

بوليفرسوم POLYVERSUM®

Product presentation POLYVERSUM®

For Organic Use

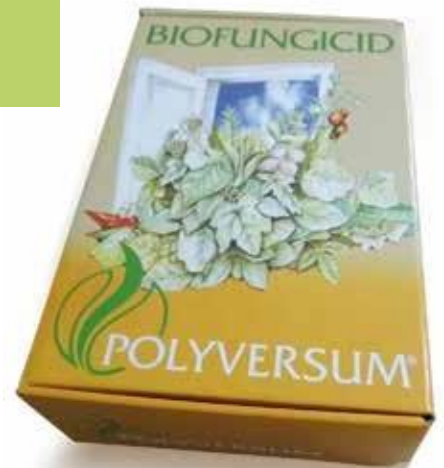
POLYVERSUM® is a biological fungicide used for a wide range of diseases and species combining three modes of action:

- mycoparasitism
- Resistance induction: synthesis of oligandrine (secretion of elicitors)
- Growth Stimulation: secreted pythium oligandrum at the root level, a molecule vital for the biosynthesis of auxin in the form of IAA (Indol-3-acid acetic)

Product **POLYVERSUM®** is a wettable powder containing the active microorganism *Pythium Oligandrum*. This product is suitable for integrated pest control. It is applied by spraying, fertigation, soaking, watering and embedding.



POLYVERSUM® is suitable for organic farming and is registered in Europe (Germany, Austria, France, United Kingdom, Italy, Czech Republic, Poland, Slovakia, Romania, Hungary, Serbia, Macedonia, and Montenegro), the United States, China, Tunisia and Morocco.



Pythium oligandrum - active substance in Polyversum



- Pythium oligandrum parasitizes other microscopic fungi and uses them for its maintenance and survival. Pythium oligandrum penetrates with its parasitic hyphae into the micro-organism and removes nitrogen, carbon and sterols for its own reproduction.
- Due to its specific characteristics, this organism is classified in the Stramenopila - Alveolata - Rhizaria subregion (SAR group). Pythium oligandrum produces zoospores containing from 8 to 40 mobile zoospores that actively seek out parasitic fungi.

Homologation N°:F038-17

- In addition to the characteristic fungal filaments and spiny oospores, Pythium oligandrum produces different enzymes during its metabolism. The enzymes are mainly aimed at facilitating the penetration of hyphae into fungal microorganisms. At the moment when the Pythium oligandrum has nothing left to eat, it becomes dormant to maintain its ability to survive and dilate

Dosage and instructions:

CULTURE	Diseases	Usage doses	Porridge (L water/HA)	Made and Principale of use
Vine (table et cuve)	Fungal diseases (Pythium, Fusarium Verticillium...)	0.3%		- Soaking of the roots and / or fertigation
	Botrytis cinerea, Oïdium, Pourriture acide	0.25kg/ha	500-1000	- Foliar spray
Cereal (corn , barley ...)	Seed treatment: Fusarium, Caries, Septoriose...	0.5 à 0.75 kg/tonne Of seed	5 l	- Seed wrapping
	Foliar treatment Fusariose rouille, septoriose, Oïdium...	100 g/ha	300-400	- Foliar spray
Nursery (gardening crops, arbo, vines, olive trees ...)	Soil diseases (Pythium, Fusarium, Verticillum...)	0.3%		- Fertilizer irrigation - Watering
Olive trees	Verticilliose, Fusariose, Cercosporiose..	250g/ha	800-1000	- Foliar spray
Palm tree	Alternaria (desiccation of twigs)	40-80g/100 L of water	800-1000	- Foliar spray - Fertigation or Irrigation
Market gardening full field (tomato, piper, melon...)	Botrytis, Pythium, Fusarium, Oïdium, Phytophthora, Alternaria ...	100-200g/ha	400-800	- Fertilizer - Foliar spray
Market gardening under a greenhouse (tomato, piper, concombre, melon...)	Botrytis cinerea, Phytophthora	200g/ha	800-1000	- Foliar treatment - Fertigation - Watering
Leafy vegetables (cauliflower, spinach, parsley, celerery)	Alternaria, Botrytis, Fusarium, Verticillium, Bacteriosis	100-200 g/ha	500-800	- Foliar treatment - Fertigation
Fruits vegetables (lettuce, carrot, fennel, beetroot...)	Fusarium, Verticillium, Rhizoctonia, Botrytis	100-200g/ha	500-800	- Foliar treatment - Watering
Strawberry	Root rot (red heart) Phytophthora	0.3%		- Soaking the roots - Seed treatment
	Botrytis, Oïdium	100g/ha	400-800	- Foliar treatment - Fertigation
Potato	Tuber treatment (Rhizoctonia, Mildew ...)	250g/ton	5-10 l of water per tonne	- Soaking the tubers or spraying after planting
	Storage Disease: Brown Rot, Phytophthora	200g/ha	500-800	- Foliar spray - Watering
Sunflower	Sclerotonia Botrytis	100-200 g/ha	500-800	- Foliar spray
Legume (bean, faba beans, peas ..)	Oïdium Anthracnose, Botrytis	100-200g/ha	500-800	- Foliar spray - Watering
Fruit trees (apple tree, ammandier, fishing ...)	Preservative disease (Botrytis, Penicillium, senescence scald ..)	100g/ton of fruits	500-1500	- Foliar spray
	Tavelure, Bitter-pit, blister	150-200g/ha	800-1000	
Citrus	Preservative disease (Alternaria, Penicillium anthracnose ..)	100g/ton of fruits	10l/ton	- Foliar spray
	Phytophthora, Gummosis	250g/ha	1000-1500	