

Experimental Details:

Treatments : 5

Tr. No.	Spray No.	Details of Module	Formulation	Conc. (%)	Dose (ml/g per lit)
M ₁	I	<i>Beauveria bassiana</i> (NAU strain)	1 × 10 ⁸ CFU/g	0.007	5 g
	II	Bt (<i>Bacillus thuringiensis</i> var. <i>kurstaki</i>)	1 × 10 ¹¹ spores/g	0.2	2 g
	III	<i>Beauveria bassiana</i> (NAU strain)	1 × 10 ⁸ CFU/g	0.007	5 g
	IV	Bt (<i>Bacillus thuringiensis</i> var. <i>kurstaki</i>)	1 × 10 ¹¹ spores/g	0.2	2 g
M ₂	I	Azadiractin	10000 ppm	--	2 ml
	II	Neem oil (+ Sticker)	1500 ppm	--	3 ml
	III	Azadiractin (10000 ppm)	10000 ppm	--	2 ml
	IV	Neem oil (+ Sticker)	1500 ppm	--	3 ml
M ₃	I	Bt formulation powder (<i>Bacillus thuringiensis</i> var. <i>kurstaki</i>)	1 × 10 ¹¹ spores/g	0.2	2 g
	II	Azadiractin	10000 ppm	0.002	2 ml
	III	<i>Beauveria bassiana</i> (NAU strain)	1 × 10 ⁸ CFU/g	0.007	5 ml
	IV	Neem oil (+ Sticker)	1500 ppm	--	3 ml
M ₄	I	Profenofos	50 EC	0.075	1.5 ml
	II	Indoxacarb	14.5 SC	0.007	0.5 ml
	III	Profenofos 40% + Cypermethrin 4% (Ready-mix)	44 EC	0.044	1 ml
	IV	Deltamethrin @ 1 ml/l	2.8 EC	0.003	1 ml
M ₅	--	Control (Without spray)	--	--	--

* Sticker @ 0.5 ml/lit

Module No.	Module details
M ₁	Biopesticide
M ₂	Botanicals
M ₃	Biopesticide + Botanicals
M ₄	Standard check (Insecticide only)
M ₅	Control
# Irrigation will be applied after each spray.	

Sr. No. of spray	Time of Application	Target major insect pests
I	November (last week)	Chiku moth & Seed borer
II	February (last week)	Bud borer, Chiku moth & Seed borer
III	March (last week)	
IV	April (last week)	