

# Preventive systemic protection against Pythium

## Best uses

Previcur<sup>®</sup> N fungicide delivers preventive systemic protection against Pythium species associated with root rot and damping-off with low potential for resistance.

## Key strengths

Previcur N fungicide is a Group 28 fungicide containing the active ingredient propamocarb. Previcur N is absorbed by the roots and translocated to the aerial parts of the plants via xylem or water stream of the plant, thereby protecting roots, bulbs, seedlings, cuttings, stems and leaves of young plants from disease infection and preventing the entry of fungal pathogens.

Previcur N fungicide provides control of soil-born Pythium (*Pythium* spp.) diseases associated with root rot and damping-off and is registered for use as a drench on certain greenhouse vegetable crops and ornamentals. Previcur N is also registered as a foliar for suppression of downy mildew in greenhouse cucumbers and as a drench to control root rot *Phytophthora* spp. on greenhouse ornamentals and outdoor ornamentals.

## Benefits of applying Previcur N

- Systemic mode of activity
- Soluble liquid formulation
- Multi-site mode of action – Group 28 – so resistance potential is low
- Registered for Pythium control on greenhouse vegetables, including tomatoes, cucumbers, peppers and eggplants
- Registered for suppression of downy mildew on greenhouse cucumbers
- Registered for control of Pythium and Phytophthora on greenhouse and outdoor ornamentals

## Mode of action

Unique multi-site mode of action changes the permeability of the Pythium cell membranes, destroying the cell wall and preventing spore germination.

## Residual activity

Excellent residual control with application intervals of 7–21 days, depending on favourable disease conditions.



### Active ingredient

propamocarb hydrochloride  
722 g/L



### Group

28 fungicide



### Formulation

soluble liquid



### Packaging

case = 8 x 1 L

Crop/disease	Application rate	Notes
Greenhouse tomato, Greenhouse cucumber, Greenhouse peppers and Greenhouse eggplant <b>Disease:</b> Control of root rot and damping-off caused by <i>Pythium</i> spp.	Mix 10 mL Previcur® N in 10 L of water and apply this solution at 100–200 mL of solution per plant through drench directed to the rooting medium. Use higher rate for second and third application.	<b>At seeding or during propagation stage:</b> (before transplanting) Make first application to growing medium at seeding or during propagation stage. A second application may be made 7–10 days later if pressure warrants. <b>After transplanting:</b> Applications may be made after transplanting on 7–10 days intervals. <b>Maximum number of applications:</b> Four times per crop cycle. Do not apply more than two seeding/seedling applications per crop cycle. Do not apply more than two after transplanting applications per crop cycle.
Cucumbers <b>Disease:</b> Suppression of downy mildew	Single application of Previcur® N per crop cycle. Apply 1.5 L/ha for foliar treatment.	Apply when plants begin to vine or when disease threatens. Make foliar applications when conditions first become favourable for disease development (for example, high moisture and moderate temperature) but before infection. Make sure the entire cucumber leaf is covered with spray solution (underside of leaf must have good spray coverage) until runoff.
Rose, Azalea, Rhododendron, Holly, Geranium, Poinsettia, African Violet, Gerbera, Cyclamen and Snapdragon <b>Disease:</b> Control of <i>Pythium</i> spp. root rot	Apply a single treatment of Previcur® N to ornamentals at potting for <i>Pythium</i> root rot, 1.5 mL/L of water, at 100 mL of solution/10 cm pot. Two repeat applications can be made 21–40 days apart if disease pressure warrants.	Apply at the labelled rates either by drip irrigation directly to the soil surface or through subirrigation .
Rose, Azalea, Rhododendron, Holly, Geranium, Poinsettia, African Violet, Gerbera, Cyclamen and Snapdragon <b>Disease:</b> Control of <i>Phytophthora</i> spp. root rot	1.5 mL Previcur® N/L of water. Use 4.9 L of mixed solution for every 1 m <sup>2</sup> of surface area. Two repeat applications can be made 21–40 days if disease pressure warrants.	Apply through drip irrigation at the labelled rate.

### Pre-harvest interval

- Tomatoes – 1 day
- Peppers – 1 day
- Cucumbers – 2 days
- Eggplant – 2 days

### Environmental impact

All pesticides are regulated under the Pest Control Products Act to ensure that they do not pose an unacceptable risk to human health and the environment. For information regarding the pesticide regulatory process, visit Health Canada's Pest Management Regulatory Agency website <https://www.canada.ca/en/health-canada/corporate/about-health-canada/branches-agencies/pest-management-regulatory-agency.html>

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