



Mahatma Phule Krishi Vidyapeeth, Rahuri

AICRP on Wheat Agricultural Research Station, Niphad

1.	Year of Start	:	1971																																
2.	Contact Details	:																																	
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3.	Objectives/Mandates	:	<ul style="list-style-type: none"> To breed/evolve improved varieties of wheat (both <i>aestivum</i> and <i>durum</i>) responsive to recommended fertilizer doses, disease resistant, having superior grain quality, thermo-insensitivity and resistant to lodging. To find out the suitable agronomical practices for newly released wheat varieties and formulating wheat based cropping sequence and agro techniques. To screen wheat genotypes against various diseases. To screen germplasm for heat and drought tolerance. To identify the production constraints and gaps between yield potential on research farm and that on farmers' field. To produce breeder and nucleus seed as per indent. 																																
4.	Infrastructure	:																																	
	Land	:	19.99 ha																																
	Laboratories	:	Soil Science Laboratory & Plant Pathology Laboratory																																
	Advanced facilities	:	Meteorological observatory (Auto Weather Station) Plant diseases diagnosis laboratory, Seed processing unit, farm mechanization equipments																																
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>Associate Professor</td><td>Agril Botany 01</td><td>Filled</td></tr> <tr> <td>2</td><td>Assistant Professor</td><td>Agronomy 01</td><td>Filled</td></tr> <tr> <td>3</td><td>Assistant Professor</td><td>Plant Pathology 01</td><td>Filled</td></tr> <tr> <td>4</td><td>Assistant Professor</td><td>FST 01</td><td>Vacant</td></tr> <tr> <td>5</td><td>Senior Res. Assistant</td><td>Agril Botany 02</td><td>Filled</td></tr> <tr> <td>6</td><td>Senior Res. Assistant</td><td>FST 01</td><td>Vacant</td></tr> <tr> <td>7</td><td>Junior Res. Assistant</td><td>FST 01</td><td>Vacant</td></tr> </tbody> </table>	SN	Designation	Discipline	Remarks	1	Associate Professor	Agril Botany 01	Filled	2	Assistant Professor	Agronomy 01	Filled	3	Assistant Professor	Plant Pathology 01	Filled	4	Assistant Professor	FST 01	Vacant	5	Senior Res. Assistant	Agril Botany 02	Filled	6	Senior Res. Assistant	FST 01	Vacant	7	Junior Res. Assistant	FST 01	Vacant
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	Non-Technical Staff	:	Nil																																
6.	Research Achievements	:	Varieties : 04 Recommendations : 17																																

7.	Ongoing Research	<p>: A) Wheat Breeding</p> <ol style="list-style-type: none"> 1. Co-ordinated trials <ol style="list-style-type: none"> i) Advance Varietal Trial (RI, TS & LS) ii) National Initial Varietal Trial-5B (RI) iii) National Initial Varietal Trial -2 (TS) iv) National Initial Varietal Trial -4 (TS) v) IIWBR Station Trial (RI, TS & LS) vi) National Initial Varietal Trial -3 B (LS) vii) Hybrid Wheat Trial 2. International Nurseries <ol style="list-style-type: none"> i) High Temperature Wheat Yield Trial ii) Semi Arid Wheat Yield Trial iii) Elite Selection Wheat Yield Trial iv) Semi Arid Wheat Screening Nursery v) International Durum Yield Trial vi) International Durum Screening Nursery 3. National Nurseries <ol style="list-style-type: none"> i) National Durum Screening Nursery ii) Elite International Germplasm Nursery iii) National Germplasm Screening Nursery iv) Drought Tolerance Screening Nursery (RI & TS) v) Short Duration Screening Nursery 4. Plant Physiology Trial <ol style="list-style-type: none"> i) NICRA Project Trial II & III ii) Multilocation Late Heat Tolerance –I & II <p>B) Agronomy</p> <ol style="list-style-type: none"> i) Performance of new wheat genotypes under restricted irrigation conditions ii) Yield maximization in dicoccum wheat through various planting options and seed rates iii) To evaluate the performance of diverse varieties at different dates of sowing under changing climate <p>C) Plant Pathology</p> <ol style="list-style-type: none"> i) Initial Plant Pathological Screening Nursery (IPPSN) ii) Plant Pathological Screening Nursery (PPSN) iii) Elite Plant Pathological Screening Nursery (EPPSN) iv) Multiple Disease Screening Nursery (MDSN) <p>D) Entomology</p> <ol style="list-style-type: none"> i) Multiple Pest Screening Nursery (MPSN) ii) Entomological Screening Nursery (ESN) iii) Entomological Screening Nursery (NIVT) iv) Eco friendly management of foliage feeding wheat aphid (<i>Rhopalosiphum padi</i>) v) Evaluation of trapping efficiency of different type of insect-traps for aphids vi) Effect of varied nitrogen fertilization on aphid abundance and termite infestation in wheat.
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