



Mahatma Phule Krishi Vidyapeeth, Rahuri

All India Coordinated Research Project on Vegetable Crops

1.	Year of Start	:	1971																																								
2.	Contact Details	:																																									
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	Email	:	veg.mpkv@gov.in, vegbreeder@mpkv.rahuri																																								
3.	Objectives/Mandates	:	- Collection and maintenance of germplasm of vegetable crops. - Development of high yielding varieties/hybrids in vegetable crops. - Standardization of package of practices for important commercial vegetable. - Standardization of plant protection schedule for controlling major pest and diseases of vegetables. - Supply of quality breeder seed for multiplication. - Education and training of farmers for adopting newly developed varieties with modern techniques for maximization of production.																																								
4.	Infrastructure	:																																									
	Land	:	9.6 ha.																																								
	Laboratories	:	--																																								
	Advanced 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>Sr. Vegetable Breeder</td><td>Horticulture</td><td>Filled</td></tr> <tr><td>2</td><td>Seed Production Officer</td><td>Horticulture</td><td>Filled</td></tr> <tr><td>3</td><td>Jr. Vegetable Breeder</td><td>Horticulture</td><td>Filled</td></tr> <tr><td>4</td><td>Jr. Entomologist</td><td>Entomology</td><td>Filled</td></tr> <tr><td>5</td><td>Jr. Plant Pathologist</td><td>Pathology</td><td>Filled</td></tr> <tr><td>6</td><td>Sr. Research Assistant</td><td>Horticulture</td><td>Filled</td></tr> <tr><td>7</td><td>Sr. Research Assistant</td><td>Horticulture</td><td>Filled</td></tr> <tr><td>8</td><td>Sr. Research Assistant</td><td>Horticulture</td><td>Filled</td></tr> <tr><td>9</td><td>Sr. Research Assistant</td><td>Plant Breeding</td><td>Filled</td></tr> </tbody> </table>	SN	Designation	Discipline	Remarks	1	Sr. Vegetable Breeder	Horticulture	Filled	2	Seed Production Officer	Horticulture	Filled	3	Jr. Vegetable Breeder	Horticulture	Filled	4	Jr. Entomologist	Entomology	Filled	5	Jr. Plant Pathologist	Pathology	Filled	6	Sr. Research Assistant	Horticulture	Filled	7	Sr. Research Assistant	Horticulture	Filled	8	Sr. Research Assistant	Horticulture	Filled	9	Sr. Research Assistant	Plant Breeding	Filled
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6.	Research Achievements	:																																									
	Varieties	:	28																																								
	Recommendations	:	92																																								

7. Ongoing Research :

Code No.	Name of the experiment	Season
Varietal trial (IET)		
1	Chilli /Hot Pepper- IET	Kharif
2	Capsicum IET	Kharif
3	Dolichos bean (Bush) IET	Kharif
4	Dolichos bean (Pole) IET	Kharif
Varietal trial (AVT-I)		
5	Brinjal (Round) AVT-I	Kharif
6	Brinjal Small Round AVT-I	Kharif
7	Dolichos bean (Bush) AVT-I	Kharif
8	Dolichos bean (Pole) AVT-I	Kharif
Varietal trial (AVT-II)		
9	Brinjal (Round) AVT-II	Kharif
10	Chillies AVT- II	Kharif
11	Cauliflower (Early) AVT- II	Kharif
12	Dolichos bean (Bush) AVT- II	Kharif
13	Dolichos bean (Pole) AVT- II	Kharif
14	Cowpea (Bush type) AVT- II	Kharif
Hybrid trial (IET)		
15	Chilli Hybrid/Hot Pepper IET	Kharif
Hybrid trial (AVT-I)		
16	Brinjal Hybrid Long AVT-I	Kharif
17	Brinjal Hybrid Round- AVT-I	Kharif
18	Chilli Hybrid/Hot Pepper AVT-I	Kharif
Hybrid trial (AVT-II)		
19	Brinjal Hybrid Long AVT-II	Kharif
20	Brinjal Hybrid Round AVT-II	Kharif
21	Chilli Hybrid/Hot Pepper AVT-II	Kharif
22	Cauliflower Hybrid (Early) AVT-II	Kharif
Evaluation for biotic and abiotic stresses		
23	Brinjal (Bacterial Wilt) AVT-II	Kharif

