



# ***Willaertia magna*** C2c Maky lysate

A new large spectrum biocontrol agent against plant diseases

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**ABIM<sup>®</sup>**

Annual Biocontrol Industry Meeting<sup>®</sup>

**22/10/2019**

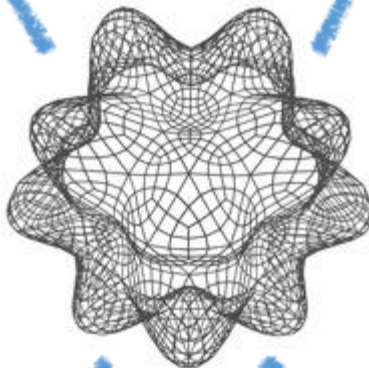
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1500 m<sup>2</sup> of production

## White Biotech

- Biocide
  - Water treatment CT
  - Waste water plant
  - Surface treatment in food
  - Surface treatment in air



400 m<sup>2</sup> of lab



## Red Biotech

- Skin disinfectant
  - Wound care
  - Cosmetology

## Green Biotech

- Biocontrol agent
  - Grape downy mildew
  - Potato late blight
  - Rusts
  - More coming soon

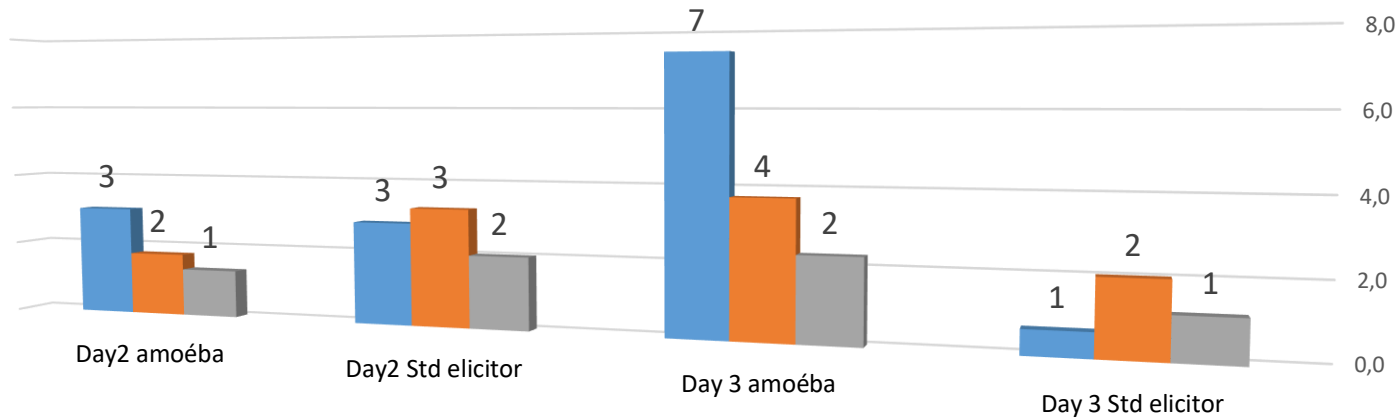
## Blue Biotech

- Fish Aquaculture

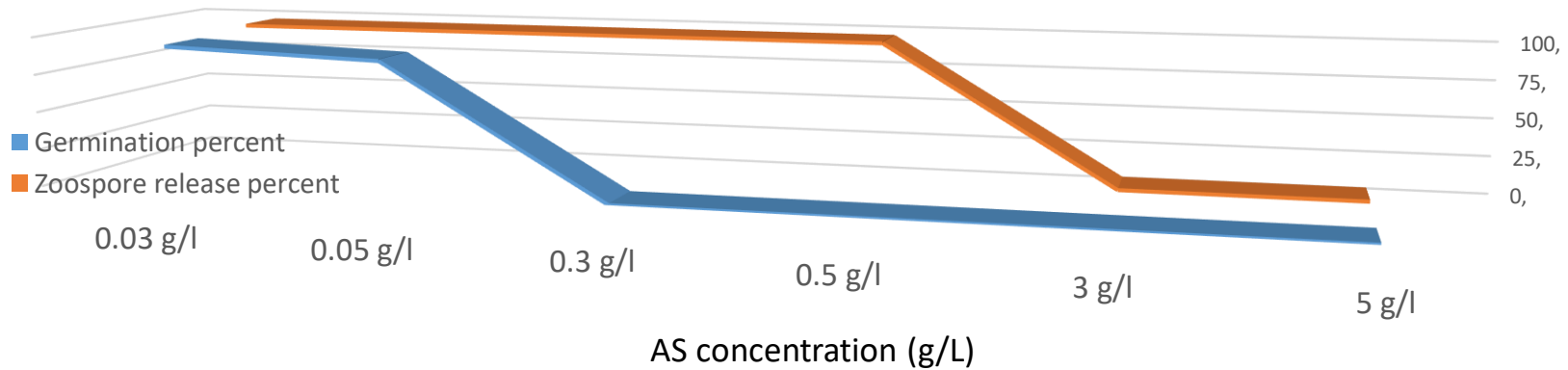
# A double Mode of Action

## Elicitor effect detection by qPFD® (expression of 28 defense genes – qPCR)

■ PR1 ■ PR4 ■ PR5

