Willaertia magna C2c Maky lysate

A new large spectrum biocontrol agent against plant diseases

Sandrine Demanèche – R&D manager
Jean-Luc Souche – Business Development manager
Fabrice Plasson – CEO and founder

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Amoeba a research technology platform

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

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

**Red Biotech**
- Skin desinfectant
  - Wound care
  - Cosmetology

**Blue Biotech**
- Fish Aquaculture

1500 m² of production
400 m² of lab
A double Mode of Action

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

- **PR1**
- **PR4**
- **PR5**

**Day 2 amoéba**
- PR1: 3
- PR4: 2
- PR5: 1

**Day 2 Std elicitor**
- PR1: 3
- PR4: 3
- PR5: 2

**Day 3 amoéba**
- PR1: 7
- PR4: 4
- PR5: 2

**Day 3 Std elicitor**
- PR1: 1
- PR4: 2
- PR5: 1

**Direct fungicide effect on *Plasmopara viticola***

- **Germination percent**
- **Zoospore release percent**

**AS concentration (g/L)**
- 0.03 g/l
- 0.05 g/l
- 0.3 g/l
- 0.5 g/l
- 3 g/l
- 5 g/l

0, 25, 50, 75, 100,
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 - 34% severity – Leaves Grenache /FR

Efficacy – Grape Downy Mildew 52% severity – Bunches – Merlot / FR
Strong efficacy in planta on Faba bean rust (Uromyces fabae)

Severity of 68.8% on leaves in growth chamber
## Regulatory status and time to market

<table>
<thead>
<tr>
<th>Country</th>
<th>Target markets</th>
<th>Dossier submitted</th>
<th>Launch Year (expected)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Grapes DM</td>
<td>Potatoes LB</td>
<td>Soybean rust</td>
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<tr>
<td>🇺🇸 America</td>
<td>X</td>
<td>X</td>
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Thank you!

Jean-Luc Souche – Business Development manager
jl.souche@amoeba-biodecide.com

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