

KANEMITE™ 15 SC

MITICIDE

GROUP	20B	ACARICIDE
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FOR USE ON FIELD GROWN ORNAMENTALS AND POME FRUIT

AGRICULTURAL

CAUTION

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL BEFORE USING

GUARANTEE:

Acequinocyl.....15.8%

Contains 1,2-benzisothiazolin-3-one at 0.038% and chlorothalonil at 0.05% as preservatives

REGISTRATION NUMBER 28641

PEST CONTROL PRODUCTS ACT

NET CONTENTS: 5 Litres

Arysta LifeScience North America Corporation
15401 Weston Parkway, Suite 150
Cary, NC 27513

For Product Use Information: 1-866-761-9397

GENERAL INFORMATION

KANEMITE 15 SC MITICIDE is a miticide for the control of Two-spotted spider mite (*Tetranychus urticae*) and Spruce spider mite (*Oligonychus ununguis*) on field ornamentals. This product also controls Two-spotted spider mite (*Tetranychus urticae*) and European red mite (*Panonychus ulmi*) on pome fruit. When applied to the foliage as directed, KANEMITE 15 SC MITICIDE provides quick knockdown and long residual control.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, please note that KANEMITE 15 SC MITICIDE contains a Group 20B acaricide. Any mite population may contain individuals naturally resistant to KANEMITE 15 SC MITICIDE and other Group 20B acaricides. The resistant individuals may dominate the mite population if this group of acaricides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay acaricide resistance:

- Where possible, rotate the use of KANEMITE 15 SC MITICIDE or other Group 20B acaricides with different groups that control the same pests in a field.
- Avoid application of more than the maximum number listed in the label and consecutive sprays of KANEMITE 15 SC MITICIDE or other acaricides in the same group in a season.
- Use tank mixtures with acaricides from a different group when such use is permitted.
- Acaricide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Arysta LifeScience North America Corporation at 1-866-761-9397.

PLANT TOLERANCE

Neither the manufacturer nor the seller has determined whether or not KANEMITE 15 SC MITICIDE can be used safely on all varieties and cultivars. KANEMITE 15 SC MITICIDE has been tested on a variety of plants with no phytotoxicity observed at label rates. Since all plant species and their varieties and cultivars have not been tested for tolerance, it is recommended that a small number of plants be sprayed to make certain that no phytotoxicity occurs, prior to any large scale application to plants. The end user assumes all risks arising from application of KANEMITE 15 SC MITICIDE in a manner inconsistent with its labeling. Do not apply to miniature roses and impatiens.

DIRECTIONS FOR USE

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Airblast application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** direct spray above plants to be treated. Turn off outward pointing nozzles at row ends and outer rows. **DO NOT** apply when wind speed is greater than 16 km/h at the application site as measured outside of the treatment area on the upwind side.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) fine classification.

DO NOT apply by air.

Buffer zones:

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:			
		Freshwater Habitat of Depths:		Estuarine/Marine Habits of Depths:	
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m
Field sprayer*	Field floral, foliage and nursery crops	2	1	10	4
	Roses (not miniature roses)	1	1	5	2
Airblast (early growth stage)	Apple, pear	15	5	35	30
Airblast (late growth stage)	Apple, pear	5	3	30	20

* For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy or ground, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy or ground, the labelled buffer zone can be reduced by 30%.

PREPARATION OF SPRAY SOLUTION

Begin with clean equipment. Add sufficient clean water to the spray tank for one-half of the mix load. Start tank agitation. Add and properly suspend the necessary amount of product before adding any other products. Agitate to ensure thorough mixing while adding the remaining required water. Maintain agitation during mixing and application. **DO NOT** allow the spray mixture to stand without agitation. If agitation is stopped for any reason, the spray solution must be thoroughly re-mixed prior to any further use. Apply with properly calibrated spray equipment.

APPLICATION

Apply KANEMITE 15 SC MITICIDE when treatment thresholds have been reached, as determined by local monitoring. Do not wait until large mite populations have been established.

Thorough coverage is required for optimum control. To achieve adequate coverage use proper spray pressures, nozzles and nozzle spacing. For pome fruit, apply KANEMITE 15 SC MITICIDE in sufficient water volume to ensure uniform and thorough coverage of foliage.

When used as directed, KANEMITE 15 SC MITICIDE is effective for the control of listed mite species, but is not effective against rust mites. KANEMITE 15 SC MITICIDE shows efficacy on all mite life stages of susceptible mites. Using KANEMITE 15 SC MITICIDE in successive miticide applications recommended. Use KANEMITE 15 SC MITICIDE as part of a sound resistance management program that includes rotation with other miticide treatments having different modes of action.