Code No.	Name of the experiment	Season
Germplasm evaluation		
1	Collection, evaluation, conservation & utilization of French bean germplasm	Rabi
Varietal trial (IET)		
2	Tomato (Determinate) IET	Rabi
3	Cherry Tomato IET	Rabi
4	Tomato (Indeterminate) IET	Rabi
5	Cauliflower (Mid) IET	Rabi
6	Garden Pea (Early) IET	Rabi

7	Garden Pea (Mid) IET	Rabi
8	Pea (Edible Pod) IET	Rabi
9	Radish IET	Rabi
10	Mustard Green/Laipatta(Brassica juncea) IET	Rabi
Varietal trial (AVT-I)		
11	Tomato (Determinate) AVT-I	Rabi
12	Cauliflower (Mid) AVT-I	Rabi
13	French bean (Pole) AVT-I	Rabi
14	Garden Pea (Early) AVT-I	Rabi
15	Garden Pea (Mid) AVT-I	Rabi
Varietal trial (AVT-II)		
16	Tomato (Determinate) AVT- II	Rabi
17	Cauliflower (Mid) AVT- II	Rabi
18	French bean (Bush) AVT- II	Rabi
19	Pea (Mid) AVT- II	Rabi
20	Carrot (Tropical) AVT- II	Rabi
Hybrid trial (AVT-I)		
21	Tomato Hybrid Determinate AVT-I	Rabi
Hybrid trial (AVT-II)		
22	Tomato Hybrid Det. AVT-II	Rabi
23	Cauliflower Hybrid (Mid) AVT-II	Rabi
24	Carrot Hybrid (Tropical) AVT-II	Rabi

Code No.	Name of the experiment	Season
Germplasm evaluation		
1	Collection, evaluation, conservation & utilization of bitter gourd germplasm	Summer
2	Collection, evaluation, conservation & utilization of bottle gourd germplasm	Summer
3	Collection, evaluation, conservation & utilization of cucumber germplasm	Summer
4	Collection, evaluation, conservation & utilization of ridge gourd germplasm	Summer
5	Collection, evaluation, conservation & utilization of muskmelon germplasm	Summer
6	Collection, evaluation, conservation & utilization of okra germplasm	Summer
Varietal trial (IET)		
7	Bitter gourd -IET	Summer
8	Bottle gourd IET	Summer
9	Pumpkin IET	Summer
Varietal trial (AVT-II)		
10	Bottle gourd AVT- II	Summer
11	Pumpkin AVT- II	Summer
Hybrid trial (IET)		
12	Okra Hybrid (YVMV) IET	Summer
13	Bottle gourd Hybrid IET	Summer
14	Bitter gourd Hybrid IET	Summer
15	Pumpkin Hybrid IET	Summer
Hybrid trial (AVT-I)		
16	Okra Hybrid (YVMV) AVT-I	Summer

17	Watermelon Hybrid AVT-I	Summer
18	Muskmelon Hybrid AVT-I	Summer
19	Cucumber Hybrid AVT-I	Summer
Hybrid trial (AVT-II)		
20	Cucumber Hybrid AVT-II	Summer
21	Watermelon Hybrid AVT-II	Summer
Evaluation for biotic and abiotic stresses		
22	Okra (YVMV) IET	Summer
23	Okra (YVMV) AVT-I	Summer

Code No.	Name of the experiment
Disease Management	
1	Integrated management of vector borne virus diseases of chilli (2014).
2	IDM package for tomato diseases (2014)
3	IDM package for cucurbit diseases (2015)
4	Monitoring emerging diseases of vegetable crops (2016).
5	Assessment in yield losses due to major diseases in vegetable crops (2016)
6	IDM for bacterial wilt management of tomato (2018)
7	Identification of causal agent involved in stem splitting and gummy stem blight in cucurbit crops (2018)
8	Integrated management of bitter melon virus diseases (2018)
Pest Management	
9	Evaluation of biopesticides and insecticides for management of sucking pests complex in brinjal (2017-18)
10	Development and evaluation of IPM modules for insect pest complex in okra (2017-18)
11	Survey and surveillance for new invasive insect pest <i>Tuta absoluta</i> in tomato (2015-16)
12	Evaluation for identification of effective insecticides against <i>Tuta absoluta</i> in tomato (2015-16)
13	Development and evaluation of IPM modules for tomato pin worm <i>Tuta absoluta</i> (2017-18)
14	Evaluation of different pest management modules against vector and sucking pests management of Bitter melon (2018-19)
15	Evaluation of some entomopathogenic fungi and their compatibility with neem oil against whitefly of cucumber (2018-19)
Seed production	
16	Effect of drip irrigation and fertigation schedule on seed yield and quality in vegetable crops (2016-17)