

## Zonal Agricultural Research Station, Ganeshkhind Pune National Agricultural Research Project, Ganeshkhind, Pune

1.	Year of Start	: 1986
2.	<b>Contact Details</b>	:
	Postal Address	: Associate Director of Research, Zonal Agricultural Research
		Station, NARP, Ganeshkhind, Pune-411067, Maharashtra, India.
	Phone No.	: 020-25693750
	Fax No.	: 020-25698734
-	Email	: zars_gkpune@rediffmail.com
3.	Objectives/Mandates	<ul> <li>This research project acts as a centre for lead functions for fruit crops, vegetables, flower crops, microbiological research, biological control of pest and verification functions for the crops like cereals, pulses, oilseeds together with cropping system research, micronutrient research, post harvest technology.</li> <li>Yield &amp; quality improvement in fruits like, grapes, pomegranate,</li> </ul>
		guava, sapota, fig, by way of seedling selection, clonal selection, grafting, budding and breeding.
		• Collection, maintenance and evaluation of improved varieties of various fruit and flower crops. Propogation for production of disease free planting material of horticultural crops through tissue culture.
		• Development and standardization of agro-techniques for fruits and field crops of the Plain Zone.
		• Survey and research on soil fertility, improvement of soil health, micro & macro-nutrient for fruit and fruit crop.
		• Research on appropriate use of bio-fertilizer in cereals, pulses, oilseeds, flower, fruit and vegetable crops.
		• Integrated pest & disease management of fruit crops & vegetables.
		• Collection, maintenance and assessment of Rajma bean germplasm for vegetable and seed.
		• Physiological studies for attributing higher yield in fruits crops.
		• Investigations on physiological disorders in fruits crops. Use of plant growth regulators for improvement of quality and yield of flowers.
		• Development of vegetable based cropping sequences under irrigated condition.
		• Post harvest handling, processing and storage studies like packaging, transportation, preservation in different horticultural crops along with research on processing machineries.
		• Constraint analysis in adoption of improved technologies by farmers.
		• Marketing studies in respect of fruits, vegetables and flowers.
		• Economics of farming system.
		• Adaptability studies and development of packages for spices and

	<ul><li>plantation crops and their cropping systems.</li><li>Production of disease free and healthy planting material</li></ul>								
		of fruits	and flower crops.						
4.	Infrastructure :								
	Land :	-	equirement from 58.77 ha	a					
	Laboratories :	Yes							
_	Irrigation facilities	River and	River and Borewell						
5.	Human Resource :								
	<b>Technical Staff</b> :	CN							
		SN 1	<b>Designation</b> Associate Director of	Discipline	Remarks				
		1.	Research -1	Horticulture	Vacant-1				
		2.	Professor -1	Horticulture	Filled				
		3	Associate Professor	Plant Breeding,	Filled				
		4	Associate Professor	Economics	Filled				
		5	Associate Professor	Post Harvest Tech	Pooled				
		6	Associate Professor	Agronomy	Vacant				
		7	Associate Professor	Pomology	Filled				
		8	Assistant Professor	Pomology	Filled				
		9	Assistant Professor	Plant Pathology	Pooled				
		10	Assistant Professor	Tissue culture	Vacant				
		11	Assistant Professor	Statistics	Filled				
		12	Assistant Professor -2	Entomology	Vacant				
		13	Assistant Professor	Agril. Proc.	Filled				
				Engg.					
		14	Assistant Professor	Soil Sci & Chem	Filled				
		15	Assistant Professor	Microbiology (Pl. Pathology)	Filled				
		16	Assistant Professor	Floriculture	Filled				
		17	Assistant Professor	Post Harvest Tech	Filled				
		SN	Designation	No of posts	Remarks				
	Non-Technical Staff :	1	Office		Pooled				
		÷	Superintendent	1					
		2	Asstt. Superintendent	1	Filled				
		3	Jr. Steno.	1	Vacant				
		4	Artist/Photo	1	Filled				
				-					
		5	Wireman	1	Filled				
		5	Wireman Tractor Driver	1	Filled Vacant				
				1 1 1					

6.	Research : Achievements	Varieties: 2 <i>I</i> Recommenda	Rajmash bean- Varun, Mango- Phule Abhiruchi tions: 32			
7.	Ongoing Possoarah					
7.	Ongoing Research :	Sr. No.	Title of the Experiment			
			Pomology			
		Mango				
		1 Ultra	high density planting in Mango.			
		Guava				
		1 Evalu	ation of $F_1$ guava hybrids.			
		2 Evalu Zone condi	ation of red flesh guava selections under Plain			
		3 Evalu	ation of $L_{24} P_{1 \text{ and }} L_{24} P_{15}$ (Sel.) for horticultural rmance			
		4 Devel	opment of guava hybrids.			
		Sapota				
		1 Rejuv	renation of sapota orchard.			
			Rajmah Breeding (Botany)			
		<i>Kharif</i> , 2019	)			
			uct of Rajmah breeding trials.			
			location varietal trial of Rajmash at NARP,			
			shkhind, A.R.S., Karad and CSRS, Padegaon.			
			n trial of promising genotypes of Rajmash bean.			
		4 Study GRB-	of Mutation breeding of Rajmash bean var.			
			of advanced generations $F_1$ $F_2$ , $F_3$ , $F_4$ $F_5$ and $F_6$			
			on programme			
		1 Nucle	us seed production programme of released variety and GRB-902.			
		Rajm	rosses will be made by using six parents of ash bean			
			RB-902 (2) GRB -701 (3) GRB-804 (4) PDR- ) Varun (6) HUR-137			
			on varietal trials of other crops			
			onal varietal Trial of Pigeon pea.			
			location Varietal trial of Maize.			
		3 Multi	location varietal trial of sweet corn.			
		Rabi, 2019				
		1 Adva	nce varietal trial of Rajmash bean (MULLaRP).			
			varietal trial of Rajmash bean (MULLaRP).			
			location varietal trial of Rajmash bean.			
			er and Truthful Seed production programme of			
			and P. Rajmah.			
			ation of germplasm of Rajmash bean.			
		irriga				
		7 State	Multilocation varietal trials of Chickpea (Kabuli).			

Agronomy         1       Effect of sowing windows and genotypes on yield and economics of Rajmah (grain)- Rajmah (green pods)-Coriander cropping sequence under irrigated conditions         2       Integrated weed management in Rajmah-Groundnut (TPG-41)-Okra (Phule Utkarsha) cropping system unde irrigated conditions.         3       To study the effect of sowing dates and genotypes in soyabean -Rajmah (green pods)- Groundnut cropping system under irrigated conditions.         3       To study the effect of sowing dates and genotypes in soyabean -Rajmah (green pods)- Groundnut cropping system under irrigated conditions.         1       Effect of soil and foliar applications of humic acid on growth, yield, quality parameters of brinjal (Krishna) and chemical properties of soil.         2       Influence of iron and zinc on growth, yield, nutrient uptake and quality of China aster.         3       Influence of graded levels of NPK dose on yield and quality of tuberose (Cv. <i>Phule Rajani</i> ).         4       Multi location trial on Papaya Nutrition .         2       Effect of split doses of biofertilisers and chemical fertilizers on growth and yield of tuberose (Cv. Rajani )	8	Regional varietal trial of Chickpea (DL).				
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