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MERA GAON MERA GAURAV

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FOREWORD

"Mera Gaon Mera Gaurav" scheme was implemented by ICAR to promote the direct interface of scientists with the farmers to accelerate the lab to land process of the country. At present, the gap between need and actual number of extension workers is very wide that hampers the timely dissemination of recent technologies at grass-root level. The objective of this scheme is to provide farmers with required information, knowledge and advisories on regular basis by adopting villages by group of scientists constituted at the institute and university level. From its beginning, MGMG is implemented with zeal and enthusiasm by the scientific community. It has also been reflected in the progress made by 139 teams of 458 scientists from ICAR Institutes and SAUs covering 363 villages and benefitted more than 15000 farmers of Zone-I during 2017-18.

I herewith take the opportunity to thank all the Nodal Officers, Co-Nodal officers, Multi-disciplinary teams of Scientists of the ICAR Institutes and State Agricultural Universities and the editorial team who successfully put their efforts in bringing out this document. I hope this MGMG scheme has helped in enhancing the productivity of various agricultural enterprises and overall income of farmers.

Rajbir Singh

CONTENTS

1. Introduction

The Mera Gaon Mera Gaurav-MGMG (My Village My Pride) scheme was launched by the Hon'ble Prime minister on 25 July, 2015 on the occasion of the 87th Foundation Day of ICAR at Patna. It is an innovative initiative, which was planned to promote the direct interface of scientists with the farmers to speed-up the lab to land process. The participation of small and marginal farmers in Indian Agriculture is very important as small and marginal holdings together, constitute 85 percent in terms of number of operational holdings and 44 percent of the cultivated area in the country. Small farmers put forth their desire on various forums to have timely information on investment in agriculture, loans, availability of the basic amenities, market rates, extension activities and facilities provided by different agencies, new research findings and technologies, etc.

Presently, various agencies are working in agriculture and farmers are keen to know about the services provided by them. The technologies developed and refined by research institutes, Agricultural Universities, private and other organisations are accepted and adopted to varied extent by farming community. Therefore, the awareness among farmers about these organisations and their programmes need to be created on regular basis.

Objective

The overall objective of this scheme is to provide farmers with required information, knowledge and advisories on regular basis by adopting villages. Under this scheme, scientists of National Agricultural Research and Education Systems (NARES) are working by selecting villages and remain in touch with the selected villages to provide information to the farmers on technical and other related aspects in a time frame through personal visits and other means.

Implementation

Under this scheme, scientists have selected villages as per their convenience and remain in touch with the selected villages and providing information to the farmers on technical and other related aspects in a given time frame through personal visits or on telephone. Being a resource person for the village, the scientists are also expected to monitor the process of adoption of agricultural technologies by the farmers. The scientists

had made use of community radio, local newspapers, mobile messages , video, exhibition and local media and make initiatives to have a dialogue with the marketing intelligence, market trends, the information on various agricultural organisations for finding solutions to their agricultural related problems. Scientists also created awareness among farmers about the climatic change, other customized services, and protective measures and other issues of national and local importance. In this process of social transformation, scientists have local Panchayats, development agencies, NGOs and private organisations. In addition, scientists encouraged the ideology of clean and good agricultural techniques for producing good quality agricultural products and link this to Swachh Bharat Abhiyan.

Selection of villages

Normally a group of four scientists at each Institute/University was decided to adopt villages within the radius of 50-100 km from their place of working. Scientists sought necessary cooperation from KVKs, Panchayats and other related departments at the local level in selecting the villages. A format has been devised to analyse farming, climate, social and economic conditions of selected villages.

The ten tasks under MGMG

1. To identify a village and strengthen interface with farmers.
2. To periodically update farmers about agricultural activities through phone and mobile messages.
3. To provide technology handout as per the agro-ecological conditions of the village.
4. To provide information to farmers about agricultural inputs, seed, fertilizer, chemical, agricultural machinery, climate, market, etc.
5. To educate farmers through newspapers, community radio etc.
6. To create awareness among farmers about the programmes being implemented by various organisations and institutions working at local level e.g. voluntary organizations, farmer's organisation, ATMA, other Govt. departments.
7. To make farmers aware of the sensitive issues of national importance such as: Swachh Bharat Abhiyan, climate change, water conservation, soil fertility etc.
8. To organise farmer's meet by visiting the selected villages as per need and facilitate the participation of specialists of the concerned institutes.

