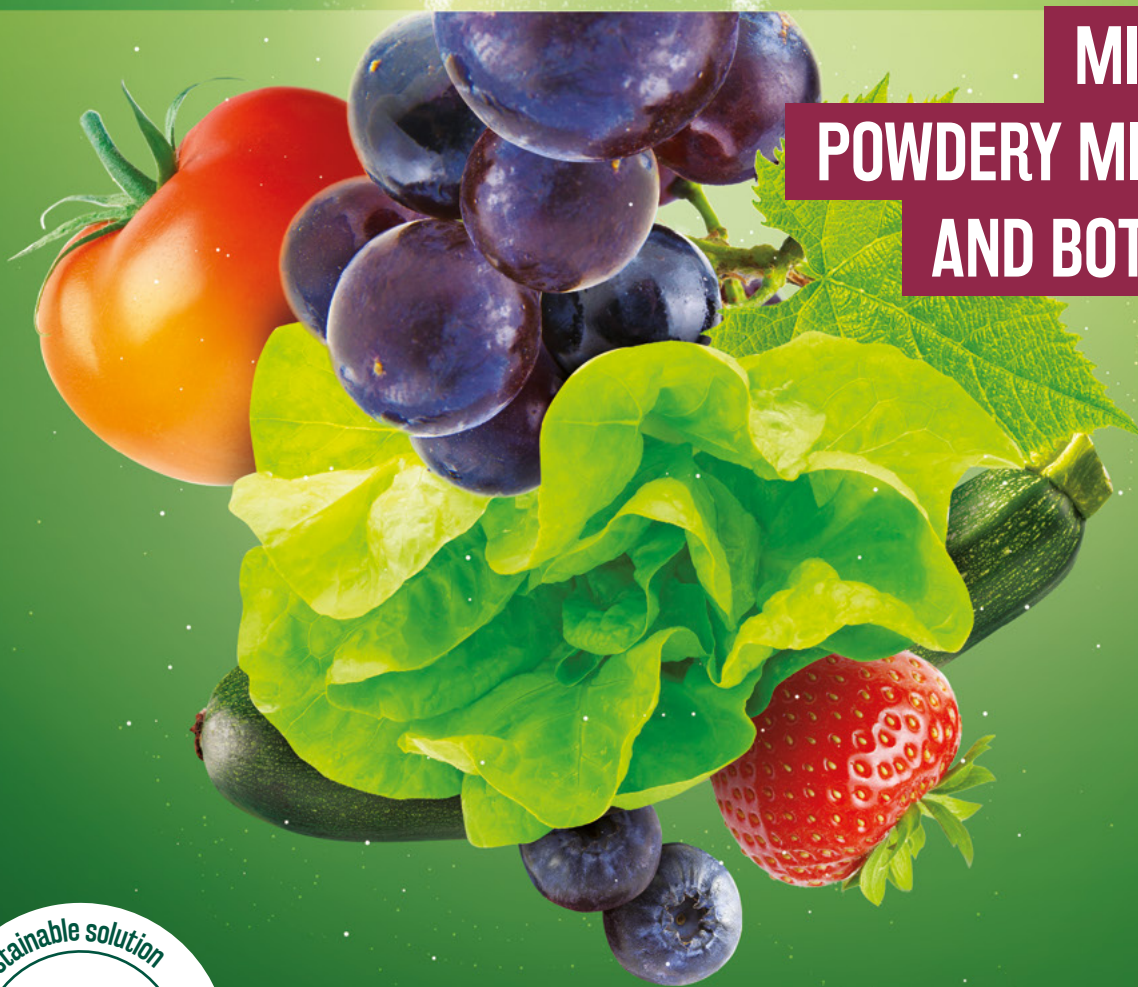




Natural Plant Stimulator to fight against

**MILDEW,
POWDERY MILDEW,
AND BOTRYTIS**



Product not approve for Brazil



Agrauxine
by Lesaffre

Romeo®

**Systemic resistance inducer
against foliar fungal diseases :**
downy mildew, powdery mildew, botrytis,
bremia, apple scab...

