



## Mahatma Phule Krishi Vidyapeeth, Rahuri

### AICRP on Fruits (Banana) Jalgaon

1.	<b>Year of Start</b>	:	1969																												
2.	<b>Contact Details</b>	:																													
	<b>Postal Address</b>	:	Banana Research Station, Nimkhedi road , Old highway No. 6, Jalgaon																												
	<b>Phone No.</b>	:	0257-2250986																												
	<b>Email</b>	:	brsjalgaon@gmail.com																												
3.	<b>Objectives/Mandates</b>	:	<ul style="list-style-type: none"> <li>Collection, conservation, evaluation and characterization of germplasm.</li> <li>Standardization of production technologies viz. spacing, population density, nutrition management, water management, cropping system and weed control.</li> <li>Standardization of crop protection techniques through efficient management of diseases.</li> <li>Survey of banana orchards for disease incidence.</li> <li>Farmer's need based research programmes.</li> </ul>																												
4.	<b>Infrastructure</b>	:																													
	<b>Land</b>	:	10 ha.																												
	<b>Irrigation facilities</b>	:	Yes with drip irrigation system																												
	<b>Laboratories</b>	:	Yes (Soil science and Agril. Chemistry)																												
5.	<b>Human Resource</b>	:																													
	<b>Technical Staff</b>	:	<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>Horticulturist</td><td>Horticulture</td><td>Filled</td></tr> <tr> <td>2</td><td>Jr. Soil Chemist</td><td>Soil science and Agril. Chemistry</td><td>Filled</td></tr> <tr> <td>3</td><td>Jr. Plant Pathologist</td><td>Plant Pathology</td><td>Filled</td></tr> <tr> <td>4</td><td>Sr. Research Assistant</td><td>Soil science and Agril. Chemistry</td><td>Filled</td></tr> <tr> <td>5</td><td>Sr. Research Assistant</td><td>Horticulture</td><td>Filled</td></tr> <tr> <td>6</td><td>Sr. Research Assistant</td><td>Horticulture</td><td>Vacant</td></tr> </tbody> </table>	SN	Designation	Discipline	Remarks	1	Horticulturist	Horticulture	Filled	2	Jr. Soil Chemist	Soil science and Agril. Chemistry	Filled	3	Jr. Plant Pathologist	Plant Pathology	Filled	4	Sr. Research Assistant	Soil science and Agril. Chemistry	Filled	5	Sr. Research Assistant	Horticulture	Filled	6	Sr. Research Assistant	Horticulture	Vacant
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	<b>Non-Technical Staff</b>	:	<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>Clerk cum Typist</td><td>01</td><td>Filled</td></tr> <tr> <td>2</td><td>Mali</td><td>03</td><td>Vacant-1</td></tr> </tbody> </table>	SN	Designation	No of posts	Remarks	1	Clerk cum Typist	01	Filled	2	Mali	03	Vacant-1																
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6.	<b>Research Achievements</b>	:																													
	<b>Varieties</b>	:	01																												
	<b>Recommendations</b>	:	33																												
7.	<b>Ongoing Research</b>	:																													

#### I) HORTICULTURE

1. Collection, conservation and evaluation of banana germplasm.
2. Study of Clonal selections in banana.
3. Evaluation of the field performance of the macro-propagated plants of banana.

4. Study of planting systems in banana.
5. Bunch Improvement by de- handing and spraying of chemicals in banana.
6. Assessment of phenology, productivity and incidence of insect pests and disease in banana grown under varying climatic conditions.
7. Assessment of post harvest losses in banana.

## **II) SOIL SCIENCE AND AGRICULTURAL CHEMISTRY**

1. Alleviation of soil moisture deficit stress in banana
2. Response of banana to enriched banana pseudostem sap
3. Standardization of optimum dose of N and K flowering Banana cv. Phule pride through fertigation Response of banana to (24:24:0) SMART through fertigation.
4. Evaluation of Zeba the superabsorbent for agronomic efficacy through its impact on growth, yield and quality of Banana.

## **III) PLANT PATHOLOGY**

1. Screening of banana germplasm against leaf spot under natural condition.
2. Survey of fungal, bacterial and viral diseases of banana.
3. Management of Sigatoka leaf spot Disease of banana.
4. Survey of Fusarium isolates causing Panama wilt of banana.
5. Sampling of banana viruses in germplasm and planting material used in experiments.
6. Management of post harvest diseases of banana.