



**Julietta®**



**AGAINST BOTRYTIS  
AGAINST MONILIA**

**Natural  
source  
of Protection**



**Agrauxine**  
by Lesaffre





Julietta® is a biofungicide based on living yeast *Saccharomyces cerevisiae* strain LAS02. This yeast strain has been selected for its survival and quick development capabilities that allow it to colonize the medium before Botrytis and Monilia. Its natural origin makes it an environmentally friendly solution compatible with a modern and respectful agriculture for the environment, the consumers and farmer. Julietta® can be used in conventional, organic and zero residue agriculture \*.

BIOFUNGICIDE AGAINST  
BOTRYTIS AND MONILIA  
AMM N°2190010

## PRODUCT IDENTITY

**Active ingredient:**  
96.1% *S. cerevisiae*  
strain LAS02  
(10<sup>13</sup> cfu / kg)

**Formulation :**  
granule  
dispersible (WG),  
easy to mix

**Packaging :**  
vacuum aluminized bag  
0.5 Kg and 5 Kg

**Exempted**  
from Maximum  
Residue Limit

**Time before  
harvest:** 1 day

**Aquatic ZNT:**  
5 meters

## MODE OF ACTION

Julietta® settle especially in weakened areas of plants and fruits that are gateways to Botrytis and Monilia infections: micro-wounds, sores, harvest wounds, insect bites...

Julietta® acts preventively by space and nutritive competition. The speed of development of *Saccharomyces cerevisiae* strain LAS02 prevents disease infections by protecting potential entrances on sensitive parts (fruits, wounds, flowers...). Julietta® is able to develop into ranges of temperature and pH wider than Botrytis and Monilioses. Julietta® therefore allows robust protection against pathogens.

Observation  
on the Loup  
binocular on injury  
X30 magnification  
source: Agrauxine Lesaffre  
Plant Care, 2018



Colonies of  
*Saccharomyces  
cerevisiae* strain  
LAS02



## ADVANTAGES JULIETTA®



Compatible with  
**zero residue program\***



Usable in  
**Organic farming**  
in application of the ECN No 834/2007



**Easy to use**



**No effect** on winemaking  
and distillation



**Not affecting** the fruits,  
perfect selectivity



**Flexibility on program**  
up to 1 day before harvest  
to preserve the quality and  
harvest conservation



**Resistance Management**



**From 6 to 8 applications  
maximum** according to the uses  
for a possible coverage of  
the entire period of risk



**Low Pre Harvest Interval  
and Re Entry Interval**





## RECOMMENDATIONS FOR APPLICATION

**Julietta® acts preventively before the appearance of Botrytis and Monilioses.**

Applications require good spraying quality by well covering the areas to protect: bunches, fruits, leaves, wounds size and flowers.

**Conditions of application must to be done preferably:**

- Just after the rain to prevent phases of contamination in field.
- After stripping or pruning or tomato and strawberry production.
- Late field application timing allows post-harvest protection.

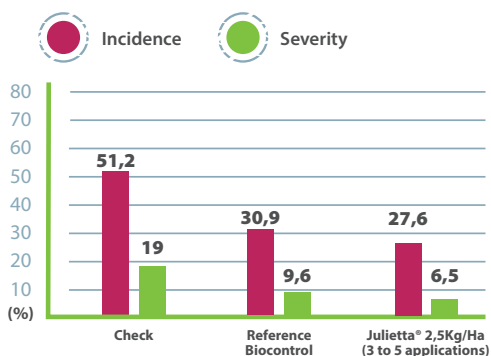
Application on structures of entrance to **Monilia** and **Botrytis**: flowers, fruits, leaves and sores

## TRIALS RESULTS

**Julietta® achieve technical results equivalent to fungicide and biofungicide conventional references.**

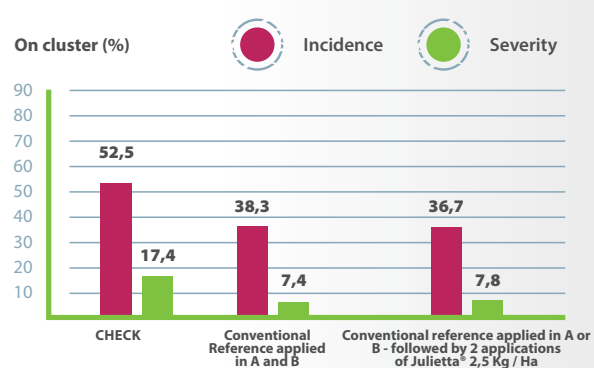
### Wine grapes Botrytis % Incidence and % Severity on cluster Julietta® compared to Biocontrol references

