



Confidor® 200 SC seedling drench – instructions for growers

JANUARY 2011

Confidor® 200 SC Insecticide is a leading insecticide from Bayer CropScience that offers effective and long-lasting protection against sucking pests in a wide range of crops. **Confidor** is proven worldwide and Bayer's superior quality **Confidor** formulations have been used and trusted in Australia for more than 10 years.

Following a number of years where **Confidor 200 SC** was used as a seedling drench under an APVMA permit, in December 2009 this use pattern was registered for brassica vegetables and lettuce (for densities up to 75,000 plants per hectare only). In January 2011 registration was extended to include lettuce planting densities up to 300,000 plants per hectare, based on reduced application rates per 1,000 seedlings.

As part of the Bayer CropScience commitment to product stewardship, the following information is provided to you, the grower, to ensure you are fully aware of the details of this registration, particularly in relation to the correct handling of seedlings that have been treated with **Confidor** at the nursery.

Directions for use

DO NOT transplant seedlings treated by seedling drench into hydroponic systems.

CROP	PEST	RATE	CRITICAL COMMENTS
Brassicas (broccoli, Brussels sprouts, cabbage, cauliflower)	Silverleaf whitefly, including type B	Seedling drench 40 mL/1000 seedlings	<p>Green peach aphid, onion thrips: When Confidor is used for the control of silverleaf whitefly, including type B, control of green peach aphid and onion thrips will also be achieved.</p> <p>Seedling drench (prior to transplanting) Apply to the transplant cell, once only, prior to transplanting. For applications specifically against green peach aphid and onion thrips, select the rate taking into account the likely crop type, crop growing period, the anticipated degree of pest infestation and previous field experience (e.g. consideration of crop variety, time of year, predator activity, soil type).</p>
	Green peach aphid, onion thrips	Seedling drench 20-40 mL/1000 seedlings	

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Directions for use (cont.)

CROP	PEST	RATE	CRITICAL COMMENTS
Lettuce (head lettuce) WHP: 6 weeks	Currant-lettuce aphid	Planting densities up to 70,000 plants/ha 35-55 mL/1000 seedlings applied as a seedling drench	<p>Seedling drench (prior to transplanting) Apply to the transplant cell, once only, prior to transplanting. The maximum recommended application rate per 1000 seedlings will depend on the proposed field planting density, as shown in the RATE column.</p> <p>Planting densities up to 70,000 plants per hectare In the RATE column, identify the desired planting density and the corresponding recommended rate range.</p> <p>Select the rate taking into account the likely crop growing period, the anticipated degree of pest infestation and previous field experience (e.g. consideration of lettuce type, variety, time of year, predator activity, soil type).</p> <p>The lower rate will usually be adequate for crops with a short growing period (e.g. less than 6-7 weeks), while the higher rate will be necessary for most situations where conditions are highly favourable for aphid infestation and for longer crop growing periods (e.g. greater than 6-7 weeks). The lower rate may also be appropriate where control from the Confidor application is not required for the entire crop growing period and where insecticides with alternative modes of action will be used as part of a broader lettuce aphid management strategy during latter stages of crop development.</p> <p>Planting densities from 70,000 to 110,000 and 110,000 to 150,000 plants per hectare In the RATE column, identify the desired planting density and the corresponding recommended rate range.</p> <p>Select the rate taking into account the likely crop growing period, the anticipated degree of pest infestation and previous field experience (e.g. consideration of lettuce type, variety, time of year, predator activity, soil type).</p> <p>The lower rate will be suitable where a short duration of control is required, while a higher rate will generally provide an increased length of control.</p> <p>However these rates may not provide control of currant lettuce aphid for the entire crop growing period. Monitor crops and if required use insecticides with alternative modes of action as part of a broader lettuce aphid management strategy during latter stages of crop development.</p>
Lettuce (excluding head lettuce), chicory, endive, radicchio WHP: 4 weeks		Planting densities from 70,000 to 110,000 plants/ha 12.5-35 mL/1000 seedlings applied as a seedling drench	
		Planting densities from 110,000 to 150,000 plants/ha 12.5-25 mL/1000 seedlings applied as a seedling drench	
		Planting densities from 150,000 to 300,000 plants/ha 12.5 mL/1000 seedlings applied as a seedling drench	

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Directions for use (cont.)

