



## Milastin K for bio-management of Powdery Mildew (*Uncinulanecator*) in grapes

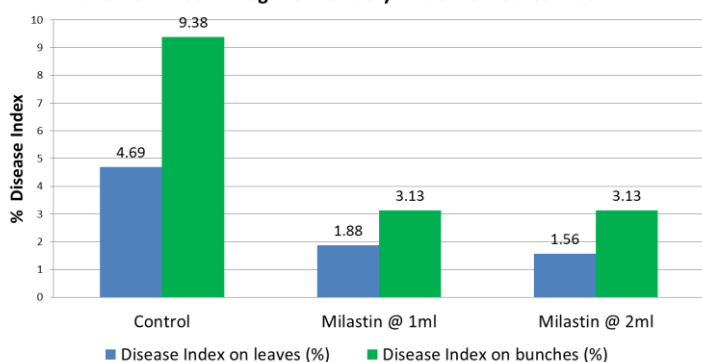
Milastin K- *Bacillus subtilis* KTSB 1015

### Protocol:

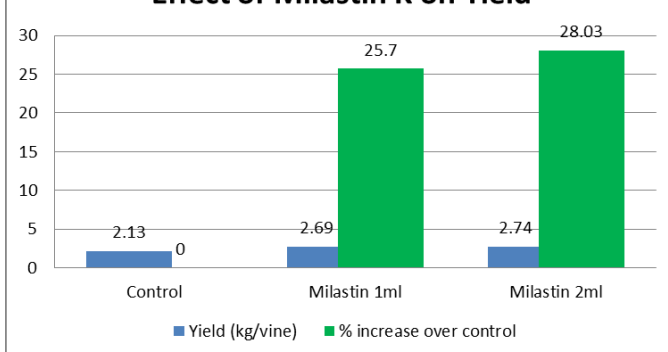
**Crop:** Grapes (Thompson Seedless)  
**Institute:** National Research Centre for Grapes Manjri  
**Year of trial:** 2008-09  
**Trial No:** IRGS/CR(14)/2008-09/Kan bio  
**Product:** MilastinK (*Bacillus subtilis* KTSB 1015) 1.15 %  
**Application:** Five to six sprays @ 1 - 2 ml/L from 30-119 days after pruning (24.11.08 to 24.01.09)

Treatment	Control	Treated 1ml	Treated 2ml
Disease Index on leaves (%)	4.69	1.88	1.56
Disease Index on bunches(%)	9.38	3.13	3.13
Yield(kg/vine)	2.13	2.69	2.74
% increase in yield over control	0	25.70	28.03

Effect of Milastin K against Powdery Mildew on leaves & bunch



Effect of Milastin K on Yield



### Conclusion:

- Five to six sprays of Milastin K @ 1ml/L from 30 to 119 days after pruning effectively controlled powdery mildew on leaves and bunches in grapes.
- Spraying of Milastin K @ 1ml & 2 ml /Lt gave 25.70% & 28.03% higher yield respectively than control treatment
- MilastinK did not show any phytotoxic effect on vines when sprayed at a dose up to 2 ml /Lt.

