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Fungicide

previCUR® ENERGY

A systemic multi-site fungicide for the control of downy mildew on protected and outdoor crops of lettuce, moderate control of downy mildew on protected crops of radish and 'damping-off' caused by Pythium spp for lettuce, broccoli/ calabrese, cauliflower, Brussels sprouts, cabbage, Chinese cabbage, collard, kale, tomato, melon and cucumber seedlings during propagation under protection. Also, for protected crops of tomato, melon and cucumber against Pythium when applied through drip irrigation.

A soluble concentrate containing propamocarb (530.0 g/L) and fosetyl (310.0 g/L)

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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GROUP P07 | 28 FUNGICIDES

MAPP 15367 | F

Shake Well

Safety Information

PREVICUR ENERGY

UFI: KE50-2081-X006-HDSF

Contains 530.0 g/L propamocarb and 310.0 g/L fosetyl

Warning

May cause an allergic skin reaction.

Wear protective gloves/protective clothing/eye protection/face protection.

If skin irritation or rash occurs: Get medical advice/attention.

Dispose of contents/container to a licenced hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

To avoid risks to human health and the environment, comply with the instructions for use.

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

Wear suitable protective clothing (coveralls) and suitable protective gloves when handling the concentrate or
applying by hand-held equipment.

Wear suitable protective gloves when handling contaminated surfaces.

However, engineering controls may replace personal
protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH HANDS AND EXPOSED SKIN before meals and after work.

TAKE OFF IMMEDIATELY all contaminated clothing.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

DO NOT BREATHE SPRAY.

IF YOU FEEL UNWELL, seek medical advice (show the label where possible).

Environmental Protection

Do not contaminate water with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

Storage and Disposal

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of safely.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

Keep away from food, drink and animal feedingstuffs.

Keep out of reach of children.

Wash out container thoroughly, empty washings into the spraytank, and dispose of safely.

To access the **Safety Data Sheet** for this product scan the code or use the link below:

https://cropscience.bayer.co.uk/our-products/fungicides/previcur-energy

or alternatively contact your supplier

Bayer

IMPORTANT INFORMATION FOR USE ONLY AS A HORTICULTURAL FUNGICIDE

Crops	Method of application	Maximum individual dose	Maximum total dose per crop	Latest time of application
Protected lettuce (grown in organic media), outdoor lettuce	Drench	3 ml product/m^2	6 ml product/m^2/crop (1)	Pre-transplantation
	AND			
	Foliar spray	2.5 L product/ha	5 L product/ha/crop	21 days before harvest
Protected cucumber and protected tomato (grown in organic media)	Drench	3 ml product/m^2	6 ml product/m^2/crop (1)	Pre-transplantation
	AND			
	Drip irrigation	3 L product/ha	6 L product/ha/crop (2)	3 days before harvest
Protected cucumber and protected tomato (grown in synthetic rooting media)	Drench	3 ml product/m^2	6 ml product/m^2/crop (1)	Pre-transplantation
	AND			
	Drip irrigation	3 L product/ha	12 L product/ha/crop (3)	3 days before harvest
Protected radish	Foliar spray	2.5 L product/ha	5 L product/ha/crop	14 days before harvest
Protected broccoli/ calabrese, cauliflower, Brussels sprout, cabbage, Chinese cabbage, kale and collard.	Drench	3 ml product/m^2	6 ml product/m^2/crop (1)	Pre-transplantation
Qualified minor Uses:				
Protected melon (grown in organic media)	Drench	6 ml product/m^2	9 ml product/m^2/crop (1)	Pre-transplantation
	AND			
	Drip irrigation	3 L product/ha	6 L product/ha/crop (2)	3 days before harvest
Protected melon (grown in synthetic rooting media)	Drench	6 ml product/m^2	9 ml product/m^2/crop (1)	Before transplanting
	AND			
	Drip irrigation	3 L product/ha	12 L product/ha/crop (3)	3 days before harvest

Other specific restrictions: (1) Where two drenches are allowed on one crop then the first drench is restricted to pre-emergence use only. (2) For use on cucumber (protected), tomato (protected) and melon (protected) in a soil or compost substrate the maximum total dose via drip irrigation must not exceed 6 L/ha/crop. (3) For application by drip irrigation to tomato, melon and cucumber grown for cropping in artificial substrates. Previcur Energy must not be applied in a re-circulating system.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

PROTECT FROM FROST.