9. To identify technical problems at a village level and make use of those in prospective research programmes.
10. To generate technical, social and economic data related to village and to submit the quarterly report of work done.

Operational mechanisms

At national level, Assistant Director General (Agricultural Extension)/ Principal Scientist, Division of Agricultural Extension, ICAR, New Delhi, is the nodal officer whereas at Zone level, Director, Agricultural Technology Application Research Institute (ATARI) is the Nodal Officer supported by one scientist of the institute. At Institute/Agricultural University level, a Principal Scientist/ Professor nominated as a nodal officer who is responsible for the submission of their benchmark survey and reports to Director, ATARI who sends the consolidated report to Assistant Director General/ Principal Scientist (Agricultural Extension).

2. Progress of Mera Gaon Mera Gaurav (MGMG)

Punjab, Himachal Pradesh, Jammu & Kashmir and Uttarakhand are part of Zone-I. The MGMG scheme in this Zone is being implemented by ICAR Institutes and SAUs. There are nine ICAR institutes and five State Agricultural Universities (SAUs) of this Zone implemented this scheme. All the ICAR Institutes and SAUs of this Zone have nominated Nodal Officer at Institute/University level (Annexure-I). Table 1 clearly depicts that 139 teams of scientists were formed comprising of 458 scientists from ICAR Institutes and SAUs who have adopted 363 villages under this scheme (Annexure-II).

Summary of Zone-I under MGMG during 2017-18

No. of ICAR Institutes/SAUs	No. of Total Teams Formed	No. of Total Scientists	No. of Total Villages Adopted
14	139	458	363

Table 1: Number of teams formed and villages selected under MGMG by ICAR Institutes

S. No.	Name of Institution ICAR Institutes	No. of teams	No. of scientists	No. of villages
1.	ICAR-CPRI, Shimla	7	30	7
2.	ICAR-DMR, Solan	2	9	12
3.	ICAR-CITH, Srinagar	3	11	3
4.	ICAR-DCFR, Bhimtal	7	20	17
5.	ICAR-IISWC, Dehradun	24	92	117
6.	ICAR-VPKAS, Almora	6	30	30
7.	ICAR-ATARI, Ludhiana	1	5	5
8.	ICAR-CIPHET, Ludhiana	10	37	43
9.	ICAR-IIMR, Ludhiana	7	21	24
	Total	**67**	**255**	**258**

Table 2: Number of teams formed and villages selected under MGMG by SAUs

S. No.	Name of SAUs	No. of teams	No. of scientists	No. of Villages
1.	CSKHPKV, Palampur	14	42	15
2.	Dr. YSPUH&F, Solan	32	106	32
3.	SKUAST (K), Srinagar	3	15	15
4.	GADVASU, Ludhiana	1	7	5
5.	PAU, Ludhiana	22	33	38
	Total	**72**	**203**	**105**
	Grand Total	**139**	**458**	**363**

Activities undertaken under MGMG

Teams of scientists of various ICAR Institutes and SAUs working in Zone-I have conducted 1,107 visits to their respective adopted villages and contacted 15,188 farmers during 2017-2018. The teams also conducted 403 Interface meetings/Gosthies in which 10,772 farmers participated. In order to motivate farmers to adopt new agricultural technology/ good practices to show the superiority, applicability, economic advantages of new technologies; scientists have conducted demonstrations on 1776 ha at 4,454 farmers' field on various crop and agricultural practices in their specialised area. Scientists of this Zone also provided 3,804 agro-advisory services by sending 28,314 SMSs to farmers' mobile phones of adopted villages. Scientific literature developed by ICAR Institutes and SAUs on various aspects was also provided to 24,674 farmers so that farmers can use it later. Under this scheme, scientists also established linkages with other departments and agencies for the benefit of farmers of their adopted villages. Awareness amongst 20,423 farmers was created on various agricultural technologies, practices , schemes of different developments departments, crop insurance, Swachhta Abhiyan, etc.

