

DATA SHEET

PUELCHE® (WP) BIOLOGICAL FUNGICIDE WETTABLE POWDER (WP)

PUELCHE® (WP) is a biological fungicide against *Botrytis cinerea*, *Alternaria solani* and *Phytophthora infestans*. The formulation is based on strains of *Hypocrea virens* and *Bacillus licheniformis*, which achieve effective control against phytopathogenic fungi.

The strains of *Hypocrea spp* and *Bacillus spp* have fungicidal action through mechanisms of competition, antibiosis and predation to achieve effective preventive and curative control against phytopathogenic fungi such as *Botrytis cinerea*, causative agent of gray rot in grapevines, stones (cherry, peach, plum, nectarine and almond), berries (blueberry, raspberry, blackberry, strawberry and maqui) and tomato in the field; Late blight (*Phytophthora infestans*) in tomato and potato and early blight (*Alternaria solani*) in tomato and paprika in the field, as shown in the "Instructions for use" table.

Biological fungicide based on mycelium and conidia of the Ñire strain of the fungus *Hypocrea virens* and based on spores of the Copihue strain of the bacterium *Bacillus licheniformis*.

**SAG Chile Registration No. 2.978-0.
Authorized by SAG for Use in Organic Agriculture.**

Formulation:

COMPOSITION	(% w/w)
<i>Hypocrea virens</i> Ñire strain*	0,6% m/m (6 g/Kg)
<i>Bacillus licheniformis</i> Copihue strain**	0.9% w/w (9 g/kg)
co-formulants c.s.p.	100 g (1 Kg)

* $1,8 \times 10^7$ UFC/G ** $3,0 \times 10^7$ UFC/G

INSTRUCTIONS FOR USE

CROP	DISEASE/ PATHOGEN	DOSE (g/hl)	OBSERVATIONS
Grapevine	Gray rot (<i>Botrytis cinérea</i>)	100 – 150	It is recommended to apply PUELCHE® (WP) in doses of 100 g/hl with low disease pressure and in doses of 150 g/hl with high pressure. It is recommended to apply with predisposing conditions for the disease (free water or symptoms of the disease), from veraison onwards. Suggested wetting of 500 l/ha, depending on phenological state and/or conduction system.
Stones (Cherry, Peach, Plum, Nectarine and Almond)	Grey rot (<i>Botrytis cinerea</i>)	100 - 150	It is recommended to apply PUELCHE® (WP) in doses of 100 g/hl with low disease pressure and in doses of 150 g/hl with high pressure. Apply with predisposing conditions for the disease (free water or symptoms of the disease), from flowering onwards. Suggested wetting of 1000 l/ha, depending on condition phenological and/or plant size.
Berries (Blueberry, Raspberry, Blackberry, Strawberry and Maqui)	Grey rot (<i>Botrytis cinerea</i>)	100 - 150	It is recommended to apply PUELCHE® (WP) in doses of 100 g/hl with low disease pressure and in doses of 150 g/hl with high pressure. It is recommended to apply PUELCHE® (WP) in doses of 100 g/hl with low disease pressure and in doses of 150 g/hl with high pressure. Apply with predisposing conditions for the disease (free water or symptoms of the disease), from flowering onwards. Suggested wetting of 500 l/ha, depending on phenological stage and/or plant size.
Tomato and Paprika	Early blight (<i>Alternaria solani</i>)	100	It is recommended to apply with predisposing conditions for the disease (free water or symptoms of the disease), from pre-harvest from now on. Suggested wetting of 500 l/ha, depending on phenological stage and/or plant size.
Tomato and Potato	Late blight (<i>Phytophthora infestans</i>)	100	It is recommended to apply with predisposing conditions for the disease (free water or symptoms of the disease). Suggested wetting of 500 l/ha, depending on phenological stage and/or plant size.

Tomato	Grey rot (<i>Botrytis cinerea</i>)	100	It is recommended to apply with predisposing conditions for the disease (free water or symptoms of the disease). Wetting Suggested size of 500 l/ha, depending on phenological stage, type of conduction and/or plant size.
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Preparation of the mixture: Dilute in a bowl of water, the necessary amount of **PUELCHE® (WP)**, shaking vigorously; then let decant for a few minutes, before pouring into the application or irrigation equipment, which has previously been filled with water until the level necessary for the application is completed.

The mixture should be used no later than 4 hours after preparation and kept in constant stirring.

Incompatibility: Incompatibility for co-applications with cupric compounds, fungicides, and antibiotics. Do not mix **PUELCHE® (WP)** with other pesticides without first performing a compatibility test. Check with the manufacturer's compatibility list.

Grace period: There are no deficiency restrictions on the recommended crops.

Re-entry Time: There is no restriction on the time people or animals can re-enter the treated area.

Phytotoxicity: There is no phytotoxicity in recommended crops.

Do not use this product in conjunction with hydrogen peroxide. Compatible with water, monoammonium phosphate, zinc and kerosene. Do not use if there has been a previous application of the pesticides described while they remain active in the target crop (see product coverage time).

Non-toxic to bees, fish, mammals and aquatic organisms.

Use in organic and biodynamic agriculture:

Product suitable for use in Organic Agriculture in accordance with: NOP Regulation and JAS Regulation. Control ECOCERT F-32600.



Product suitable for use in organic agriculture in accordance with the KIWA BCS regulation

**Product suitable for use in Biodynamic Agriculture in accordance with the DEMETER International regulation
Authorized by SAG for Use in Organic Agriculture**



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