop. Use anti-foam product, Foam Fighter, if necessary.
8. Shake concentrate before use.

Distributed by

HYGROTECH

HYGROTECH PROPERTIES (PTY) LTD
Reg. No. 84/00638/07

1 Gerhard Braak St, Pyramid, P.O. Box 17220, Pretoria North 0116, Tel: (012) 545 8000, Fax: (012) 545 0150

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