Summary of activities organized under MGMG by institutes/SAUs

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	1107	15188
2.	Interface meeting/ *Goshthies*	403	10772
3.	Traning organized	251	5200
4.	Demonstrations conducted (ha)	1776	4454
5.	Mobile based advisories	3804	28314
6.	Literature support provided	190	24674
7.	Awareness Created	198	20423
8.	Linkages developed with other agencies No.	124	3504
	Total	**9023**	**111985**

Table 3: Input support provided under MGMG in Zone-I

S. No.	Name of input	Quantity (No./q)	No. of farmers benefitted
1.	Seeds (q)	1040.60	3564
2.	Planting material	40211	846

3. Institute wise progress under MGMG

1. ICAR –Central Potato Research Institute (CPRI), Shimla

No. of teams formed

ICAR-CPRI has formed seven multidisciplinary teams of 30 scientists. Five teams consist of four scientists whereas two teams have five scientists including one coordinator.

No. of villages selected

Each team has selected only one village and thus a total of seven villages were selected by all the teams of CPRI. The selected villages covers single development block of Shimla district. Bench mark survey of all seven villages completed during 2017-18.

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
7	30	7	1	1	7

Activities Undertaken

Teams of CPRI scientists has organised 11 visits to their respective selected villages and contacted 208 farmers. The teams also conducted two Interface meetings/Gosthies in which 80 farmers participated. A total of 20 demonstrations were laid out on CPRI technologies by the scientists at 20 farmers' field. Scientists provided six mobile based advisory to 100 farmers of these villages. Scientific literature developed on various aspects also provided to 125 farmers. Awareness among 804 farmers was created about cleanliness, improved potato cultivation practices, soil testing by scientists of CPRI.

Table 1: Activities organised by CPRI during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	11	208
2.	Interface meeting/ Gosthies	2	80
3.	Demonstrations (ha)	0.4	20
4.	Mobile based advisories	6	100
5.	Literature support provided	2	125
6.	Awareness Created	15	804
7.	Linkages developed with other agencies	1	120



2. ICAR –Directorate of Mushroom Research (DMR), Solan

No. of teams formed

ICAR-DMR has formed two multidisciplinary teams of nine scientists. Both teams consist of four scientists including one coordinator.

No. of villages selected

Both teams have selected 12 villages, which covers kandaghat development block of Solan district of Himachal Pradesh. Bench mark survey of all villages was also completed during 2017-18.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
2	9	12	1	1	12

Activities Undertaken

Teams of DMR scientists have organised 12 visits to their respective selected villages and contacted 517 farmers. The teams also conducted seven Interface meetings/Gosthies in

Table 2: Activities organised by DMR during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	12	517
2.	Interface meeting/ *Goshthies*	7	468
3.	Demonstrations	6	120
4.	Mobile based advisories	200	100
5.	Literature support provided	1	130
6.	Awareness Created	12	826

which 468 farmers participated. A total of six demonstrations were laid out on DMR technologies by the scientists at 120 farmers' field. Scientists provided 200 mobile based advisory to farmers of both villages. Scientific literature developed on various aspects was also provided to 130 farmers. Awareness among 826 farmers was created by scientists of DMR.



3. ICAR –Central Institute of Temperate Horticulture (CITH), Srinagar

No. of teams formed

ICAR-CITH has formed three multi-disciplinary teams of 11 scientists including one coordinator in each team. Although, one team consist of three scientists and other two teams have four scientists.

No. of villages selected

Each Team of CITH scientists has selected one village. Thus a total of three villages were selected by CITH scientists under MGMG scheme. Bench mark survey of all villages was completed during 2017-18.

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
3	11	3	3	3	3

Activities Undertaken

Teams of CITH scientists has organised 33 visits to their respective selected villages and contacted 353 farmers. Only four Interface meetings/Gosthies were conducted in which 122 farmers participated. Demonstrations on 39.58 ha were laid out by the scientists at 215 farmers' field. Scientists also organised three training camps to 40 farmers. Scientists provided 51 agro-advisory services by sending SMSs to farmers.

