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Environmentally intelligent farming

# MYTECH® WP

MYTECH® WP (L9077) is a biological solution for the control of plant parasitic nematodes.



**River  
Bioscience**

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# MYTECH® WP

MYTECH® WP (L9077) is a biological solution for the control of plant parasitic nematodes.

## PRODUCT SPECS

Active Ingredient: *Paecilomyces lilacinus* isolate F18  
Ingredient Type: Antagonistic Fungi

## PRODUCT USES

Target Pest: Plant parasitic nematodes  
Crops: Vegetables & Flowers

MYTECH® WP controls plant parasitic nematodes through a fatal parasitic process.

## BIOLOGY

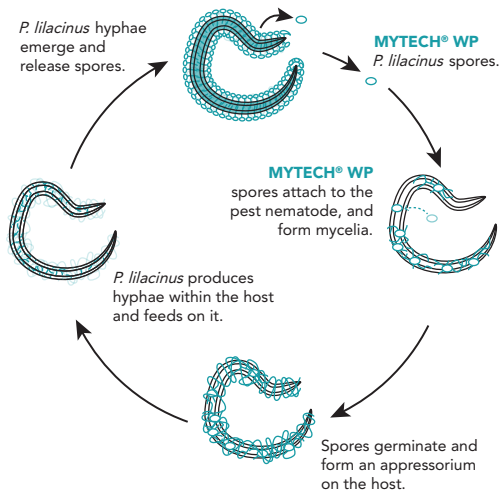
MYTECH® WP contains *Paecilomyces lilacinus* (F18), a naturally occurring nematode killing fungus used to manage plant parasitic nematodes including root knot, cyst, root lesion, burrowing and reniform nematodes amongst others on vegetables and flowers.

## MODE OF ACTION

MYTECH® WP *P. lilacinus* parasitizes and subsequently kills eggs, juveniles and adult females of various plant parasitic nematodes. It manages nematodes through:

- Attachment – upon attachment to the host, *P. lilacinus* forms a dense mass of mycelia that form conidiophores from which spores are formed in long chains.
- Invasion – spores germinate and produce a specialised cell (appressorium) with a penetration peg that enters and infects the host.
- Proliferation – the fungus produces hyphae inside the host's body and feeds on the internal contents.
- Emergence – hyphae emerge from the egg and produce conidia which are released and continue the infection cycle.

## LIFE CYCLE SHOWING ACTION



## ADVANTAGES OF MYTECH® WP

- No resistance development.
- No harmful residues and no phytotoxicity.
- No REI and no PHI.
- Self propagates in the field.
- Active against a wide variety of plant parasitic nematodes.
- Curative and protective activity.
- Good synergy with other soil beneficial organisms such as TRICHOTECH®



## APPLICATION METHOD

MYTECH® WP may be incorporated into growing medium or applied directly as a soil drench, through the drip irrigation system, or as a basal spray using spray equipment.

- Mix the required amount of MYTECH® WP with water using 0.5L for every 125g product.
- Stir well to form a uniform suspension.
- Add the suspension to the required volume of water in the spray tank and mix well.
- After mixing with water the product should be drenched/band applied as soon as possible and washed in with more volumes of water; DO NOT store overnight.

## APPLICATION RATES

**125g** per hectare

Application should be tailored to the method used

## BEST PRACTICE

- Use on well-aerated media or soils for best results.
- Avoid using incompatible pesticides with this product.
- Owing to its mode of action, the production should be applied preventatively before nematodes gain access into the plant roots.

## IPM ADVICE

Before introducing MYTECH® WP to your crop it is important that the plant is clean of negative chemical residues. Please consult your agent or a River Bioscience representative with regards to the Side Effect Guide for compatible chemicals.

## STORAGE

Storage Temperature	6-12°C
Conditions	Dark & dry
Max Storage Duration	6 months from packaging date

## PACKAGING

Beneficial Fungi as packed  
Quantity: 1.0 x 10<sup>10</sup> CFU per gram  
in an inert carrier  
Pack Size: 125g

Do not freeze. Store upright in the original unopened container.

