



Mahatma Phule Krishi Vidyapeeth, Rahuri

Onion Research Scheme, Pimpalgaon Baswant

| 1. | Year of Start | : | 1959 | | | | | | | | | | | | | | | | |
|----|------------------------------|--------------|--|----|-------------|-------------|---------|---|------------------|--------------|--------|---|-------------------------|---|--------|---|---------|---|--------|
| 2. | Contact Details | : | | | | | | | | | | | | | | | | | |
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| | Phone No. | : | (02550) 250305 | | | | | | | | | | | | | | | | |
| | Email | : | ogrspbasawant.mpkv@gov.in, | | | | | | | | | | | | | | | | |
| 3. | Objectives/Mandates | : | <ul style="list-style-type: none"> To develop varieties for kharif, rabi and summer seasons. To standardize packages of practices for onion cultivation. To find out suitable control measures for various pests and diseases. To standardize the storage structure of onion. | | | | | | | | | | | | | | | | |
| 4. | Infrastructure | : | | | | | | | | | | | | | | | | | |
| | Land | : | 15.09 ha | | | | | | | | | | | | | | | | |
| | Irrigation facilities | : | Well, Bore well | | | | | | | | | | | | | | | | |
| | Laboratories | : | Basic facilities | | | | | | | | | | | | | | | | |
| 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>Officer Incharge</td><td>Horticulture</td><td>Filled</td></tr> </tbody> </table> | SN | Designation | Discipline | Remarks | 1 | Officer Incharge | Horticulture | Filled | | | | | | | | |
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| | 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>Agril Asstt.</td><td>1</td><td>Filled</td></tr> <tr> <td>2</td><td>Junior Clerk cum typist</td><td>1</td><td>Filled</td></tr> <tr> <td>3</td><td>Mazdoor</td><td>4</td><td>Filled</td></tr> </tbody> </table> | SN | Designation | No of posts | Remarks | 1 | Agril Asstt. | 1 | Filled | 2 | Junior Clerk cum typist | 1 | Filled | 3 | Mazdoor | 4 | Filled |
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| 2 | Junior Clerk cum typist | 1 | Filled | | | | | | | | | | | | | | | | |
| 3 | Mazdoor | 4 | Filled | | | | | | | | | | | | | | | | |
| 6. | Research Achievements | : | | | | | | | | | | | | | | | | | |
| | Varieties | : | Onion (03), Garlic (03) | | | | | | | | | | | | | | | | |
| | Recommendations | : | 03 | | | | | | | | | | | | | | | | |
| 7. | Ongoing Research | : | | | | | | | | | | | | | | | | | |

Onion

1. Impact of seasonal variation of *rabi* onion in context of late rains.
2. Effect of silicon on growth, yield and quality of *rabi* onion.
3. Effect of silicon on growth, yield and quality of *kharif* onion
4. Effect of silicon on disease incidence, growth and yield of *kharif* onion
5. Seasonal incidence of purple blotch of *kharif* onion.
6. Seasonal incidence of stemphyllium blight of *rabi* onion.
7. Optimization of zeolite application on onion for disease resistance and quality.
8. Seasonal incidence of thrips on onion in relation to climate condition.

Garlic

1. Collection, maintenance and assessment of garlic germplasm.
2. Investigating the impact of seasonal variation of garlic in relation to climatic change.
3. Storage study for garlic
4. Evaluate the performance of garlic genotypes in *kharif* season
5. Evaluate the performance of garlic genotypes against purple blotch in *kharif* season.
6. Screening of garlic against leaf blight of garlic.
7. Seasonal disease incidence of leaf blight of garlic in relation to climate change.
8. Seasonal incidence of thrips and mites in relation to climate change.
9. Screening of garlic entries against garlic thrips (*Thrips tabaci* L.).
10. Screening of garlic germplasm against thrips in *kharif* season.