



# PREV-AM

\* PREV-AM is also marketed as PREV-AM PLUS and PREVAM



## Control of Cleistothecia using PREV-AM

TDB

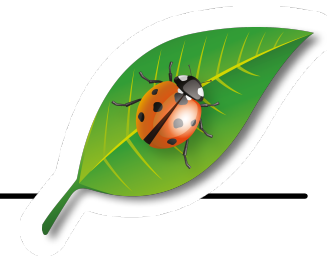


# Basic information



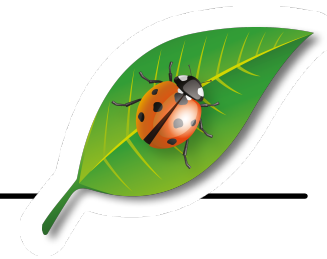
<b>Target:</b>	Powdery mildew ( <i>Erysiphe necator</i> )
<b>Crop:</b>	Wine grape cv Aglianico
<b>Spray water volume:</b>	1000 l/ha
<b>Location:</b>	Acquaviva delle Fonti, Bari - Italy
<b>Trial date:</b>	October 2015 – June 2016
<b>Researcher(s):</b>	Antonio Guarino – Coop Agrolab

# Field situation

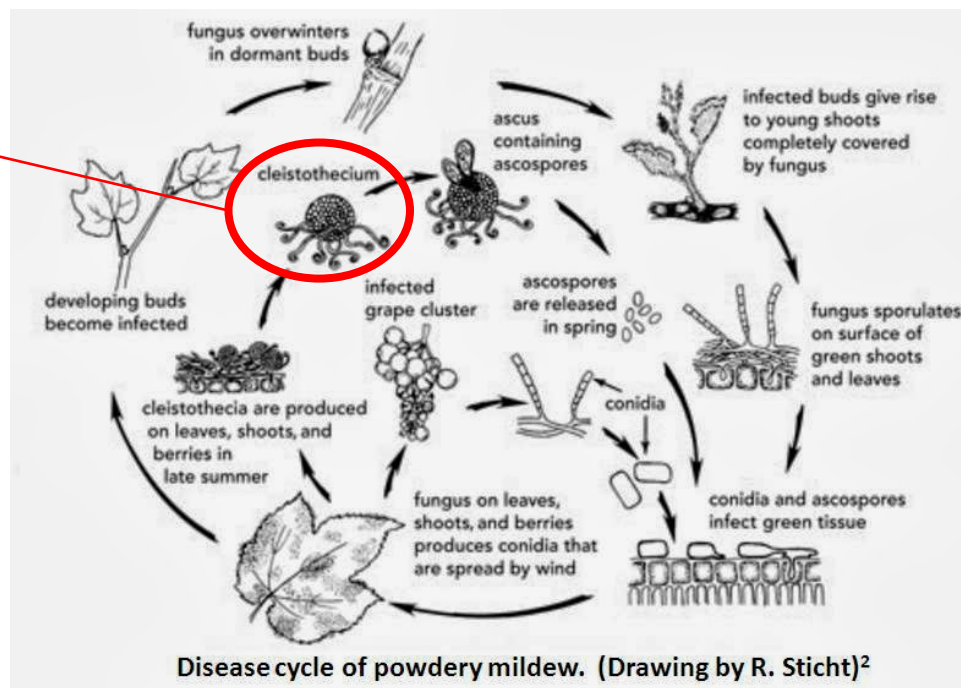
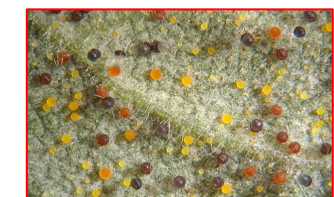


- The trial consisted of 4 thesis:
  - Prev-am 400 ml/hl
  - Sulphur (Tiovit Jet) 500 g/hl
  - Meptyl dinocap (Karathane star) 40 ml/hl
  - UTC
- The aim of this trial was to demonstrate the correlation between "density of cleistothecia" in autumn and intensity of powdery mildew in the following season
- The trial was carried out on blocks of about 230 m<sup>2</sup>, divided in 4 sub-areas to obtain 4 replications for each thesis
- The first application was performed after the harvest, at the appearance of the cleistothecia. Two application were initially planned, but three application (12/10 – 19/10 – 24/10/2015) in total with 7 days of interval were done using a motorized backpack sprayer with a single cone nozzle (HC Albuz yellow) because a heavy rain occurred after the second application.
- On 22 June 2016 an assessment was carried out on the vegetation during the maturation stage (BBCH 73-75) in order to evaluate, on the new vegetation, the effect of the active substances used in the previous autumn.
- Three applications of sulphur were performed from April to June on all thesis.