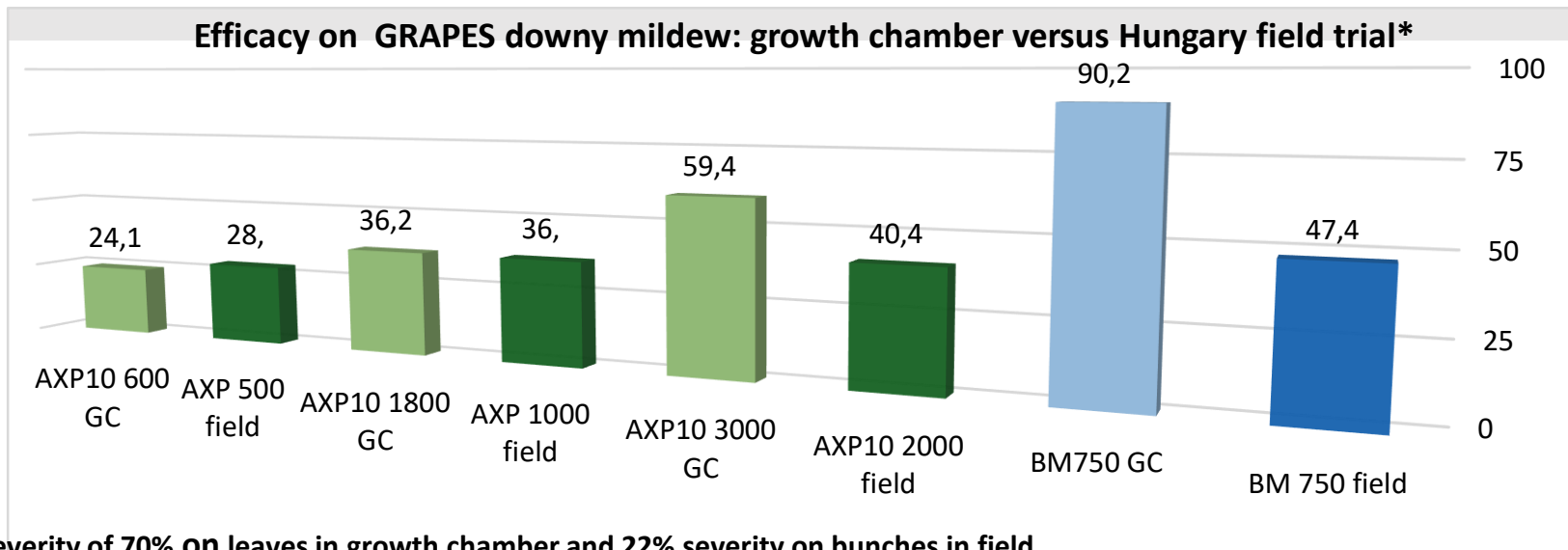


## Direct fungicide effect on *Plasmopara viticola*



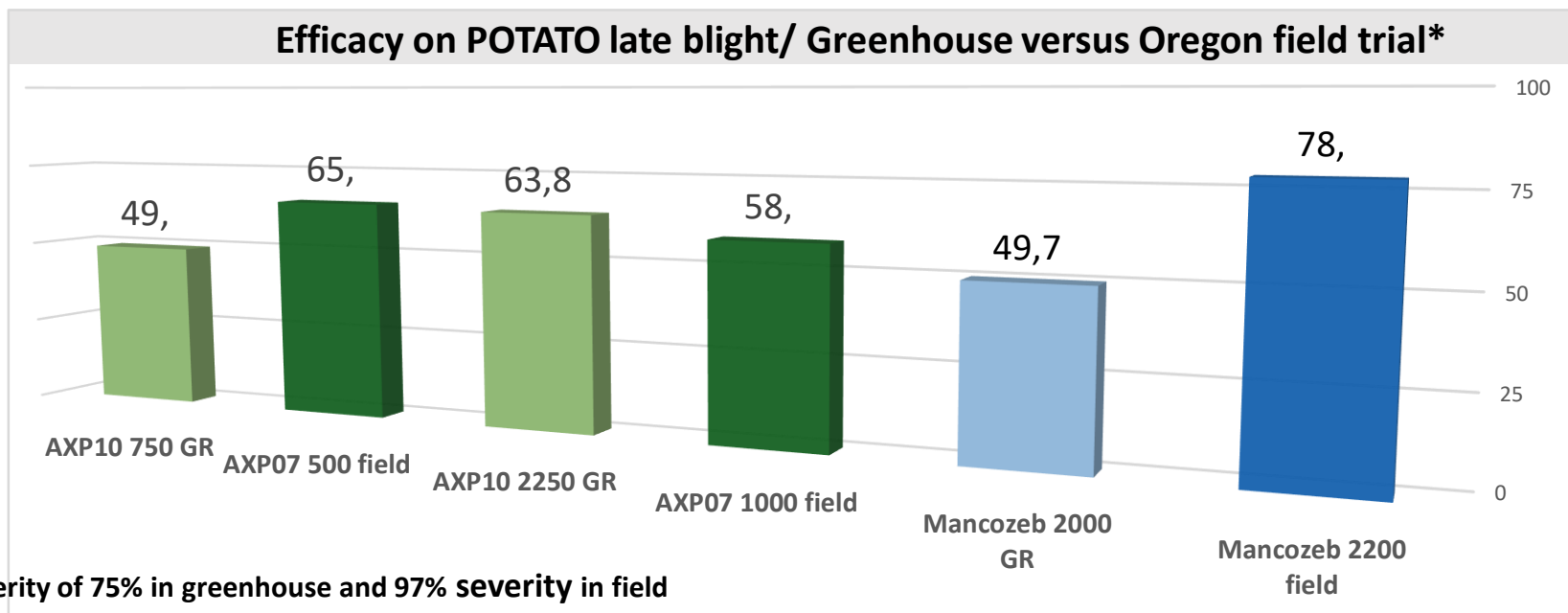
# Lab and field : a very similar response

### Efficacy on GRAPES downy mildew: growth chamber versus Hungary field trial\*



\*Severity of 70% ON leaves in growth chamber and 22% severity on bunches in field

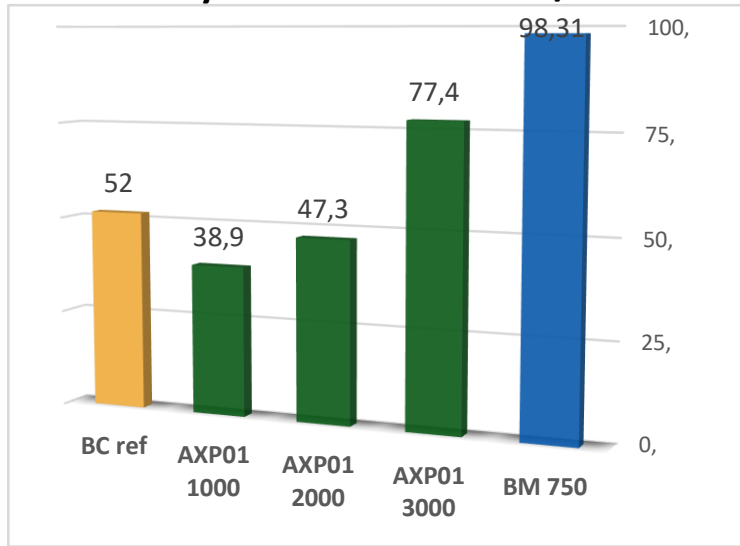
### Efficacy on POTATO late blight/ Greenhouse versus Oregon field trial\*



