



Mahatma Phule Krishi Vidyapeeth, Rahuri

All India Coordinated Research Project on Biological Control of Crop Pests and Weeds

1.	Year of Start	:	1990-91			
2.	Contact Details	:				
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3.	Objectives/Mandates	:	<ul style="list-style-type: none">• Survey and identification of natural enemies• Introduction of exotic natural enemies• Laboratory testing and field evaluation of potential bioagents• Development of mass production and field release techniques of effective bioagents• Multi-location testing of different bioagents• Demonstration and promotion of effective bioagents on farmers’ fields• Maintenance of nucleus cultures of bioagents and their supply to different biocontrol laboratories for experimentation.• Mass production of bioagents			
4.	Infrastructure	:				
	Land	:	1.20 ha			
	Irrigation facilities	:	Available			
	Laboratories	:	Available			
	Advanced facilities	:	Available			
5.	Human Resource	:				
	Technical Staff	:	SN	Designation	Discipline	Remarks
			1	Entomologist	Agril. Entomology	Filled
			2	Asstt. Entomologist	Agril. Entomology	Filled
	Non-Technical Staff	:	SN	Designation	No of posts	Remarks
			1	--	--	--
6.	Research Achievements	:				
	Recommendations	:	09			
7.	Ongoing Research	:				
		1.	Survey, surveillance and collection of natural enemies in different agro-ecological zones and on different crops			
		2.	Survey and record of incidence of pin worm, <i>Tuta absoluta</i> on tomato			
		3.	Monitoring the incidence of papaya mealy bugs (PMB) and its natural enemies on papaya and other alternate hosts			

	4.	Monitoring of sugarcane woolly aphid incidence and impact assessment of natural enemies on its bio suppression.
	5.	Monitoring the outbreaks for invasive mealybug on cotton.
	6.	Surveillance for pest outbreak and alien invasive pests
	7.	Evaluation of NBAIR <i>Bt</i> formulation on pigeon pea against pod borer complex
	8.	Evaluation of entomofungal agents and botanicals for the management of sucking pests in cotton
	9.	Large scale demonstration of <i>Trichogramma chilonis</i> against sugarcane borers
	10.	Field efficacy of EPN strains against white grubs in sugarcane
	11.	Field efficacy of dose application of EPN against white grubs in sugarcane
	12.	Bio-intensive pest management of <i>Helicoverpa armigera</i> , <i>Tuta absoluta</i> and sucking pests of tomato
	13.	Bio-intensive insect and nematode (RKN) management in brinjal
	14.	Biological management of red spider mite <i>Tetranychus urticae</i> infesting rose in polyhouse conditions.
	15.	Biological suppression of fall armyworm, <i>Spodoptera frugiperda</i> (Smith) in maize