



Mahatma Phule Krishi Vidyapeeth, Rahuri

AICRP on Arid Zone Fruits, MPKV, Rahuri

1.	Year of Start	:	17 th August, 1976 (1980-81 AICRP)				
2.	Contact Details	:					
	Postal Address	:	AICRP on Arid Zone Fruits, MPKV., Rahuri				
	Phone No.	:	(02426) 243247(O) (02426) 232953 (R) 07588513383 (M)				
	Email	:	azfhort@gmail.com				
3.	Objectives/Mandates	:	<ul style="list-style-type: none">• Collection, maintenance and evaluation of germplasm.• Survey and surveillance of arid zone fruits.• Varietal improvement.• Water management studies.• Integrated nutrient management of dryland fruit crop.• Integrated pest and disease management of dryland fruit crops.				
4.	Infrastructure	:					
	Land	:	20.00 hectors land available at central campus, Rahuri				
	Irrigation facilities	:	Farm pond. Bore well and canal				
5.	Human Resource	:					
	Technical Staff	:					
			SN	Designation	Discipline	No. of post	Remarks
			1	Horticulturist	Horticulture (Fruits)	1	Filled
			2	Assistant Professor	Entomology	1	Filled
			3	Assistant Professor	Plant Pathology	1	Filled
			4	Assistant Professor	Horticulture (Fruits)	1	Filled
			5	Senior Research Assistant	Horticulture (Fruits)	2	Vacant 1
	Non-Technical Staff	:	SN	Designation		No of posts	Remarks
			1	Agril. Assistant		01	Filled
			2	Mali		03	Filled
			3.	Lab Attendant		01	Filled
6.	Research Achievements	:					
	Varieties	:	Released: 04		Recommended : 02		
	Recommendations	:	20				
7.	Ongoing Research	:					
	1.		Evaluation of pomegranate germplasm				Pomegranate
	2.		Genetic improvement of pomegranate through breeding with special reference to earliness.				
	3.		Comparative study of tissue cultured V/s air layered sapling of Pomegranate, cv. Bhagwa				

4.	Standardization of rootstock of pomegranate for propagation through budding and grafting.	
5.	Evaluation of sweet type varieties.	
6.	Evaluation of sour type varieties.	
7.	Evaluation of Rootstalk of pomegranate.	
8.	Genetic improvement of pomegranate through breeding for aril softness and earliness in Pomegranate.	
9.	Mutation breeding in Pomegranate	
10.	Evaluation of custard apple germplasm.	Annona
11.	Varietal trial in custard apple	
12.	Integrated nutrient management on custard apple.	
13.	Germplasm evaluation of fig	Fig
14.	Varietal trial in Fig	
15.	Integrated nutrient management in fig Cv. Poona Fig	
16.	Germplasm evaluation of aonla	Aonla
17.	Integrated nutrient management in aonla Cv. NA-7	
18.	Germplasm evaluation of ber	Ber
19.	Evaluation of germplasm of jamun.	Jamun
20.	High density planting in jamun	
21.	Variability studies in jamun (<i>Syzygiumcumini</i> Skeels.)	
PEST MANAGEMENT		
1.	Survey of insects, mites and other pests and their natural enemies.	Pomegranate
2.	Population dynamics of major pests	Pomegranate
3.	Screening of germplasm against major pests	Pomegranate
4.	Screening of germplasm against major pests	Ber
5.	Eco friendly management of mealy bugs on custard apple	custard apple
6.	Evaluation of different cover bags to fruiting body for the control of fruit borer & fruit Sucking moth on pomegranate.	Pomegranate
7.	Bioefficacy of new insecticide molecule cyantraniliprole (10.26% OD) against pest complex of pomegranate	Pomegranate
8.	Bio management of fruit borer in jamun	Jamun
DISEASE MANAGEMENT		
1.	Survey of pomegranate orchard for identification of off type resistance against oily spot disease and various fungal diseases.	Pomegranate
2.	Studies on Epidemiology of leaf and fruit spot of Pomegranate	Pomegranate
3.	Studies on Epidemiology of powdery mildew of ber	Ber
4.	Screening of germplasm of pomegranate for resistance against Leaf spot disease	Pomegranate
5.	Screening of germplasm of custard apple for resistance against anthracnose diseases caused by <i>colletotrichum gloeosporioides</i> .	Custard Apple
6.	<i>In vitro</i> study of <i>Xanthomonas axonopodispvpunicae</i> against different bactericides and fungicides	Pomegranate
7.	Effect of bio-control agent and fungicide drenching on incidence Pomegranate die-back (wilt)	Pomegranate
8.	Management of bacterial blight of Pomegranate under field conditions	Pomegranate