

Users' guide for lettuce



MOVENTO®

2XSYS

Controlling aphids in field grown lettuce with Movento® and Confidor®

Movento 240 SC Insecticide is a powerful, innovative insecticide for the control of sucking pests in a range of vegetable crops, including lettuce.

The first Group 23 insecticide available in Australia, **Movento** has unique '2-way systemicity': it is distributed through the plant both upwards and downwards, so it can reach the covered inner leaves where lettuce aphids are often found.

Application

Importantly, the introduction of **Movento** makes available an additional insecticide mode of action within each lettuce crop. Foliar in-field spraying of **Movento** following a seedling drench of **Confidor 200 SC** (Group 4A) is a highly effective strategy against lettuce aphid and reduces the risk of developing insect resistance to both products.

Movento needs an adjuvant to help it move through the plant's epidermal layers into the leaf tissue, and penetrant-type adjuvants such as Hasten® are the most effective.

Peak activity is not reached until 7–10 (or more) days after

application, so it is important to apply **Movento** early enough to reach full effectiveness before aphid infestation.

Once **Movento** reaches peak activity, it has demonstrated a long residual effect.

IPM Fit

Movento is highly compatible with IPM production systems. 'Soft' on most beneficial species, it has minimal impact compared to broad-spectrum alternatives, when used as directed.

For management of insecticide resistance, **Movento** should not be applied more than 3 times per crop. For full resistance management guidelines, visit www.croplifeaustralia.org.au

MOVENTO IN LETTUCE CROPS AT A GLANCE

Pests	Brown sowthistle aphid (<i>Uroleucon sonchi</i>), currant lettuce aphid (<i>Nasonovia ribisnigri</i>), and green peach aphid (<i>Myzus persicae</i>).
Rate	200 mL/ha + adjuvant
Spray interval	Not less than 7 days. Retreat at 7–14 days with moderate–heavy pest pressure. Retreat at 14–21 days if pest numbers are low.
Maximum sprays	3
Adjuvant(s)	Penetrant-type adjuvants are recommended e.g. Hasten at 0.5–1 L/ha.
Coverage	Thorough coverage is necessary. Generally about 400–600 L/ha spray volume is appropriate.
Compatibility	Movento is compatible with Belt® 480 SC, Oxydul® 500 DF, Ridomil® Gold MZ, Antracol® 700 WP, Dithane® Rainshield 750 WG, Filan® 500 WG, Marlin® 225 SL. Do not use Hasten adjuvant (or other oil-based adjuvants) when mixing with products containing chlorothalonil.
WHP	1 day
Threshold	Time spray(s) to ensure that no live aphids or carcasses are detectable at harvest. This means spraying before aphids can establish in the heart of the lettuce. Monitor regularly and start sprays at first detection of winged adult aphids. Remember that Movento needs 7–10 days or more to reach peak activity.



The most effective sustainable strategy for eliminating contamination by live aphids or aphid carcasses in harvested lettuce is treating seedlings with Confidor® 200 SC as a seedling drench pre-planting, followed by foliar sprays of Movento® from about 5 weeks after transplanting.

PRE-PLANTING Confidor 200 SC (seedling drench treatment)

Pest	Currant lettuce aphid (<i>Nasonovia ribisnigri</i>)
Rate	35 mL/1000 cells (For use when followed by Movento sprays)
Application	Precision seedling tray drench methods in commercial nurseries are recommended.

The lower rate (35 mL/1000 cells) of Confidor 200 SC is generally sufficient to give control of lettuce aphids out to about 6 weeks after planting in most circumstances.

