

An ideal option for tough-to-control pests

Best uses

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 controlling aphids and whiteflies. Being both xylem and phloem active, this means the systemic activity of Kontos moves both upward and downward in treated plants.

Key strengths

Kontos provides highly-effective control of aphids and whiteflies with true systemic activity. Kontos Insecticide can only be used on plant growth stages for which thorough coverage can be achieved with the maximum spray volume allowed.

Maximum number of applications per cropping cycle: 3

Maximum Kontos Insecticide allowed per crop cycle:
900 mL/ha (216 g a.i./ha)

Minimum application interval: 7-14 days

Registration:

- Greenhouse tomatoes, peppers, cucumbers and eggplants – aphids and whitefly
- Lettuce – aphids

Benefits 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 an Integrated Pest Management (IPM) program
- Low resistance potential



Active ingredient
240 g/L of spirotetramat



Group
23 insecticide



Formulation
suspension concentrate



Packaging
1 L container

Personal protective equipment (PPE)

- Protective eyewear
- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks

Application tips

- Apply early in the cropping cycle, prior to heavy infestations
- Use Kontos in a rotational program with Intercept® to reduce resistance potential
- Be patient as Kontos may take 3–7 days for noticeable control
- A second application may be necessary 7–14 days later under heavy infestations

Pre-Harvest Interval (PHI)	Days
Greenhouse cucumbers, tomatoes, peppers and eggplants	3
Greenhouse lettuce	7

Kontos rate chart

Crop	Pest controlled	Rate
Greenhouse tomatoes, peppers, cucumbers and eggplants	Aphids, whiteflies	30–42 mL Kontos® Insecticide/100 L of water. Maximum of 72 g a.i./ha per application. Do not exceed a spray volume of 712 L/ha (42 mL concentration) – 1000 L/ha (30 mL concentration)
Greenhouse lettuce	Aphids	43–60 mL Kontos®/100 L water with a maximum of 72 g a.i./ha per application

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 has been seen. DO NOT apply more than two (2) applications of Kontos Insecticide 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.

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. There is no known cross-resistance of Kontos with other pesticide mode-of-action groups, making it an excellent part of a resistance management program.

Environmental impact

All pesticides are regulated under the Pest Control Products Act to ensure 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 <https://www.canada.ca/en/health-canada/corporate/about-health-canada/branches-agencies/pest-management-regulatory-agency.html>

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