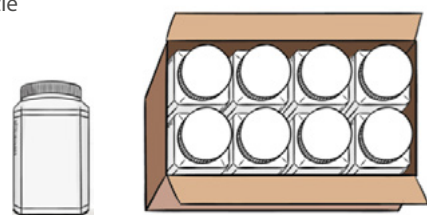
Romeo is a product containing
the active ingredient Cerevisane®.
The active is the cell wall of the yeast
Saccharomyces cerevisiae strain LAS117.
Cerevisane induces internal preventive plant
defense mechanisms against key diseases :
downy mildew, powdery mildew and botrytis.

PRODUCT IDENTITY

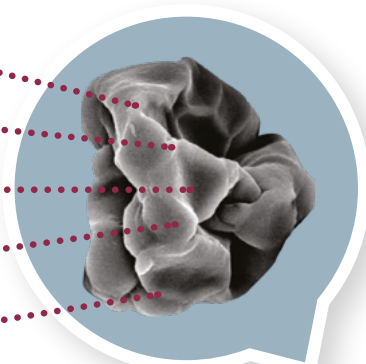
- Composition :**
94.1% a.i. Cerevisane®
patented by Lesaffre
R&D in 2006
- Formulation :**
Wettable Powder (WP)
- Non living,** can be
easy use in tank mix
with chemicals
- Resistance
Management**
- Compatible with
organic farming
- Preventive
Foliar
application**
- Approval EU on
the 23/04/2015
for **15 years.**
Listed in annex
of regulation
540/2011 as a low
risk substance.
EPA approval
since 10/09/2018
- No **MLR** (UE
Annex
IV of Regulation
EC 396/2005)
MRL exemption
for USA (Federal
Register /Vol. 83,
No. 154 /Thursday,
August 9, 2018)
- Application**
at low dose rate

PRODUCT PACKAGING

> 1Kg and 2Lbs
(for USA) per bottle
> 8 bottle per box



LIPIDS
PROTEINS
CHITINS
MANNANS
GLUCANS



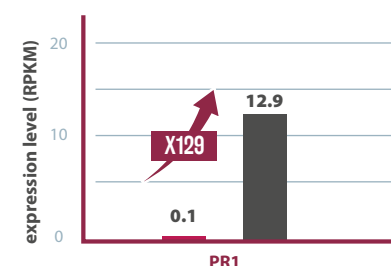
**Cerevisane® structure,
microscopic picture
(SEM),** source : Agrauxine
Lesaffre Plant Care

MODE OF ACTION

**Expression level
of PR1 gene (RPKM)**
1 day after application of Romeo

UTC ROME0

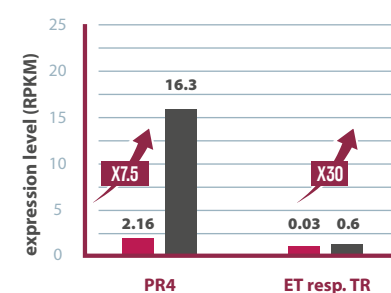
PR1 is a marker gene of the
defense pathway dependent on
Salicylic Acid (SA)



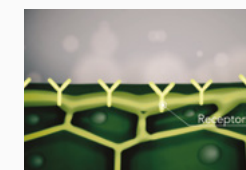
**Expression level of PR4
and ET resp. TR genes (RPKM)**
1 day after application of Romeo

UTC ROME0

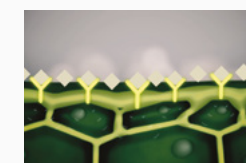
PR4/ET resp. TR are marker genes
of the defense pathway dependent on
Jasmonic Acid (JA) and Ethylene (ET)



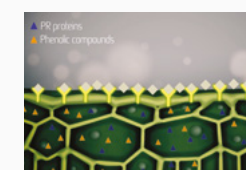
**Mimics a microbial attack
perception by the plant**



