



Milastin K for bio-management of Powdery Mildew (*Uncinula necator*) & Leaf Spot (*Cercospora abelmoschi*) in Okra

Milastin K- *Bacillus subtilis* KTSB 1015

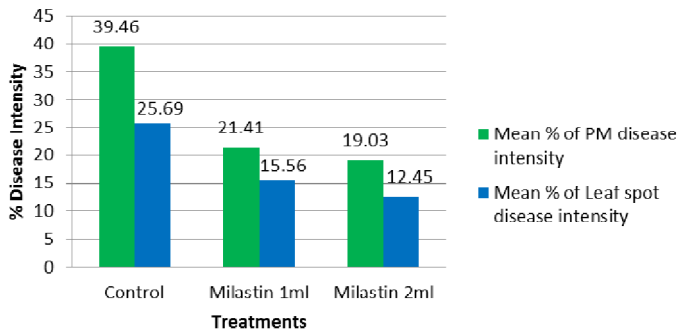
Protocol:

Crop & Variety: Okra [Nirmal-303(Jullee)]
Institute: Mahatma Phule Krishi Vidyapeeth, Rahuri
Year of trial: 2010-11
Trial No: DOR/ DDR-III/T-3/Consent/ 370/2011 dtd. 27.1.2011
Product: Milastin K
Application: Three sprays @ 1 - 2 ml/L

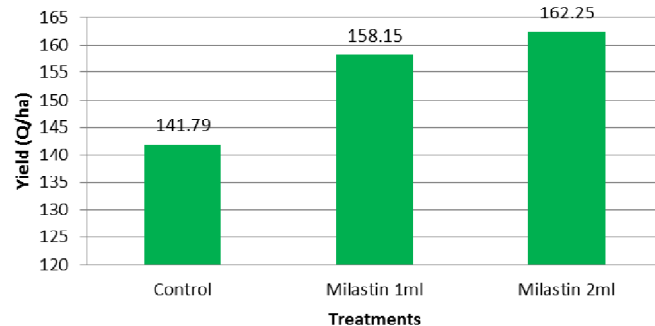
Treatment	Control	Treated 1ml	Treated 2ml
% Disease Intensity of Powdery Mildew	39.46	21.41 (45.76)*	19.03 (51.77)*
% Disease Index on Leaf spot	25.69	15.56 (39.43)*	12.45 (51.53)*
Yield(Q/ha)	141.77	158.05	162.25
% increase in yield over control	0.00	11.48	14.45

* % Disease reduction

Effect of Milastin K on PM & Leaf Spot



Effect of Milastin K on Yield (Q/ha)



Conclusion:

1. Three sprays of Milastin K @ 1 to 2ml/L decreased the intensity of Powdery Mildew & Leaf spot by 45.76 % & 51.77 % respectively
2. Spraying of Milastin K @ 1 ml/L and to 2ml/L increased the yield by 11.48 % & 14.45 % respectively
3. Milastin K did not show any phytotoxic effect on okra when sprayed at a dose up to 2 ml/Lt.
4. Milastin K is compatible with prominent fungicides like carbendazim.

