



Mahatma Phule Krishi Vidyapeeth, Rahuri

AICRP on Potato, National Agricultural Research Project, Ganeshkhind, Pune

1.	Year of Start	:	4 th May, 2009												
2.	Contact Details	:													
	Postal Address	:	National Agricultural Research Project (PZ), Ganeshkhind, Aundh-Khadki Road, Pune- 411067												
	Phone No.	:	020-25693750												
	Fax No.	:	020-25698734												
	Email	:	zars_gkpune@rediffmail.com												
3.	Objectives/Mandates	:	<ul style="list-style-type: none"> To evaluate the potato hybrids for yield and disease incidence. To conduct experiments on crop production of potato. To study the pests and diseases on potato and their integrated management. To conduct the experiments for increasing per hectare yield of potato. To disseminate the recent technologies among the potato growers. 												
4.	Infrastructure	:													
	Land	:	58.77 ha												
	Irrigation facilities	:	River and Borewell												
5.	Human Resource	:													
	Technical Staff	:	<table border="1"> <thead> <tr> <th>SN</th><th>Designation</th><th>Discipline</th><th>Remarks</th></tr> </thead> <tbody> <tr> <td>1</td><td>Jr. Scientist</td><td>Horticulture</td><td>Filled</td></tr> <tr> <td>2</td><td>Jr. Scientist</td><td>Entomology</td><td>Filled</td></tr> </tbody> </table>	SN	Designation	Discipline	Remarks	1	Jr. Scientist	Horticulture	Filled	2	Jr. Scientist	Entomology	Filled
SN	Designation	Discipline	Remarks												
1	Jr. Scientist	Horticulture	Filled												
2	Jr. Scientist	Entomology	Filled												
	Non-Technical Staff	:	<table border="1"> <thead> <tr> <th>SN</th><th>Designation</th><th>No of posts</th><th>Remarks</th></tr> </thead> <tbody> <tr> <td>1</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	SN	Designation	No of posts	Remarks	1	--	--	--				
SN	Designation	No of posts	Remarks												
1	--	--	--												
6.	Research Achievements	:													
	Recommendations	:	06												
7.	Ongoing Research	:													

Sr.	Title of the experiment	Season	
Crop improvement			
1	Advanced Varietal Trial (Avt) With Medium Maturing Hybrids.	Kharif	Rabi
2	Initial Varietal Trial (Ivt) With Medium Maturing White Skinned Hybrids.	Kharif	Rabi
3	Initial Varietal Trial (Ivt) With Early Maturing Hybrids.	Kharif	Rabi
4	Evaluation of Red Skinned Potato Hybrids.	Kharif	-
5	Evaluation of Processing (French Fries) hybrids.	Kharif	-
6	Evaluation of Processing (Chips) Hybrids.	Kharif	Rabi
7	Evaluation of Heat Tolerant Potato hybrids.	Kharif	

Crop production			
1	Develop site specific NPK requirement	-	<i>Rabi</i>
2	Validation of QUEFTS Model	-	<i>Rabi</i>
Plant Pathology			
1	Monitoring of late blight and A ₂ mating type of <i>Phytophthora infestans</i> (Montagne) in standing potato crop and tubers at harvest and after cold storage.	-	<i>Rabi</i>
2	Surveillance of important potato pests in the region (pest capture	-	<i>Rabi</i>
3	Scheduling of fungicide application for the management of early blight disease of potato.	<i>Kharif</i>	<i>Rabi</i>
4	Scheduling of fungicide application for the management of late blight disease of potato.	<i>Kharif</i>	<i>Rabi</i>
5	Studies on rate of degeneration of tubers.	-	<i>Rabi</i>
6	Management of Early Blight of Potato by using gamma irradiated Chitosan.	Kharif	-
Crop Improvement (Pathology)			
1	Screening of early and late blight diseases on medium maturing potato hybrids.	<i>Kharif</i>	<i>Rabi</i>
2	Screening of early blight, late blight and viral diseases on table potato hybrids.	<i>Kharif</i>	<i>Rabi</i>
3	Screening of early blight, late blight and viral diseases on early potato hybrids.	<i>Kharif</i>	<i>Rabi</i>
4	Screening of early blight, late blight and viral diseases on red skinned hybrids of potato.	<i>Kharif</i>	<i>Rabi</i>
5	Screening of early blight, late blight and viral diseases on processing hybrids of potato.	<i>Kharif</i>	<i>Rabi</i>
6	Screening of early blight, late blight and viral diseases on chips purpose processing hybrids of potato.	<i>Kharif</i>	<i>Rabi</i>
7	Screening of early blight, late blight and viral diseases on heat tolerance potato hybrids.	<i>Kharif</i>	-
Agricultural Entomology			
1	Monitoring of aphids, whiteflies, thrips, hoppers and mites in unsprayed <i>Kharif</i> potato crop.	<i>Kharif</i>	-
2	Monitoring of aphids, whiteflies, thrips hoppers and mites in unsprayed <i>Rabi</i> potato	-	<i>Rabi</i>
3	Field efficacy of flonicamid against aphids on potato crop.	-	<i>Rabi</i>
4	Field efficacy of some insecticides against hoppers in potato crop.	-	<i>Rabi</i>
5	Management of whiteflies in potato.	-	<i>Rabi</i>
6	Evaluation of effective chemical against shoot borer on potato	<i>Kharif</i>	-
7	Evaluation of plant product for the management of sucking insect pests of potato.	<i>Kharif</i>	-
	Total	20	21