



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

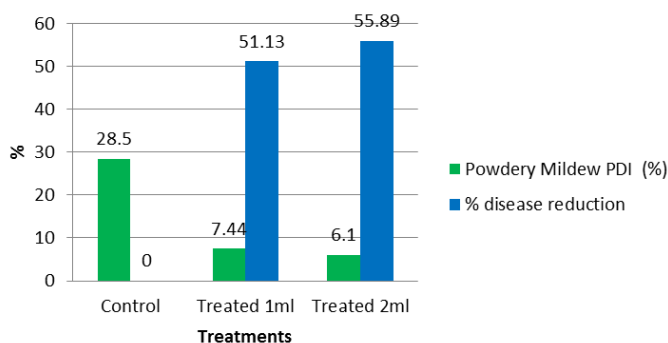
Milastin K- *Bacillus subtilis* KTSB 1015

### Protocol:

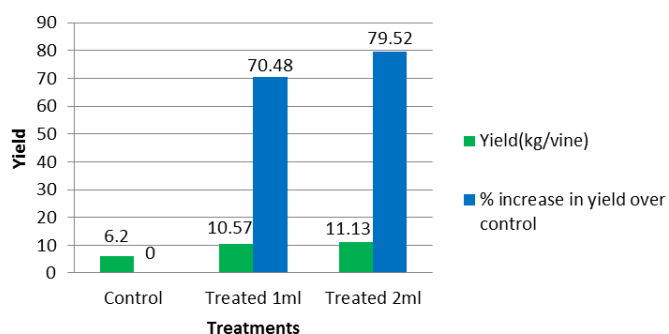
**Crop:** Grapes (Thompson seedless)  
**Institute:** University of Horticultural Sciences, Bijapur  
**Year of trial:** 2011-12  
**Trial No:** UHSB/Chemtest/1070/2012-13/2803  
**Product:** Milastin K (*Bacillus subtilis* KTSB 1015) 1.15 %  
**Application:** Three sprays @ 1- 2 ml/L

Treatment	Control	Treated 1ml	Treated 2ml
Powdery Mildew PDI (%)	28.50	7.44	6.10
Yield(kg/vine)	6.20	10.57	11.13
% disease reduction	0.00	51.13	55.89
% increase in yield over control	0.00	70.48	79.52

**Effect of Milastin K on Powdery Mildew**



**Effect of Milastin K on Yield**



### Conclusion:

1. Three sprays of Milastin K @ 1ml/L & 2 ml/ L effectively controlled powdery mildew in grapes.
2. Spraying of Milastin K @ 1ml & 2 ml /Lt gave 70.48% & 79.52 % increase in yield respectively over control.
3. Milastin K did not show any phytotoxic effect on vines when sprayed at a dose up to 2ml/Lt.
4. Milastin K is compatible with fungicides (like Tridimefon)

