



PREVICUR
ENERGY

Leafy salad & vegetable crops

User Guide

May 2014

Product profile

Previcur Energy is a systemic multi-site fungicide for the control of the following oomycete diseases in salad and vegetable crops:

- ▶ control of downy mildew on protected and outdoor crops of lettuce
- ▶ moderate control of downy mildew on protected crops of radish
- ▶ control of 'damping-off' caused by *Pythium* spp. on pre-transplanted lettuce, broccoli/calabrese, cauliflower, Brussels sprouts, cabbage, Chinese cabbage, collard, kale.

Active substances	530 g/L propamocarb + 310 g/L fosetyl
Formulation	Soluble concentrate
Pack size	1 Litre
LERAP	None

Previcur Energy contains two active substances with proven efficacy at protecting broad-leaved crops against oomycete fungi. Direct effects against fungi prevent mycelial growth and penetration, spore production and germination. These are supported by indirect effects which stimulate the plants natural defences through Systemic Acquired Resistance (SAR).

To ensure good control of oomycete diseases apply Previcur Energy in a protectant programme of treatments before infection occurs.

Diseases controlled

Protected and outdoor lettuce	<i>Bremia lactucae</i> – downy mildew <i>Pythium</i> spp. – damping-off
Protected radish	<i>Peronospora parasitica</i> – downy mildew (moderate control)
Brussels sprouts, cabbage, cauliflower, Chinese cabbage, broccoli/calabrese, kale and collard	<i>Pythium</i> spp. – damping-off

Additional benefits against other oomycete fungi such as *Phytophthora* species can also be expected.

Key advantages

- ▶ Easy to use soluble liquid formulation
- ▶ Two active substances with proven efficacy against oomycete diseases
- ▶ Improved resistance management through co-formulation
- ▶ Flexible application methods

Mixing

Shake well before use. Ensure the sprayer or applicator is clean and set to give the correct application volume and even coverage. Half fill with water and then add the recommended quantity of Previcur Energy. Add the rest of the water and agitate the mixture thoroughly. Diluted product must be used immediately.

Application

- ▶ Previcur Energy may be applied as a seedbed drench or as a foliar spray. For rates, water volumes, timings and restrictions of application see crop specific sections.
- ▶ For best results from seedbed drenches, ensure prior to application the growing medium is moist before saturating with the mixture.
- ▶ Foliar sprays may be applied by tractor mounted / trailed sprayers or knapsacks.
- ▶ For foliar sprays adjust boom height and water volume to ensure good coverage of the crop, particularly at later growth stages. In dense crops at later growth stages, use higher water volumes as recommended. Apply as a medium quality spray.
- ▶ After use, clean application equipment with water or dilute detergent solution and thoroughly rinse three times.
- ▶ Caution: Use as a foliar or soil treatment may result in leaf scorch under very hot conditions.
- ▶ Crops treated with Previcur Energy must not be processed.

Resistance management

Previcur Energy contains two active substances providing multi-site activity and as such is ideal for inclusion in disease control programmes as part of an anti-resistance management strategy.

The possible development of pathogens resistant to Previcur Energy cannot be excluded or predicted. Where such resistant strains occur, Previcur Energy is unlikely to give satisfactory control

Protected and outdoor lettuce

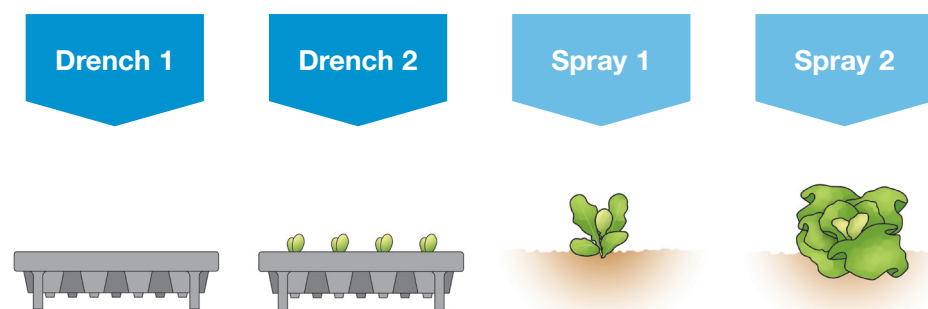
Application method	Drench	Foliar spray
Maximum individual dose	3 ml/m ²	2.5 L/ha
Maximum total dose per crop	6 ml/m ² /crop	5.0 L/ha
Latest time of application	Pre-transplantation	21 days before harvest

Before transplanting

Previcur Energy may be applied as a seedbed drench to plants in propagation. The first drench application should be pre-emergence just after sowing. The second drench application should follow post-emergence approximately 10 to 14 days later. Where two drench applications are made the first must be pre-emergence. Thoroughly drench the compost using a diluent volume of 2.0 to 4.0 L/m² (20,000-40,000 L/ha).

After transplanting

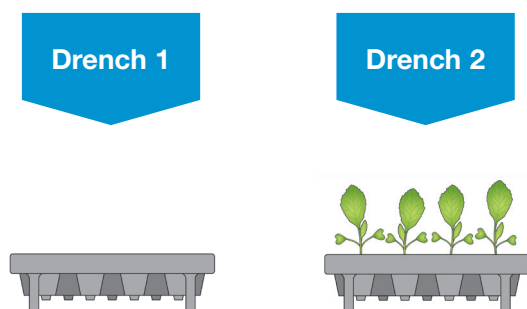
Previcur Energy may be applied as a foliar spray at a maximum individual dose of 2.5 L/ha in 200 to 1000 litres of water. The first spray application is recommended just after transplanting. The second spray application should follow approximately 10 to 14 days later.



Brussels sprouts, cabbage, cauliflower, Chinese cabbage, broccoli/calabrese, kale and collard (protected at time of application)

Application method	Drench
Maximum individual dose	3 ml/m ²
Maximum total dose per crop	6 ml/m ² /crop
Latest time of application	Pre-transplantation

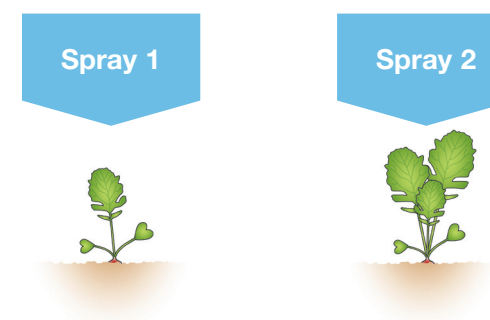
Previcur Energy may only be applied as a seedbed drench to plants in propagation. The first drench application is recommended pre-emergence just after sowing. The second drench application should follow post-emergence approximately 10 to 14 days later. Where two drench applications are made the first must be pre-emergence. Thoroughly drench the compost using a diluent volume of 2.0 to 4.0 L/m² (20,000-40,000 L/ha).



Protected radish

Application method	Foliar spray
Maximum individual dose	2.5 L/ha
Maximum total dose per crop	5.0 L/ha
Latest time of application	14 days before harvest

Previcur Energy may only be applied as a foliar spray at a maximum individual dose of 2.5 L/ha in 200 to 1000 litres of water. The first spray application is recommended just after emergence of first true leaves. The second spray application should follow approximately 10 to 14 days later.



Previcur Energy contains fosetyl and propamocarb. Previcur Energy is a registered trademark of Bayer.

Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label. For further information, please visit www.bayercropscience.co.uk or call Bayer Assist on 0845 6092266 / 01223 226644.

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