



BELT®

Users' guide for Cucurbits

Getting the best from Belt® insecticide in cucurbits

Belt is a powerful insecticide for use in cucurbits based on the active ingredient flubendiamide from the Group 28 insecticide activity group.

Belt is 'soft' on most beneficial species and pollinators, but is extremely effective on key lepidopteran pests such as heliothis when used as directed. It is extremely fast-acting to stop feeding damage.

Belt is very active, rainfast quickly after spraying, and very stable to UV radiation. It has translaminar activity and has a very long residual effect. It is highly suited to IPM systems.

Belt has a short (one day) withholding period in cucurbit crops.

Belt should be used as a strategic spray in spray programs which include other insecticide groups.

In any single crop, there is a limit of three foliar applications of Group 28 insecticides per season.




This limit means that it's very important not to waste application of Group 28 chemistry on less critical timings that can be adequately covered by other activity groups. In cucurbits, the most critical period for use of this most effective chemistry is from early fruit set. Current resistance management guidelines are available from www.croplife.org.au



BELT IN CUCURBITS AT A GLANCE

Pests	Heliothis and cucumber moth.
Rate	100 mL/ha (or 10 mL/100 L as dilute sprays).
Spray interval	Up to 14 days. <ul style="list-style-type: none">• with high pest pressure: 7 day intervals or less• with low pest pressure: 7–14 days intervals
Adjuvant	Optional, but generally recommended. If using a non-ionic wetting agent, apply at label rates (e.g. Agral® 10 mL/100 L). Use of penetrant-type adjuvants (e.g. Agridex®, Hasten®) can aid translaminar movement. Organosilicon adjuvants such as Pulse® also perform similarly. Do NOT use oil-based adjuvants if mixing with chlorothalonil-based products.
Coverage	Ensure good spray coverage. Belt does not translocate far within plant tissue, so coverage is important. Apply in a volume of 400–1000 L/ha or more (depending on crop stage/size) when applying dilute sprays. For overall broadcast sprays, apply in up to 600 L/ha.
Aerial application	Registered for application through aircraft. Coarse droplets. Apply a minimum total spray volume of 30 L/ha. Refer to label for further details.
Compatibility	Belt is compatible with Hasten, Agridex, Kwickin®, Maxx, Agral, Blue Shield® DF, Confidor® 200 SC, Kocide® 350 DF, Antracol®, chlorothalonil, Polyram®, mancozeb, Acrobat®, Vivando®, Norshield®, Colliss® and Talendo®.
WHP	1 day
Rainfastness	Rainfast within 2–4 hours.
IPM	Belt is safe to bees and is ‘soft’ on most beneficial species, when used as directed.

Belt remains in high concentrations near where it lands on the plant. This results in a very long period of effective grub control on flowers and developing fruit even under tropical conditions.

Belt spray applications should be timed to maximise the full potential of your crop.	Optimal spray times (max 3 sprays)
	<p>In earlier stages (first weeks after planting), it is generally recommended that sprays of other insecticide activity groups be used – perhaps other soft, ‘IPM-friendly’ insecticides from different groups from Belt, or even older conventional insecticides.</p> <p>When plants are young, spray coverage is easier and rapid effect is not quite so critical before fruit is set. Inclusion of alternative activity groups is good resistance management practice.</p> <p>NO</p>
 	<p>Monitor crops carefully.</p> <p>Follow local spray thresholds, and time sprays at or just after egg hatch for best results if possible.</p> <p>When flowering commences, check flowers carefully for heliophilus activity.</p> <p>Begin using Belt when eggs or grubs (either heliophilus or cucumber moth larvae) are first found in flowers or feeding on leaves or small fruit.</p> <p>Belt should be rotated with the best of the alternative chemistry so that the benefit from the limited number applications of Belt (3) is maximised. At the critical stages of the crop, it's important to have a powerful, fast-acting product like Belt protecting the fruit.</p> <p>Good coverage is essential.</p> <p>Belt has a withholding period of just one day, so it is easily integrated into tight picking schedules.</p> <p>Spray intervals should not be greater than 14 days. Under heavy insect pressure, use shorter intervals.</p> <p>YES</p>



Want more information?

For more information on getting the best out of Belt, visit crop.bayer.com.au/belt or talk to your local Bayer representative.

Bayer CropScience Pty Ltd, ABN 87 000 226 022, Level 1, 8 Redfern Road, Hawthorn East, Victoria 3123. Technical Enquiries 1800 804 479. enquiries.australia@bayer.com. 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. Belt®, Agridex®, Antracol®, Blue Shield®, and Confidor® are registered trademarks of the Bayer Group.