



Mahatma Phule Krishi Vidyapeeth, Rahuri

AICRP on Soil Test Crop Response

| 1. | Year of Start | : | 1969 | | | | | | | | | | | | | | | | |
|-----------|------------------------------|-----------------------------------|--|----|-------------|------------|---------|---|---------------------|-----------------------------------|--------|---|------------------------|-----------------------------------|--------|---|------------------------|-----------------------------------|--------|
| 2. | Contact Details | : | Dr. Vijaykumar S. Patil, Soil Chemist | | | | | | | | | | | | | | | | |
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| 3. | Objectives/Mandates | : | <ul style="list-style-type: none"> • Use efficiency of fertilization. • Harnessing of best possible positive and synergistic interactions among the various factors of production (seed, water etc). • Least adverse effects on environment (leaching, denitrification and other losses). • Maintaining high yields commensurate with the biological potential of the crop variety under the unique soil climate agro-ecological set up. • Increasing farm income. • To establish significant relationship between soil test and crop response to fertilizers on representative soils. • To derive a basis for fertilizer recommendation for desired yield targets. • To evaluate the conjont use of chemical fertilizers and organic manures for enhanced nutrient use efficiency. • To derive a basis for making fertilizer recommendation for a whole cropping sequence based on initial soil test values. | | | | | | | | | | | | | | | | |
| 4. | Infrastructure | : | | | | | | | | | | | | | | | | | |
| | Land | : | 11.00 ha. | | | | | | | | | | | | | | | | |
| | Irrigation facilities | : | Bore well | | | | | | | | | | | | | | | | |
| | Laboratories | : | 1 Well equipped laboratory | | | | | | | | | | | | | | | | |
| 5. | Human Resource | : | | | | | | | | | | | | | | | | | |
| | Technical Staff | : | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">SN</th> <th style="width: 30%;">Designation</th> <th style="width: 30%;">Discipline</th> <th style="width: 35%;">Remarks</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Associate Professor</td> <td>Soil Science and Agril. Chemistry</td> <td>Filled</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Sr. Research Assistant</td> <td>Soil Science and Agril. Chemistry</td> <td>Filled</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Sr. Research Assistant</td> <td>Soil Science and Agril. Chemistry</td> <td>Vacant</td> </tr> </tbody> </table> | SN | Designation | Discipline | Remarks | 1 | Associate Professor | Soil Science and Agril. Chemistry | Filled | 2 | Sr. Research Assistant | Soil Science and Agril. Chemistry | Filled | 3 | Sr. Research Assistant | Soil Science and Agril. Chemistry | Vacant |
| SN | Designation | Discipline | Remarks | | | | | | | | | | | | | | | | |
| 1 | Associate Professor | Soil Science and Agril. Chemistry | Filled | | | | | | | | | | | | | | | | |
| 2 | Sr. Research Assistant | Soil Science and Agril. Chemistry | Filled | | | | | | | | | | | | | | | | |
| 3 | Sr. Research Assistant | Soil Science and Agril. Chemistry | Vacant | | | | | | | | | | | | | | | | |

| | Non-Technical Staff | : | SN | Designation | No of posts | Remarks |
|-----------|------------------------------|---|--|---------------------|--------------------|----------------|
| | | | 1 | Agricultural Asstt. | 3 | Filled |
| | | | | Senior Clerk | 1 | Filled |
| | | | | Lab boy | 1 | Vacant |
| | | | | Labour | 1 | Filled -1 |
| 6. | Research Achievements | : | 35 technologies recommended | | | |
| 7. | Ongoing Research | : | <ol style="list-style-type: none"> 1. Soil test crop response correlation studies on Bt. Cotton through fertigation. 2. Soil test crop response correlation studies on Banana through fertigation. 3. Soil test crop response correlation studies on preseasonal sugarcane through fertigation. 4. Soil test crop response correlation studies on Papaya. 5. Soil test crop response correlation studies on chilly. | | | |