

PMRA Approved PH
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KANEMITE® 15 SC

MITICIDE

GROUP	20B	ACARICIDE
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FOR USE ON POME FRUIT, FIELD GROWN ORNAMENTALS, CANEBERRY, DRY SHELLLED BEAN, FIELD GROWN EGGPLANT, SUMMER SQUASH, TREE NUTS AND HOPS

**AGRICULTURAL
Suspension**

KEEP OUT OF REACH OF CHILDREN

READ THE LABEL BEFORE USING

ACTIVE INGREDIENT:

Acequinocyl15.8%
Contains 2-bromo-2-nitropropane-1,3-diol at 0.009%, 2-methyl-4-isothiazolin-3-one at 0.0006%, and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0014% as preservatives

REGISTRATION NUMBER 28641

PEST CONTROL PRODUCTS ACT

NET CONTENTS: 5 Litres

**Arysta LifeScience North America, LLC.
15401 Weston Parkway, Suite 150
Cary, NC 27513**

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

**FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL PROPHARMA:
1-866-303-6952 or +1-651-603-3432.**

**FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure, or accident) CALL
CHEMTREC: 1-800-424-9300 or +1-703-527-3887.**

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, and Two-spotted spider mite (*Tetranychus urticae*) on caneberry, dry shelled bean, summer squash and tree nuts. **KANEMITE 15 SC MITICIDE** controls spider mites, including Two-spotted spider mite (*Tetranychus urticae*) in hops. It also controls Broad Mite (*Polyphagotarsonemus latus*) on dry shelled bean and summer squash. 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, LLC 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

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 is not 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.

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. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply using aerial application equipment.

Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

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 Habitats 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, caneberry, dry shelled bean, field grown eggplant, summer squash	2	1	10	4
	Roses (not miniature roses)	1	1	5	2
Airblast (early growth stage)	Apple, pear, tree nuts	15	5	35	30
Airblast (late growth stage)	Apple, pear, tree nuts	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%.

For tank mixes, consult the labels of the tank mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

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.

POME FRUITS (APPLES AND PEARS)

For control of Two-spotted spider mite (*Tetranychus urticae*) and European red mite (*Panonychus ulmi*) apply 2.07 of **KANEMITE 15 SC MITICIDE** per hectare as a full coverage spray to the foliage. Thorough coverage is essential for effective control of Two-spotted spider mite and European red mite. Actual spray volume will vary depending on the size of trees being sprayed. Application should be made as soon as the mite population reaches economic infestation levels.

PEST	Rate of product per HA***	Comments
Two-spotted spider mite (<i>Tetranychus urticae</i>) European red mite (<i>Panonychus ulmi</i>)	2.07 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.

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.). Thorough coverage is essential for effective control of Two-spotted spider mite and Spruce spider mite. 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.

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Arysta LifeScience North America, LLC (ARYSTA) under the User Requested Minor Use Label Expansion program. For these uses, ARYSTA has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

CROP SUBGROUP 13-07A: CANEBERRY

Thorough spray coverage is required for optimum control. For control of Two-spotted spider mite (*Tetranychus urticae*) mix **KANEMITE 15 SC** in 468 - 1871 L of water and apply as a full coverage spray to the foliage to drip. 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.

CROP SUBGROUP 13-07A: Caneberry (Blackberry; Loganberry; Raspberry, Black And Red; Wild Raspberry; Cultivars, Varieties, and/or Hybrids Of These)

PEST	Rate of product per HA***	Comments
Two-spotted spider mite (<i>Tetranychus urticae</i>)	2.07 L/ha (0.340 kg ai/ha)	<ul style="list-style-type: none"> • Allow a minimum of 21 days between applications of KANEMITE 15 SC and apply only when thresholds are reached as determined through monitoring. • Pre-Harvest Interval (PHI): 1 day • 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 1000 litres of water per hectare thoroughly mix 2.07 L of product in 1000 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.

Apply as a full coverage spray to the foliage to drip. Actual spray volume will vary depending on the size of the plants sprayed. Apply the higher concentration for heavy pest infestations.

DRY SHELLLED BEAN

Thorough spray coverage is required for optimum control. For control of Two-spotted spider mite (*Tetranychus urticae*) and Broad Mite (*Polyphagotarsonemus latus*) mix **KANEMITE 15 SC** in 468 - 1871 L of water and apply as a full coverage spray to the foliage to drip. 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.

