



## Mahatma Phule Krishi Vidyapeeth, Rahuri

### All India Coordinated Research Project on Maize

1.	Year of Start	:	2015			
2.	Contact Details	:				
	Postal Address	:	All India Coordinated Research Project on Maize Pulses Improvement Project, MPKV, Rahuri- 413 722			
3.	Objectives/Mandates	:	<b>Maize Breeding</b> <ul style="list-style-type: none"><li>Collection, evaluation and maintenance of maize germplasm.</li><li>Development of high yielding single cross hybrids of normal maize having resistant to biotic and abiotic stresses.</li><li>Development of new inbred lines of maize.</li><li>Conduct of AICRP and station trials for evaluation of newly developed maize hybrids for yield.</li><li>Production &amp; distribution of good quality seed of released maize hybrids</li></ul> <b>Maize Pathology</b> <ul style="list-style-type: none"><li>Survey and surveillance of diseases at research project and farmer's field</li><li>2. Conduct of AICRP trials for evaluation of newly developed maize hybrids against Turcicum leaf bight(<i>kharif</i>), charcoal rot (<i>rabi</i>) diseases.</li></ul>			
4.	Infrastructure	:	--			
5.	Human Resource	:				
	Technical Staff	:				
			SN	Designation	Discipline	Remarks
			1	Asstt. Maize Breeder	Plant Breeding	Filled
			2	Asstt. Plant Pathologist	Plant Pathology	Filled
	Non-Technical Staff	:	SN	Designation	No of posts	Remarks
			1	Agril. Asstt.	02	Filled
			2	Clerk	01	Filled
6.	Research Achievements	:	--			
7.	Ongoing Research	:	<b>Maize Breeding</b> <b>Kharif</b> <ul style="list-style-type: none"><li>AVT-I-II Medium maturity</li><li>AVT-I-II Early + extra early</li><li>AVT-I, II Late maturity</li><li>QPM I-II-III</li><li>BC I-II-III</li><li>SC I-II-III</li></ul> <b>Rabi</b> <ul style="list-style-type: none"><li>AVT-I-II Medium maturity</li><li>AVT-II Late maturity</li><li>AVT-I Late maturity</li><li>Medium maturity (NIVT)</li></ul>			

- |  |   |
|--|---|
|  | <ul style="list-style-type: none"><li>• Late maturity (NIVT)</li><li>• Pop corn</li><li>• Crossing Block</li><li>• Development of inbred line</li></ul> |
|--|---|

**Maize Pathology**

- Disease survey and surveillance in different maize growing areas.
- Screening of maize genotypes (NIVT, AVT of all maturity groups, QPM, Baby corn and Sweet corn) against Turcicum leaf blight under artificial epiphytotics (*Kharif*).
- Evaluation of maize genotypes (NIVT, AVT of all maturity groups and Pop corn) against Charcoal rot under artificial epiphytotics (*Rabi*).
- Evaluation of inbred lines against Turcicum leaf blight under artificial epiphytotic conditions.