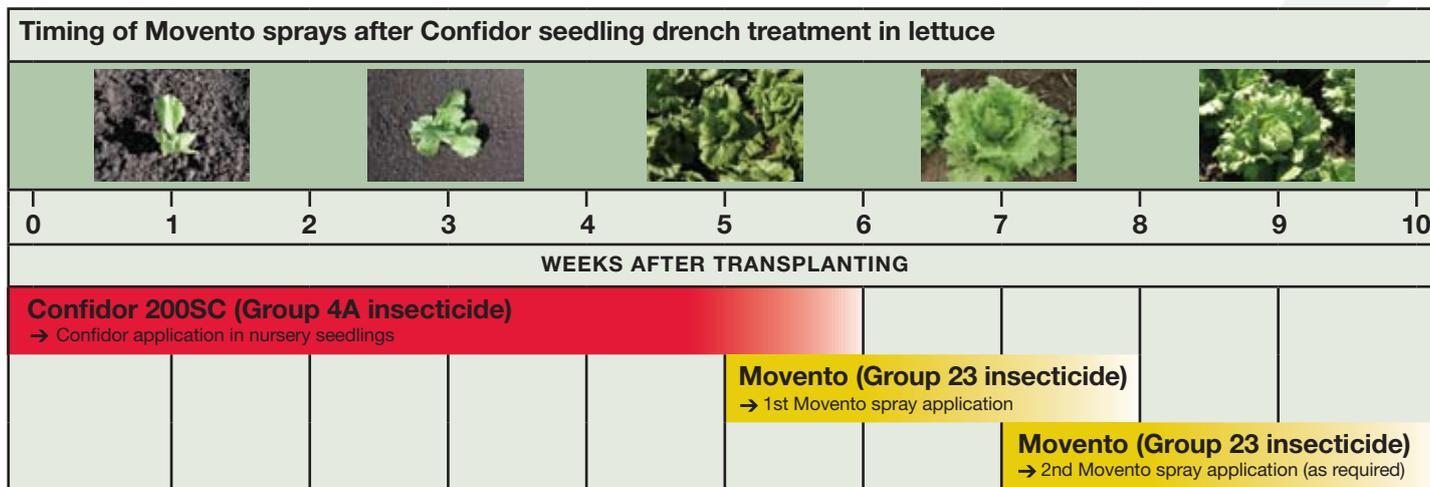
For more detailed information, please consult “Confidor 200 SC Seedling Drench – Instructions for Growers”, available from your local Bayer CropScience Representative.

AT ABOUT 5 WEEKS Movento (foliar spray applications)

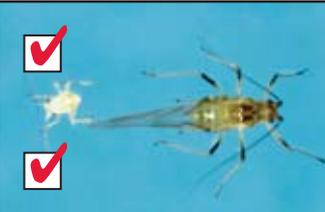
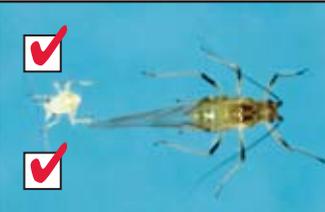
MOVENTO®

It is important to allow time for Movento to reach peak activity after application by starting foliar sprays at about 5-6 weeks after transplanting so that they are working before the residual effect from Confidor seedling drench treatment has been depleted.

Monitor crops carefully from 4–5 weeks after planting, and spray immediately if lettuce aphids are detected. Retreat at 7–21 day intervals depending on pest pressure.



PESTS CONTROLLED

	Currant lettuce aphid (<i>Nasonovia ribisnigri</i>)	Green peach aphid (<i>Myzus persicae</i>)	Brown sowthistle aphid (<i>Uroleucon sonchi</i>)
MOVENTO®	 ✓	 ✓	 ✓
	 ✓	 ✓	 ✓

Disclaimer - Always consult the product label for detailed information. The information and recommendations set out in this brochure are based on tests and data believed to be reliable at the time of publication. Results may vary, as the use and application of the products is beyond our control and may be subject to climatic, geographical or biological variables, and/or developed resistance. Any product referred to in this brochure must be used strictly as directed, and in accordance with all instructions appearing on the label for that product and in other applicable reference material. So far as it is lawfully able to do so, Bayer CropScience Pty Ltd accepts no liability or responsibility for loss or damage arising from failure to follow such directions and instructions.

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