PEST	Rate of product per HA***	Comments
Two-Spotted Spider (<i>Tetranychus urticae</i>) Broad Mite (<i>Polyphagotarsonemus latus</i>)	2.07 L/ha (0.340 kg ai/ha)	<ul style="list-style-type: none"> Allow a minimum of 14 days between applications of KANEMITE 15 SC and apply only when thresholds are reached as determined through monitoring. Pre-Harvest Interval (PHI): 7 day Restricted Entry Interval (REI): 12 hours.
<p>***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 1000 litres of water per hectare thoroughly mix 2.07 L of product in 1000 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.</p>		

FIELD GROWN EGGPLANT

For control of two-spotted spider mite (*Tetranychus urticae*) apply 2.1 L of **KANEMITE 15 SC MITICIDE** per hectare. Recommended water volumes are between 500-1800L. Apply as a full coverage spray to the foliage to drip. Thorough coverage is essential for effective control of Two-spotted spider mite. 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.

Application Rate for Field Grown Eggplant

PEST	Rate of product per HA***	Comments
Two-spotted spider mite (<i>Tetranychus urticae</i>)	2.1 L/ha (0.340 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): 1 day 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 1000 litres of water per hectare thoroughly mix 2.07 L of product in 1000 litres of water and apply for coverage of all above-ground plant surfaces. Use care in mixing and application to avoid exceeding 2.1 L of product per hectare regardless of the selected spray volume.

A plantback interval of 120 days is required for leafy vegetables. A plantback interval of 30 days is required for all other crops other than those listed on the **KANEMITE 15 SC label**.

SUMMER SQUASH

PEST	Rate of product per HA***	Comments
Two-Spotted Spider (<i>Tetranychus urticae</i>) Broad Mite (<i>Polyphagotarsonemus latus</i>)	2.07 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): 1 day 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 1000 litres of water per hectare thoroughly mix 2.07 L of product in 1000 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.

CROP GROUP 14-11 - TREE NUTS (Almond (*Prunus dulcis*), Beech Nut (*Fagus spp.*), Butternut (*Juglans cinerea*), Chestnut (*Castanea spp.*), Chinquapin (*Castanea pumila*), Filbert (hazelnut) (*Corylus spp.*), Hickory nut (*Carya spp.*), Pecan (*Carya illinoensis*), Walnut, black and English (Persian) (*Juglans spp.*), Bur Oak

PEST	Rate of product per HA***	Comments
Two-spotted spider mite (<i>Tetranychus urticae</i>)	2.07 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 2.07 L of product per hectare, thoroughly mix it in 3,000 liters of water and apply for coverage of all above-ground plant surfaces. Use care in mixing application to avoid exceeding 2.07 L of product per hectare regardless of spray volume. Do not use less than 1000 L of water volume per ha as a dilute application.

HOPS

PEST	Rate of product per HA***	Comments
Spider mites, including Two-spotted spider mite (<i>Tetranychus urticae</i>)	2.07 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): 7 days

***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 1000 litres of water per hectare thoroughly mix 2.07 L of product in 1000 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.

Apply as a full coverage spray to the foliage to drip. Actual spray volume will vary depending on the size of the plants sprayed.

RESTRICTION AND LIMITATIONS

- Maximum seasonal use rates:

For Caneberry, Pome Fruit, Hops and Tree Nuts, do not apply more than a total of 4.1 L of **KANEMITE 15 SC MITICIDE** per ha (0.680 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** (0.680 kg ai/ha) per crop cycle.

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

For Field Grown Eggplant do not apply more than a total of 4.1 L of **KANEMITE 15 SC** per ha (680 g ai/ha) per season.

For Summer Squash do not apply more than a total of 4.1 L of **KANEMITE 15 SC MITICIDE** per ha (0.680 kg ai/ha) per season.

For Dry Shelled Bean do not apply more than a total of 4.1 L of **KANEMITE 15 SC MITICIDE** per ha (0.0680 kg ai/ha) per season.

- Do not make more than two applications of **KANEMITE 15 SC MITICIDE** per year.
- Do not apply **KANEMITE 15 SC MITICIDE** using aerial application equipment.
- Do not apply this product through any type of irrigation system.
- For pome fruit and tree nuts, 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, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings. 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 and you require information regarding Maximum Residue Limits for an importing country, please contact Arysta LifeScience North America, LLC.

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 PROPHARMA: 1-866-303-6952 or 1-651-603-3432.

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 (Spill, leaks, fire, exposure, or accident) CALL CHEMTREC: 1-800-424-9300 or 1-703-527-3887.

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.

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