



Mahatma Phule Krishi Vidyapeeth, Rahuri

AICRP on Summer Groundnut, MPKV, Rahuri

1.	Year of Start	:	1992-93												
2.	Contact Details	:													
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3.	Objectives/Mandates	:	<p>A) Crop improvement</p> <ul style="list-style-type: none"> To develop high yielding and early maturing varieties of Summer Groundnut. Breeding for high yielding, high shelling and high oil content Genotypes tolerant or resistant to Rust, ELS, LLS, PBND and Spodoptera. Development of high yielding and large seeds (HPS types) varieties with no risk of aflatoxin for export purpose. <p>B) Crop production</p> <ul style="list-style-type: none"> Development of Suitable packages for post harvest management in bold seeded variety. Development of agronomic packages for confectionary /HPS groundnut. To standardize package of practices for new cultivars and organically produced groundnut. To develop groundnuts based inter / Sequence cropping systems involving new crop combination. To identify suitable post emergence herbicide for control of weed in summer groundnut To develop suitable integrated nutrient management in summer groundnut for increasing groundnut productivity 												
4.	Infrastructure	:													
	Land	:	5.0 ha.												
	Irrigation facilities	:	Well & Canal												
5.	Human Resource	:													
	Technical Staff	:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">SN</th><th style="width: 40%;">Designation</th><th style="width: 30%;">Discipline</th><th style="width: 20%;">Remarks</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td><td>Groundnut Breeder</td><td>Agril. Botany</td><td>Filled</td></tr> <tr> <td style="text-align: center;">2</td><td>Junior Agronomist</td><td>Agronomy</td><td>Filled</td></tr> </tbody> </table>	SN	Designation	Discipline	Remarks	1	Groundnut Breeder	Agril. Botany	Filled	2	Junior Agronomist	Agronomy	Filled
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	Non-Technical Staff	:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">SN</th><th style="width: 40%;">Designation</th><th style="width: 30%;">No of posts</th><th style="width: 20%;">Remarks</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td><td>Agril Assistant</td><td style="text-align: center;">2</td><td>Filled</td></tr> </tbody> </table>	SN	Designation	No of posts	Remarks	1	Agril Assistant	2	Filled				
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6.	Research Achievements	:													
	Varieties	:	04												
	Recommendation	:	14												

7.	Ongoing Research	<p>: University Trials (Summer) Station Varietal Trial University Multilocation Trial, (Rahuri, Jalgaon, Digraj, Karad)</p> <p>AICRP Trials (Summer) IVT-I, IVT-II, AVT-I</p> <p>State/Project Trials (Kharif) SMLT, LSVT-I, LSVT-II</p> <p>PROJECT-I Maintenance and Evaluation of Germplasm-378.</p> <p>PROJECT-II Breeding for early maturity and drought programme</p> <p>Activity-1 Hybridization programme: kharif-2019</p> <p>Activity-2 Advancement of Generation: Summer 2018- 2019</p> <p>Project III Climate change: Identification of Rabi Genotype (resistant to cold).</p> <p>Project IV Effect of mutation on oil content, shelling %, variability and disease resistance in groundnut (<i>Arachis hypogea</i> L).</p>
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Ongoing Research: Crop Production

Sr.No.	Name of the experiment
A	Ongoing Experiment ICAR
1	Evaluation of DAPG-producing fluorescent pseudomonas for enhancing nutrient use efficiency, bio- control of soil-borne diseases and yield of groundnut.
2	Economizing phosphorus use in groundnut production by exploiting phosphorus build up in soil.
3	Application of bio-formulation in rabi-summer groundnut production.
4	Effect of foliar application of water soluble fertilizer (WSF) on growth, yield and nutrient uptake of <i>summer</i> groundnut.
B	Ongoing Experiment University
1	Effect of different varieties and nutrient managements on growth, yield and quality of summer groundnut.
C	Extension Activity
1	Production oriented survey of agronomic practices in summer groundnut.
2	Front Line Demonstration of summer groundnut on farmers field.