DIRECTIONS FOR USE

IMPORTANT: This leaflet is approved as part of the label. All instructions on this leaflet and on the label should be read carefully in order to obtain successful results from the use of this product.

WARNINGS

Use as a foliar or soil treatment may result in leaf scorch under very hot conditions.

Consult processor before using on crops grown for processing.

DISEASES CONTROLLED

Previcur Energy contains propamocarb (530.0 g/L) and fosetyl (310.0 g/L), a combination of two active ingredients with proven efficacy at protecting the roots and aerial parts of broadleaved crops against Oomycete fungi. The combination has multi-site activity and as such is ideal to include in disease control programmes as part of an anti-resistance management strategy. Direct effects against fungi prevent mycelial growth/penetration and spore production/ germination. These are supported by indirect effects which stimulate the plants natural defences (systemic acquired resistance). The following crop diseases are controlled:

Bremia lactucae (downy mildew)	Protected and outdoor lettuce
Peronospora parasitica (downy mildew)	Protected radish (Moderate control)
Pythium spp. (damping-off)	Lettuce, tomato, melon†, cucumber, Brussels sprouts, cabbage, cauliflower, Chinese cabbage, broccoli/calabrese, kale and collard

† Minor use qualification – Only limited evidence of crop safety is available

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

To ensure good control of Oomycete diseases, Previcur Energy must be applied in a protectant programme of treatments, before infections have occurred.

CROP SPECIFIC INFORMATION

Protected and outdoor lettuce:
For plants in propagation, Previcur Energy may be applied as a seedbed drench at a maximum individual dose of 3 ml product/m^2 and a maximum total dose as a drench per crop of 6 ml product/m^2. The first application should be pre-emergence, just after sowing, followed by a second application after crop emergence, approximately 10–14 days later. Thoroughly drench the compost using a diluent volume of between 2 and 4 L/m^2 (20,000-40,000 L/ha). The latest time of application is pre-transplanting.

After transplanting, Previcur Energy may be applied as a foliar spray, at a maximum individual dose of 2.5 L product/ha in 200 to 1000 L water. The first application is recommended just after transplanting followed by a second dose approximately 10–14 days later. The total dose allowed as a spray application per crop is 5.0 L/ha. At least 21 days must be allowed between the final application and harvest.

Protected radish:
Previcur Energy may be applied as a foliar spray, at a maximum individual dose of 2.5 L product/ha in 200 to 1000 L water. The first application is recommended just after emergence of first true leaves followed by a second dose approximately 10–14 days later. The total dose allowed as a spray application per crop is 5.0 L/ha. At least 14 days must be allowed between the final application and harvest.

Brussels sprouts, cabbage, cauliflower, Chinese cabbage, broccoli/ calabrese, kale and collard (protected at time of application):
For plants in propagation, Previcur Energy may be applied as a seedbed drench at a maximum individual dose of 3 ml product/m^2 and a maximum total dose as a drench per crop of 6 ml product/m^2. The first application is recommended pre-emergence, just after sowing, followed by a second application after crop emergence, approximately 10–14 days later. Thoroughly drench the compost using a diluent volume of between 2 and 4 L/m^2 (20,000–40,000 L/ha). The latest time of application is pre-transplanting, after which plants can be transplanted outdoors in the field as required.

Protected tomato and cucumber:
Crops grown in soil or compost for propagation and cropping
For plants in propagation, Previcur Energy may be applied as a seedbed drench at a maximum individual dose of 3 ml product/m^2 and a maximum total dose as a drench per crop of 6 ml product/m^2 for tomatoes and cucumbers.

The first application is recommended pre-emergence, just after sowing, followed by a second application after crop emergence, approximately 10-14 days later. Thoroughly drench the compost using a diluent volume of between 2 and 4 L/m^2 (20,000–40,000 L/ha). The latest time of application is pre-transplanting.

After transplanting, Previcur Energy may be applied via drip irrigation up to a maximum individual dose of 3.0 L/ha and a maximum total dose via drip irrigation per crop of 6.0 L/ha. One dose is recommended just after transplanting followed by a second dose approximately 10-14 days later using a diluent volume of between 300–1500 L/ha). At least 3 days must be allowed between the final application and harvest.