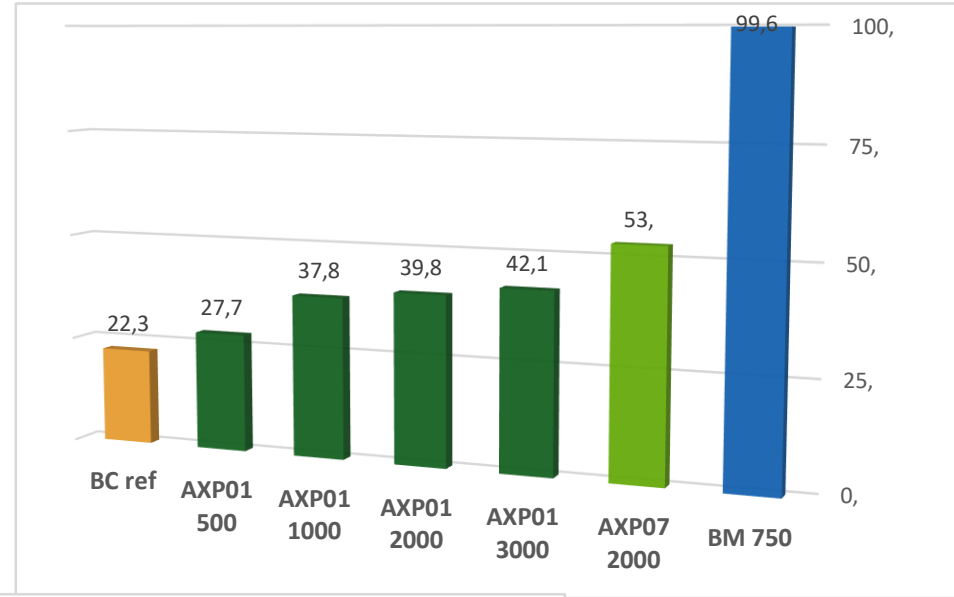
\*Severity of 75% in greenhouse and 97% severity in field

# Grapes Downy Mildew – 50% to 80% control

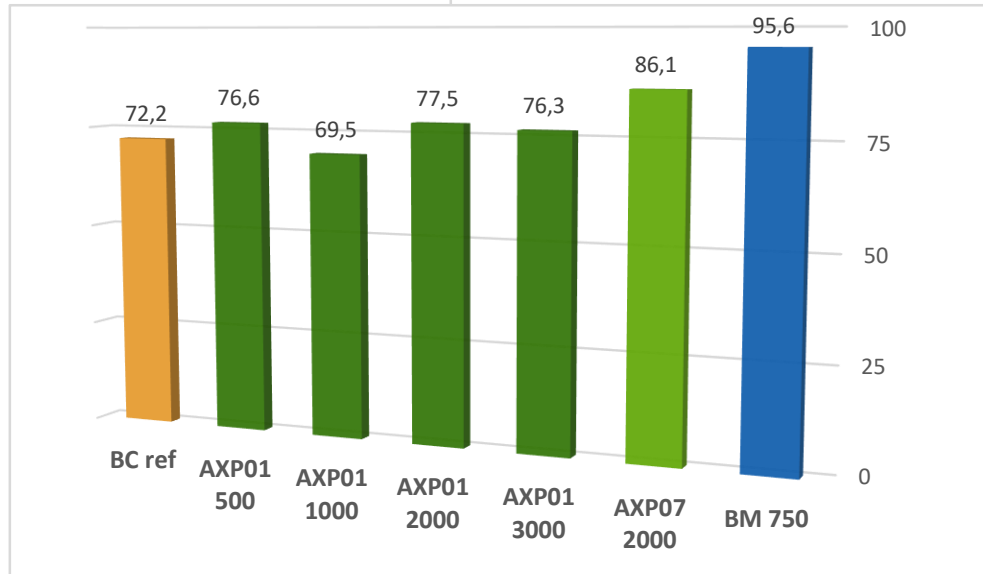
**Efficacy – Grape Downy Mildew -  
7.4% Severity – Bunches – Merlot / FR**