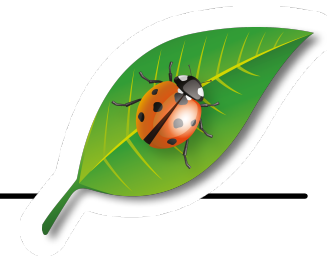
# Field situation



## Stage of Powdery Mildew when Prev-am was applied

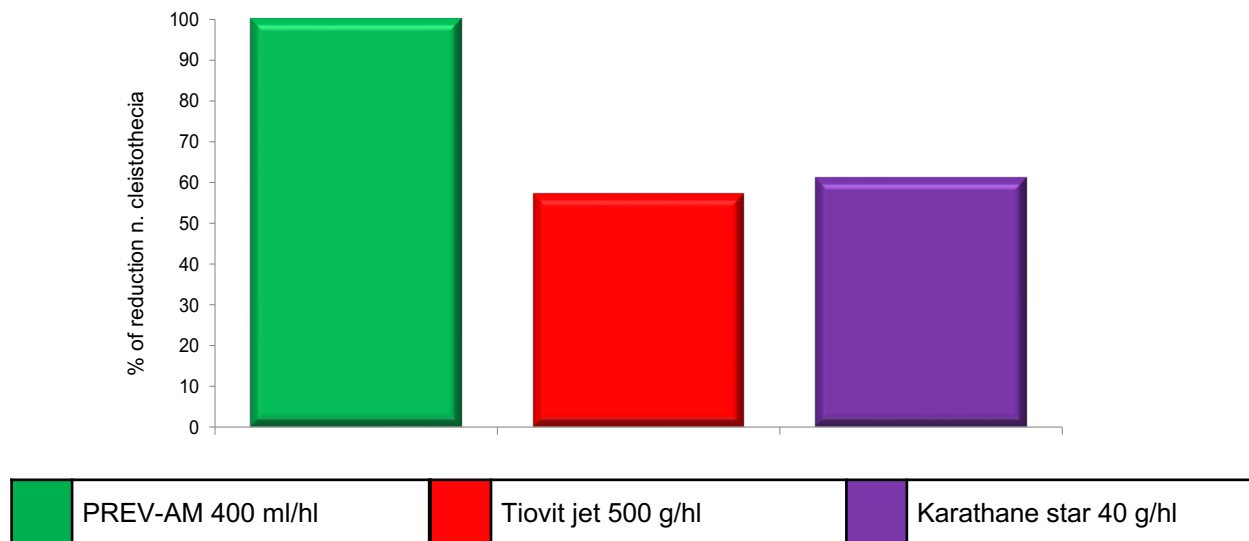


# Results



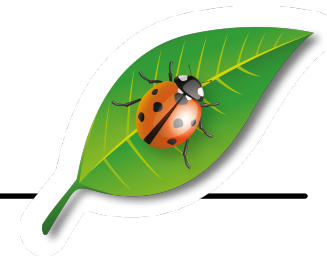
## First Assessment – Cleistothecia on leaves

% reduction n. of cleistothecia (treated leaves vs UTC leaves)



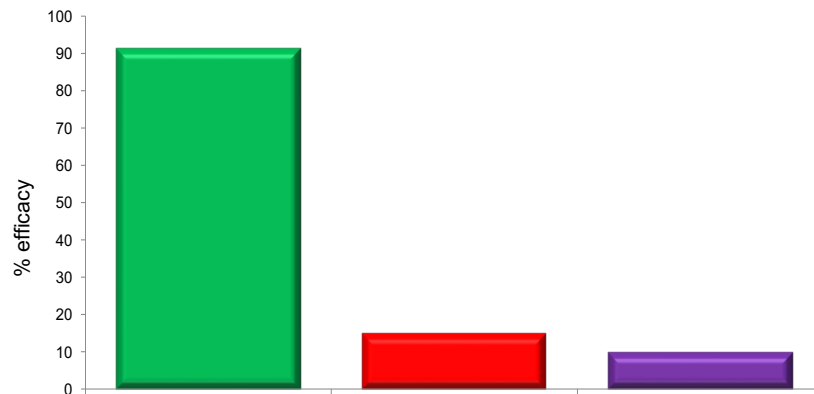
**UTC infection rate: 326,1 n. of cleistothecia per leaf on 29/10/2015 (20,9 on 12/10/2015)**

# Results



## Second Assessment – Powdery mildew on bunches

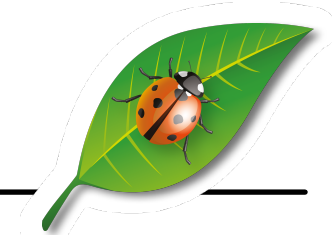
Efficacy on bunches (Severity)



	PREV-AM 400 ml/hl	Tiovit jet 500 g/hl	Karathane star 40 g/hl

Untreated at 22/06/2016 70% bunches infected

# Conclusion



- The trial showed a good control level of cleistothecia using PREV-AM after the harvest
- In particular, PREV-AM inhibited the formation of cleistothecia, reducing also in the following vegetative season the severity of infections on the clusters, certainly due to the reduced inoculum in the treated area.