Crops grown in artificial substrates for propagation and cropping
For plants in propagation, Previcur Energy may be applied as a seedbed drench at a maximum individual dose of 3 ml product/m^2 and a maximum total dose as a drench per crop of 6 ml product/m^2 for tomatoes and cucumbers. The first application is recommended pre-emergence, just after sowing, followed by a second application after crop emergence, approximately 10–14 days later. Thoroughly drench the compost using a diluent volume of between 2 and 4 L/m^2 (20,000–40,000 L/ha). The latest time of application is pre-transplantation.

To reduce the risk of phytotoxicity (plant selectivity) in cucumbers grown on artificial substrates, use up to 1 litre of product per hectare in the first 10 days after transplanting. It is also recommended that applications to newly transplanted cucumbers are made in the afternoon/evening when plant uptake will be slower.

After transplanting, Previcur Energy may be applied via drip irrigation up to a maximum individual dose of 3.0 L/ha and a maximum total dose via drip irrigation per crop of 12.0 L/ha. One dose is recommended just after transplanting followed by further doses at an interval of 7 to 10 days using a diluent volume of between 300–1500 L/ha). At least 3 days must be allowed between the final application and harvest.

MINOR USE QUALIFICATION

There is limited evidence of crop safety and/or product efficacy available for qualified minor uses and the commercial risk of using this product under this/ these Qualified Minor Use(s) is borne entirely by the grower.

Protected melon:

Crops grown in soil or compost for propagation and cropping

For plants in propagation, Previcur Energy may be applied as a seedbed drench at a maximum individual dose of 6 ml product/m^2 and a maximum total dose as a drench per crop of 9 ml product/m^2. The first application is recommended pre-emergence, just after sowing, followed by a second application after crop emergence, approximately 10–14 days later. Thoroughly drench the compost using a diluent volume of between 2 and 4 L/m^2 (20,000–40,000 L/ha). The latest time of application is pre-transplanting.

After transplanting, Previcur Energy may be applied via drip irrigation up to a maximum individual dose of 3.0 L/ha and a maximum total dose via drip irrigation per crop of 6.0 L/ha. One dose is recommended just after transplanting followed by a second dose approximately 10–14 days later using a diluent volume of between 300–1500 L/ha. At least 3 days must be allowed between the final application and harvest.

Crops grown in artificial substrates for propagation and cropping

For plants in propagation, Previcur Energy may be applied as a seedbed drench at a maximum individual dose of 6 ml product/m^2 and a maximum total dose as a drench per crop of 9 ml product/m^2. The first application is recommended pre-emergence, just after sowing, followed by a second application after crop emergence, approximately 10–14 days later. Thoroughly drench the compost using a diluent volume of between 2 and 4 L/m^2 (20,000–40,000 L/ha). The latest time of application is pre-transplantation.

After transplanting, Previcur Energy may be applied via drip irrigation up to a maximum individual dose of 3.0 L/ha and a maximum total dose via drip irrigation per crop of 12.0 L/ha. One dose is recommended just after transplanting followed by further doses at an interval of 7 to 10 days using a diluent volume of between 300–1500 L/ha. At least 3 days must be allowed between the final application and harvest.

MIXING

Shake well before use

Ensure that the sprayer or other applicator is clean and set to give the correct volume of application and an even coverage. Half fill the sprayer or container with water then add the recommended quantity of Previcur Energy. Add the rest of the water and agitate the mixture thoroughly. The diluted product must be used IMMEDIATELY.

APPLICATION

Previcur Energy may be applied as a seedbed drench, via drip irrigation or as a foliar spray. For rates, water volumes, timings and restrictions of application see crop specific information. Additional advice is as follows:

Seedbed drench: For best results when drenching, thoroughly saturate the growing medium. The growing medium should be moist before application.

Foliar sprays: Boom height and water volume should be adjusted to ensure good coverage of the crop, particularly at later growth stages. In dense crops at later growth stages, higher water volumes should be used as recommended. Apply as a MEDIUM quality spray (for details see Boom Sprayers Handbook published by BCPC).

Trickle Irrigation: When applying by trickle irrigation systems, Previcur Energy should either be diluted in a bulk tank or through an injector type diluter.

All application equipment should be washed/cleaned with water or dilute detergent solution and thoroughly rinsed three times.

Caution

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. When certain pathogens may develop resistance to Bayer CropScience products and since such circumstances are beyond our control, Bayer CropScience will be under no liability for any loss or damage whatsoever.

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