CROP	PEST	RATE	CRITICAL COMMENTS
<i>Continued from previous page</i>			<p><u>Planting densities from 150,000 up to 300,000 plants per hectare</u> In the RATE column, identify the desired planting density and the corresponding recommended rate.</p> <p>This rate may not provide control of currant lettuce aphid for the entire crop growing period. Monitor crops and if required use insecticides with alternative modes of action as part of a broader lettuce aphid management strategy during latter stages of crop development.</p>

Planting and handling instructions

- DO NOT transplant seedlings treated by seedling drench into hydroponic production systems.
- Seedling damage may result from **Confidor** seedling drench treatment particularly if transplanting does not occur soon after treatment. It is recommended that transplanting occur within 24 hours of treatment and that planted seedlings receive sufficient irrigation (preferably using overhead sprinklers) as soon as possible after transplanting to further minimise the risk of seedling damage. This may be particularly relevant under conditions of rapid drying of the transplant cell medium.
- If watering is required between application and planting, it should be done sparingly, only as required.
DO NOT allow run-through from the cells.
- When transplanting treated seedlings ensure that the growing medium is fully transferred to the field with each seedling.

PRECAUTION

- At all times on farm, including during planting, impervious gloves should be worn when handling treated seedling trays or seedlings.

Withholding Periods – seedling drench applications

Harvest

Brassicas: WITHHOLDING PERIOD NOT REQUIRED WHEN USED AS DIRECTED

Chicory, endive, lettuce (excluding head lettuce) and radicchio: DO NOT HARVEST FOR 4 WEEKS AFTER APPLICATION (planting)

Head lettuce: DO NOT HARVEST FOR 6 WEEKS AFTER APPLICATION (planting)

Grazing

DO NOT GRAZE ANY TREATED AREA, OR CUT FOR STOCK FOOD.

DO NOT FEED PRODUCE HARVESTED FROM TREATED AREA TO ANIMALS, INCLUDING POULTRY.

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Export of Treated Produce

Growers should note that MRLs or import tolerances do not exist in all markets for edible produce treated with **Confidor**. If you are growing edible produce for export, please check with Bayer CropScience for the latest information on MRLs and import tolerances before using **Confidor**, or ordering seedlings treated with **Confidor**.

Follow up applications and Resistance Management

- **Confidor** provides effective management of pest populations. However, **Confidor** may not provide complete control of pests for the entire growing period in all situations. Crops should be monitored for pests following transplanting and throughout the life of the crop. If pests are observed in the crop additional chemical control may be required, in which case an insecticide with a different mode of action should be used.
- Insecticide Resistance Warning

GROUP	4A	INSECTICIDE
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For insecticide resistance management, **Confidor** is a Group 4A insecticide. Some naturally occurring insect biotypes resistant to **Confidor** and other Group 4A insecticides may exist through normal genetic variability in any insect population. The resistant individuals can eventually dominate the insect population if **Confidor** and other Group 4A insecticides are used repeatedly. The effectiveness of **Confidor** on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Bayer CropScience accepts no liability for any losses that may result from the failure of **Confidor** to control resistant insects. **Confidor** may be subject to specific resistance management strategies. For further information contact your local supplier, Bayer CropScience representative or local agricultural department agronomist.

Resistance Management Strategies for brassica and lettuce

DO NOT apply **Confidor 200 SC** or any other Group 4A Insecticide following a seedling drench application of **Confidor 200 SC** or any Group 4A Insecticide in that crop.

Note: The full label for **Confidor 200 SC Insecticide** is available from Bayer CropScience (1800 804 479) or from www.bayercropscience.com.au

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The information and recommendations set out in this document 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 document 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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