12 GEP trials (2011, 2012, 2013, 2014, 2016 / FR, IT, SP)

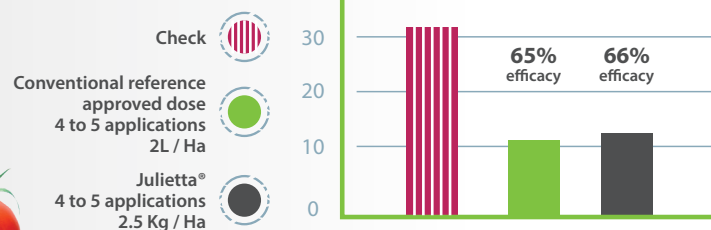


### Wine grapes Botrytis % Incidence and % Severity on cluster Mixed program between conventional reference and Julietta® compared to the program of two conventional references

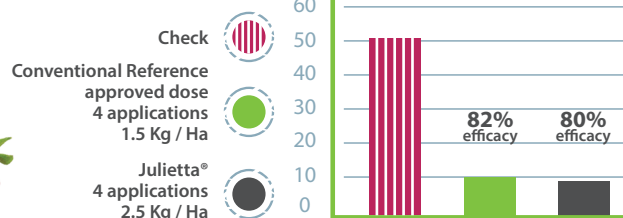
19 trials (2014, 2016, 2017 / FR, IT, SP, DE)



### Tomato Botrytis % Incidence on leaves (6 GEP trials in greenhouses)

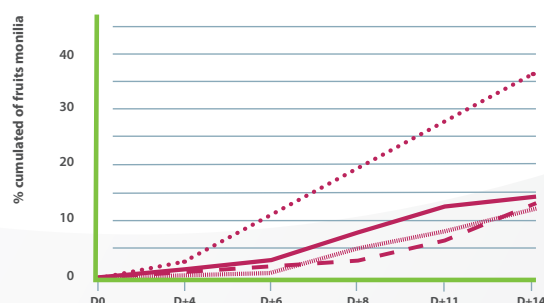


### Botrytis Strawberry % Incidence on fruits after cold storage (7 GEP trials)



### Monilia Peach % fruits with monilia in conservation

2018 trial conducted in partnership with SEFRA (Experimental Station Fruits Rhône-Alpes) Etoile-sur-Rhone, France.



Check

Program 3 applications Conventional Ref.

Mixed program 2 applications Conventional Ref. followed by Julietta® 2.5Kg / Ha

Program of 4 applications Julietta® 2,5Kg / Ha



## UTILIZATION AND DOSES



Crops	Methods of use approved	Dose /ha	Maximum number of applications authorized	Interval between applications	Application stage
GRAPES (TABLE GRAPES AND WINE GRAPES)	Treatment of aerial parts Management of gray mold ( <i>Botrytis cinerea</i> )	2,5 kg	6	7 days	BBCH 60 to 89
PEACH, APRICOT AND NECTARINE	Treatment of aerial parts Management of Monilia	2,5 kg	8	7 days	BBCH 51 to 89
PLUMS	Treatment of aerial parts Management of Monilia	2,5 kg	8	7 days	BBCH 51 to 89
TOMATO, EGGPLANT	Treatment of aerial parts Management of gray mold ( <i>Botrytis cinerea</i> )	2,5 kg	8	7 days	BBCH 12 to 89
PEPPER	Treatment of aerial parts Management of gray mold ( <i>Botrytis cinerea</i> )	2,5 kg	8	7 days	BBCH 12 to 89
STRAWBERRY	Treatment of aerial parts Management of gray mold ( <i>Botrytis cinerea</i> )	2,5 kg	8	7 days	BBCH 12 to 89
SMALL BERRY FRUITS (RASPBERRY,BLUEBERRY,GOSSE- BERRY,BLACKBERRY...)	Treatment of aerial parts Management of gray mold ( <i>Botrytis cinerea</i> )	2,5 kg	8	7 days	BBCH 12 to 89

# Natural source of Protection



\* active substances exempted from MRLs  
are generally accepted in the notebooks  
load type zero residue / no residue.  
Check with your certifying agency.  
For authorized uses, doses, conditions  
and restrictions of use, refer to the product label.