

Users' guide for onions



MOVENTO®

2XSYS

Controlling onion thrips with Movento®

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

The first Group 23 insecticide available in Australia, **Movento** is effective on many pest populations which may have developed resistance to existing registered products.

Movento has unique '2-way systemicity'. After penetrating into plant tissue, it is highly mobile in sap flows both up and down the plant, so hidden pests can be controlled.

Application

Movento needs a suitable adjuvant to help it move through the plant's epidermal layers into the leaf tissue, and penetrant-type adjuvants such as Hasten® have proven to be the most effective. In some situations, other specified adjuvants may be suitable. Refer to Bayer CropScience for further information.

Do not re-apply **Movento** within 14 days of a previous application. Application intervals of around 21 days are generally most appropriate for **Movento** in onion crops.

For management of insecticide resistance, **Movento** should not be applied more than 2 times per crop. For full resistance management guidelines, visit www.croplifeaustralia.org.au

MOVENTO IN ONION CROPS AT A GLANCE

Pests	Onion thrips (<i>Thrips tabaci</i>)
Target stage	Movento is active on juvenile stages rather than adults. Movento is not highly effective against the adult stage of onion thrips, however a decline in the total thrips population will occur over time as the juvenile stages are controlled.
Application rate	200 mL/ha plus adjuvant
Spray timing	Start sprays of Movento early. To get the best performance from Movento , the initial spray must be applied before the thrips numbers have begun to increase rapidly.
Spray interval	Do not re-apply within 14 days of a previous Movento spray. Intervals of around 21 days are generally suitable.
Maximum sprays	Do not apply more than 2 applications per crop.
Adjuvant(s)	Penetrant-type adjuvants are recommended, e.g. Hasten at 0.5 L to 1 L/100 L of spray mixture.
Coverage	Thorough coverage is necessary.
Compatibility	Movento is compatible with Dithane® Rainshield, Ridomil® Gold MZ WG, copper oxychloride, Bayer Chlorothalonil and Antracol® 700 WP. Do not use Hasten adjuvant (or other oil-based adjuvants) when mixing with products containing chlorothalonil.
WHP	7 days
Integration into a spray program	Use Movento early (2 sprays) then use insecticides from other activity groups. The first Movento spray should be when local thresholds are reached or around the 3–4 leaf stage.
Use with knockdown insecticides	Tank-mixing Movento with a knockdown insecticide is not recommended. Movento should be applied at an earlier timing than is generally used for the initial application of a knockdown.

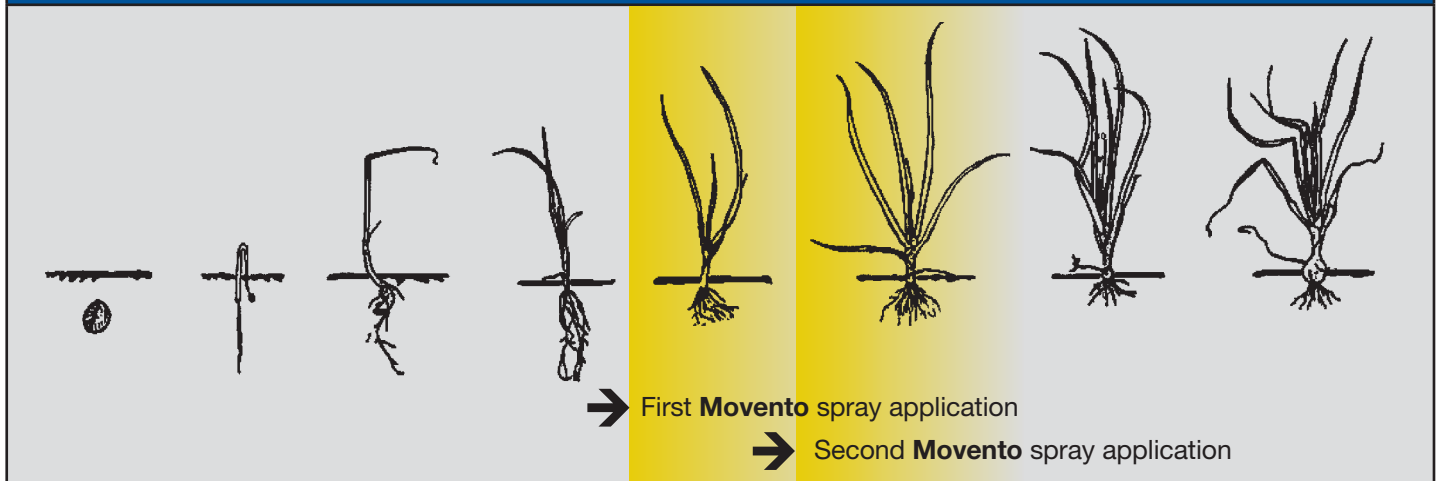


With resistance to current chemistry being documented throughout Australia, Movento® provides a unique tool to help prevent the major crop damage caused by onion thrips.

Onion thrips (*Thrips tabaci*) are a significant pest of onions in Australia. Their impact in onion crops is seen through

direct feeding damage resulting in yield loss, transmission of viruses and post-harvest feeding on onion bulbs.

Recommended timing for Movento in the crop growth stages for onions



In young onion crops, juvenile thrips (larvae) congregate at the base of the onion leaves, feeding by puncturing the leaf cells and removing the contents. Here they are protected against climatic extremes as well as traditional chemical (contact) applications.

The '2-way systemicity' of **Movento** takes away this protection, moving through the onion plant into these hiding or feeding spots to provide effective control of thrips larvae.

Generally the initial application of **Movento** should be applied around the 3-4 leaf stage of the crop, when thrips are first observed in the crop.

Once within the plant, **Movento** takes 7-10 days or more to reach peak activity, but it has demonstrated a very long residual effect, even against very difficult-to-control pests.

In situations where high thrips pressure occurs, or is expected, 2 sequential applications of **Movento** may be required for good control. Applications of a knockdown insecticide may be applied after the **Movento** applications.

Movento plus adjuvant has shown good crop safety at a range of growth stages from 1st leaf to near mature plants.



Juvenile onion thrips (*Thrips tabaci*)

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.

www.bayercropscience.com.au

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