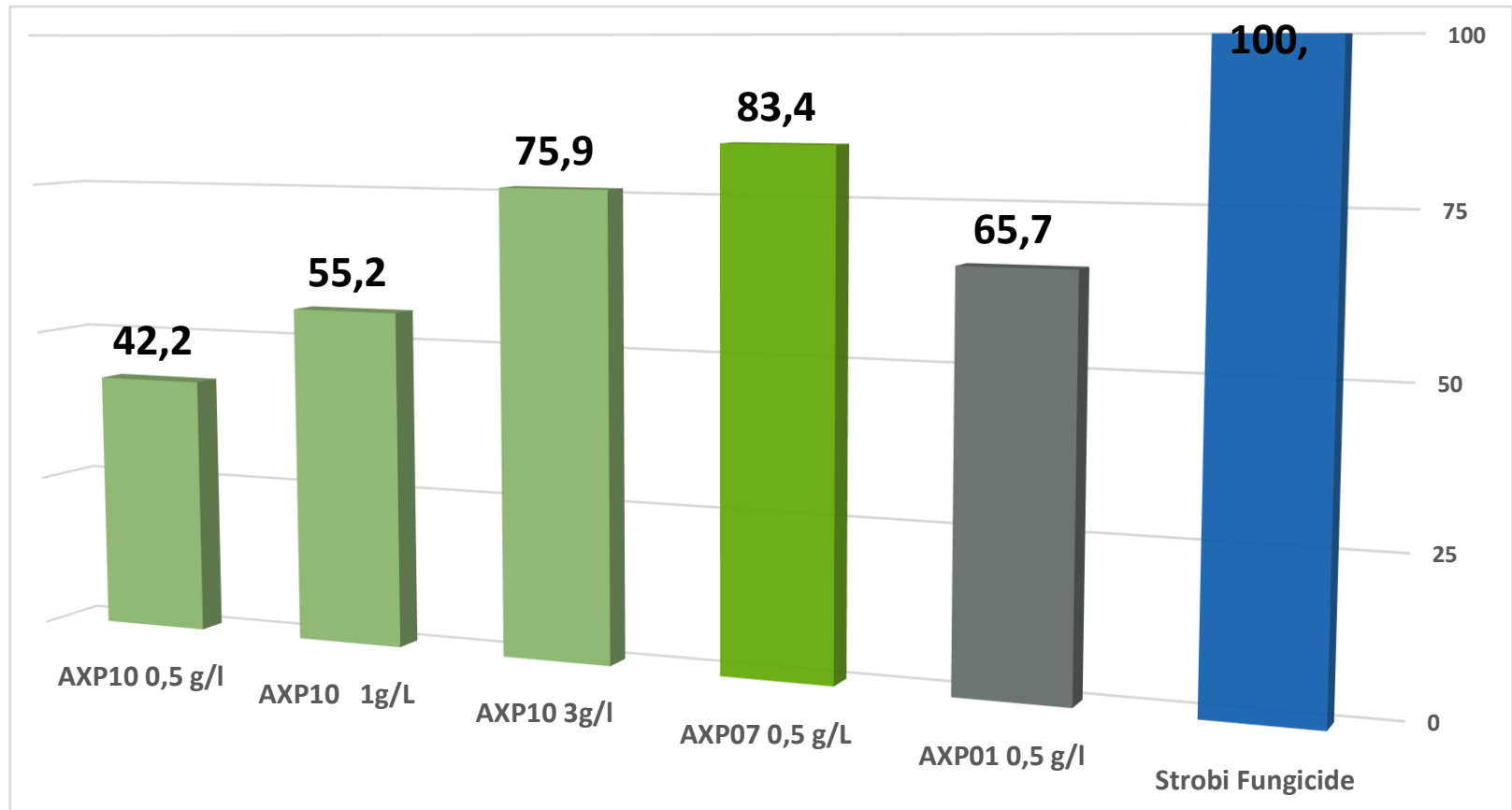


**Efficacy – Grape Downy Mildew  
52% severity – Bunches – Merlot / FR**






**Efficacy – Grape Downy  
Mildew - 34% severity –  
Leaves Grenache /FR**





**Severity of 68.8% on leaves in growth chamber**

# Regulatory status and time to market

Country	Target markets				Dossier submitted	Launch Year (expected)
	Grapes DM	Potatoes LB	Soybean rust	Wheat rusts		
	X	X	X	X	Q1 2020	2022
	X	X		X	Q1 2020	2024/2025
			X		Q4 2021	2023



*Thank you !*

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