FIELD ORNAMENTALS

For control of Two-spotted spider mite (*Tetranychus urticae*) and Spruce spider mite (*Oligonychus ununguis*) mix 0.21 – 0.46 L of KANEMITE 15 SC MITICIDE in 500 L of water (0.07-0.15g ai/L of solution) and apply as a full coverage spray to the foliage to drip except for roses where the maximum application rate is 0.21 L in 500 L of water (0.07g ai/L of solution) (Table 1. and 2.). Actual spray volume will vary depending on the size of plants being sprayed. Application should be made as soon as the mite population reaches economic infestation levels. Apply the higher concentration for heavy pest infestations.

**Table 1. Application Rate For Field Floral, Foliage and Nursery Crops*
(For Roses See Table 2)**

PEST	Rate of product per 500 L of water
Two-spotted spider mite (<i>Tetranychus urticae</i>) Spruce spider mite (<i>Oligonychus ununguis</i>)	0.21 - 0.46 L (0.07 - 0.15g ai/L of solution)

* Do not apply to impatiens.

Table 2. Application Rate for Field Roses (Except Miniature Roses)**

PEST	Rate of product per 500 L of water
Two-spotted spider mite (<i>Tetranychus urticae</i>)	0.21 L (0.07g ai/L of solution)

**Do not apply to miniature roses.

POME FRUITS (APPLES AND PEARS)

PEST	Rate of product per HA***	Comments
Two-spotted spider mite (<i>Tetranychus urticae</i>) European red mite (<i>Panonychus ulmi</i>)	2.1 L/ha (0.34 kg ai/ha)	<ul style="list-style-type: none"> Allow a minimum of 21 days between applications of KANEMITE 15 SC MITICIDE and apply only when thresholds are reached as determined through monitoring. Pre-Harvest Interval (PHI): 14 days Restricted Entry Interval (REI): 12 hours.

***The application rate should be based on amount of product applied per hectare, applied in the appropriate water volume to achieve thorough coverage of all plant surfaces. For example,

if you apply 3000 litres of water per hectare thoroughly mix 2.07 L of product in 3000 litres of water and apply for coverage of all above-ground plant surfaces. Use care in mixing and application to avoid exceeding 2.07 L of product per hectare regardless of the selected spray volume.

RESTRICTION AND LIMITATIONS

- Maximum seasonal use rates:

For Pome Fruit, do not apply more than a total of 4.1 L of KANEMITE 15 SC MITICIDE per ha (0.675 kg ai/ha) per season.

For Field Floral, Foliage and Nursery Crops, do not apply more than 4.1 L of KANEMITE 15 SC MITICIDE (0.675 kg ai/ha) per crop cycle.

For Roses, do not apply more than 2.07 L (0.338 kg ai/ha) per crop cycle.

- Do not make more than two applications of KANEMITE 15 SC MITICIDE per year.
- Do not apply KANEMITE 15 SC MITICIDE by air.
- Do not apply this product through any type of irrigation system.
- For pome fruit, do not use less than 1000 L of water volume per ha as a dilute application.
- Use KANEMITE 15 SC MITICIDE in rotation with other treatments having different modes of action.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN AND UNAUTHORIZED PERSONNEL.

Avoid contact with eyes. Wash concentrate from eyes IMMEDIATELY. Do not inhale fumes. Avoid breathing vapors or spray mist. After use wash hands and other exposed skin. When using do not eat, drink or smoke. Remove and launder contaminated clothing separately from household laundry before reuse. Avoid spray drift. Avoid contamination of ponds, streams, rivers and desirable vegetation. Store the container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs. Observe appropriate provincial buffer zones around bodies of water and wetland areas. Wear a long-sleeved shirt, long pants and gloves during mixing, loading, clean-up and repair and when using handheld application equipment. Wear long-sleeved shirt and long pants during applications with groundboom and airblast equipment. Do not enter or allow worker entry into treated areas for 12 hours following application.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

FIRST AID

Remove person from contaminated area; remove contaminated clothing. Keep patient warm, comfortable, and at rest.

If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison

control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE,
CALL 1-866-303-6952**

TOXICOLOGICAL INFORMATION

Treat symptomatically.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms. Observe buffer zones specified under **DIRECTIONS FOR USE**.

For reduced runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted or fine textured such as clay).

Avoid application of this product when heavy rain is forecasted.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

STORAGE

May be stored at ambient temperature. Keep in original container. This product should not be stored under extreme temperatures. To close package, make sure the package is folded to form an airtight seal and store under dry conditions. Insecticides and fungicides should be segregated from herbicides to prevent the possibility of cross-contamination. To prevent contamination, store this product away from food or feed.

SPILL HANDLING

Clean up spill immediately. Place product and any contaminated cleanup materials in a chemical waste container. Wash area with soap and water. Pick up wash liquid with additional absorbent and place in a disposable container.

**FOR 24-HOUR CHEMICAL EMERGENCY (Spills, Leak, Fire, Exposure, or Accident)
Assistance, Call CHEMTREC 1-800-424-9300.**

DISPOSAL

Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product contact the manufacturer or the provincial regulatory agency. Contact the

manufacturer and the provincial regulatory agency in case of a spill and for clean up of spills.

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offense under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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