**Activation of cell
signaling cascade**



**Induction of
defense genes**

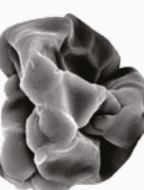
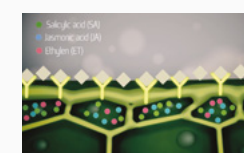


- Preventive,
foliar spray
- Effective 1 day
after application

**Plant protection
against broad spectrum
fungal diseases**



**Metabolic changes =
effective defenses**

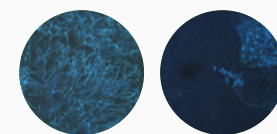
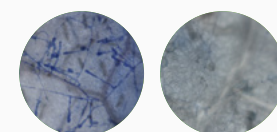


**Internal colonisation
of Erysiphe Necator
(powdery mildew)**

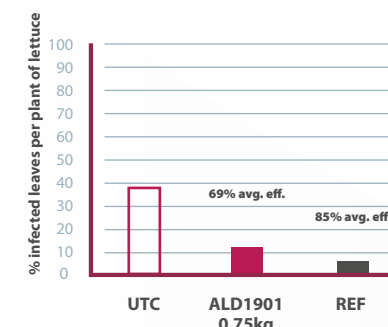
**Internal colonisation
of Plasmopara viticola
(downy mildew)
7 days after
inoculation**

Source : INRA Dijon (Fr)

UTC Cerevisane®



TRIALS RESULTS

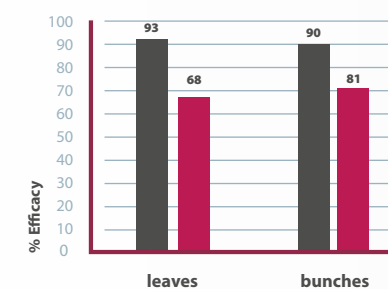


**% Infected
leaves per
lettuce**



9 GEP greenhouse trials
from 2010 to 2015
in FR, IT, ES, DE

4-7 foliar applications,
every 7-14 days at
400-1000 L/ha



**Grapevine Downy
Mildew - % efficacy**

Average 8 GEP trials
(2009-2015, FR, IT, ES)

UTC : 9,2% sev. on
leaves; 10,6% sev. on
bunches

UTC Réf.

Romeo



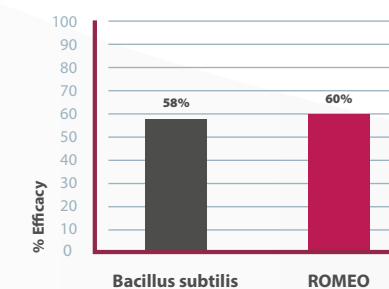
**% Incidence
on Strawberry botrytis
on flowers and fruits**

Réf.

TELDOR 1kg/ha

ROME0 0,5 kg/ha

ROME0 0,75 kg/ha



**Grapevine Botrytis
% efficacy**

Average 6 GEP trials
(2011-2013, FR, IT)

UTC : 23% sev. on
bunches; 47% incidence

Réf.

Romeo

Crops	Targets	Rates
GRAPE & TABLE GRAPE	Powdery mildew Downy mildew Botrytis cinerea	0,25 kg/ha
LEAFY VEGETABLES AND LETTUCE	Bremia lactucae Botrytis Rhizoctonia	0,75 kg/ha
CUCURBITS, MELONS, CUCUMBERS, ZUCCHINI	Powdery mildew Downy mildew Botrytis	0,5 kg/ha
FRUITING VEGETABLES TOMATO, EGGPLANT, PEPPER	Powdery mildew Botrytis cinerea	0,5 – 0,75 kg/ha
SMALL FRUITS: BLUEBERRY, RASPBERRY, STRAWBERRY	Powdery mildew Botrytis cinerea	0,5 – 0,75 kg/ha
ROOT AND TUBER VEGETABLES CARROTS	Powdery mildew Alternaria	0,5 – 0,75 kg/ha

For more information
and actuality, visit our website :

www.agrauxine.com