



# Kontos<sup>®</sup>

## The only true systemic insecticide

### Fact Sheet – Ornamentals

Kontos is the latest insecticide from the tetramic acid (group 23) family to be registered in Canada. It is the only true systemic insecticide – offering bidirectional movement in the plant, making it an ideal option for tough to control pests.



Kontos™ can be applied as a foliar spray or drench and is registered for a number of major pests including whiteflies, green peach aphid, citrus mealy bugs, western flower thrips, eunymous scale and spider mites. Kontos is truly systemic being active in both xylem and phloem, moving upward and downward in the entire plant.

**Use Site:** Greenhouse grown ornamentals (excluding conifers) and Outdoor grown ornamentals (excluding conifers).

**Application Interval:** 14-21 days.

**Application Timing:** Make application early to allow the product sufficient time to get in the plant vascular system for optimum protection.

#### RESISTANCE MANAGEMENT

Kontos contains an active ingredient with a mode of action classified as a Group 23 insecticide – lipid biosynthesis inhibitor (LBI). No cross-resistance of Kontos with other commercial insecticides have been reported. DO NOT apply more than two (2) applications of Kontos Insecticide consecutively before alternating to one or more applications of a registered insecticide/miticide with a different mode of action.

#### RESTRICTED ENTRY INTERVAL

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

**Applications/Crop Cycle:** 2 (except cut flowers, 1 only)

#### Advantages of Applying Kontos

- ☑ Both xylem and phloem mobile active
- ☑ Moves to all plant tissues including new shoot, leaf and root growth
- ☑ Long residual - up to 30 days
- ☑ Low risk compound
- ☑ New resistant management tool
- ☑ Soft on beneficials – good fit in IPM
- ☑ Low resistance potential

**ACTIVE INGREDIENT:** Kontos is a suspension concentrate formulation containing 240g/L of spirotetramat.

**PACKAGING:** Kontos is packaged in a 1L container.

**RATES:** See label for details.

**RESTRICTIONS:** Kontos is not recommended for use on geraniums (*Pelargonium* spp.), orchids, hoya, Dracaena, Cordyline, Schefflera, neanthebella palm and ferns.

Do not make more than one application per season to Hydrangea, Impatiens spp. crotons (*Codiaeum* spp.) Fuschia hybrids, Petunia, Peperomia, stock, or cyclamens (*Cyclamen* spp.)

Make applications preventively or when populations are first detected. Kontos will not control heavy established populations.



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## Foliar Applications Ornamentals (dosage in mL product/100 L of water)

Pest	Rate	Comments
Whiteflies, Western flower thrips (suppression), Citrus mealybug	13-26ml/100L	Addition of an adjuvant may improve leaf uptake of the active ingredient - see label for details.
Spider Mites	13ml/100L	Make applications as preventative treatments or to coincide with early threshold levels in developing insect and mite populations.

## Drench Applications Ornamentals (dosage in mL product/100 L of growing media)

Pest	Rate	Comments
Whiteflies	2.5-5ml/100L	Apply product in sufficient volume of water to wet the potting medium without loss of liquid from the bottom of the container.
Western Flower Thrips, Spider Mites	5-10ml/100L	Make applications as preventative treatments or to coincide with early threshold levels in developing insect and mite populations.
Citrus Mealy Bug	3ml/100L	
Green Peach Aphid	2.5ml/100L	
Euonymus scale	7 ml/100L	



### MODE OF ACTION

Kontos is a lipid biosynthesis inhibitor, and is active primarily by ingestion. Most of the activity is against the immature stages of insects. Reproduction of adult insects may also be reduced. No known cross resistance to Kontos and other insecticide modes of action have been reported, making it an excellent tool in a resistance management program.



### ENVIRONMENTAL IMPACT

All pesticides are regulated under the Pest Control Products Act to ensure that they do not pose an unacceptable risk to human health and the environment. For information regarding the pesticide regulatory process, visit Health Canada's Pest Management Regulatory Agency website [www.hc.sc.gc.ca/pmra-arla](http://www.hc.sc.gc.ca/pmra-arla)

### APPLICATION TIPS

- Apply early in the cropping cycle, prior to heavy infestations.
- Use Kontos in a rotational program with Intercept to reduce resistance potential.
- Where label permits, a second application may be necessary 14 days later under heavy infestations.
- Any tank mix combination (including adjuvants), must be evaluated in a small scale trial to determine plant safety before wide scale use.