Scientist also created awareness among 102 farmers about potential of new apple varieties, training and pruning, pollination management and horticultural crop production and protection.

Table 3: Activities organised by CITH during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	33	353
2.	Interface meeting/ *Goshthies*	4	122
3.	Traning organized	3	40
4.	Demonstrations (ha)	39.58	215
5.	Mobile based advisories	51	51
6.	Literature support provided	3	12
7.	Awareness Created	8	102
8.	Linkages developed with other agencies	6	89

Table 4: Input support provided

S. No.	Name of input	Quantity (q/No.)	No. of farmers benefitted
1.	Seeds (q)	0.18	61
2.	Planting Material	7786	68

4. ICAR-Directorate of Cold Water Fisheries Research (DCFR), Bhimtal

No. of teams formed

ICAR-DCFR has formed seven multi-disciplinary teams of 20 scientists including one coordinator in each team.

No. of villages selected

ICAR-DCFR has selected 17 villages under MGMG scheme. Bench mark survey of all 17 villages was completed during 2017-18.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
7	20	17	5	5	17

Activities Undertaken

Teams of ICAR-DCFR scientists has organised 26 visits to their respective selected villages and contacted 180 farmers. Five Interface meetings/Gosthies were conducted in which 46 farmers participated. A total of 31 demonstrations were laid out on 0.46 ha by the scientists at farmers' field. Scientists also organised two training camps benefitting 78 farmers. Scientists also provided 12 agro-advisory services by sending SMSs to farmers. Scientist also created awareness among 147 farmers about potential of new apple varieties, training and pruning, pollination management and horticultural crop production and protection.

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	26	180
2.	Interface meeting/ *Goshthies*	5	46
3.	Traning organized	2	78
4.	Demonstrations (ha)	0.46	31
5.	Mobile based advisories	12	12
6.	Literature support provided	1	253
7.	Awareness Created	4	147
8.	Linkages developed with other agencies	6	217

5. ICAR-Indian Institute of Soil and Water Conservation (IISWC), Dehradun

No. of teams formed

ICAR-IISWC has formed 24 multi-disciplinary teams of 92 scientists including one coordinator in each team.

No. of villages selected

IISWC has selected a total of 117 villages under MGMG scheme. Bench mark survey of all villages was completed during 2017-18.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
24	92	117	30	17	117

Activities Undertaken

Teams of IISWC scientists have organised 144 visits to their respective selected villages and contacted 2793 farmers. There were 56 Interface meetings/*Goshthies* conducted in which 2101 farmers participated. Demonstrations on 50.41 ha were laid out by the scientists at 424 farmers' field. Scientists also organised 19 training camps to 1465 farmers. Scientists also provided 78 agro-advisory services by sending 771 SMSs to farmers. Awareness was created among 4505 farmers about the soil and water conservation techniques and methods.

Table 6: Activities organised by IISWC during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	144	2793
2.	Interface meeting/ *Goshthies*	56	2101
3.	Traning organized	19	1465
4.	Demonstrations (ha)	50.41	424
5.	Mobile based advisories	78	771
6.	Literature support provided	25	2670
7.	Awareness Created	32	4505
8.	Linkages developed with other agencies	25	1474

6. ICAR-Vivekananda Parvatiya Krishi Anusandhan Sansthan (VPKAS), Almora

No. of teams formed

ICAR-VPKAS has formed 6 multi-disciplinary teams of 30 scientists including one coordinator in each team.

No. of villages selected

ICAR-VPKAS has selected 30 villages under MGMG scheme which included 5 blocks and one district.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
6	30	30	5	1	30

Activities Undertaken

Teams of VPKAS scientists organised 40 visits to their respective selected villages and contacted 369 farmers. There were 18 Interface meetings/*Goshthies* conducted in which 237 farmers participated. A total of 282 demonstrations were laid out in 12.70 ha area at farmers' field. Scientists also organised seven training camps to 111 farmers. Various teams provided 972 agro-advisory services by sending SMSs to farmers. Scientist also created awareness among 270 farmers about improving productivity and quality of important hill crops with emphasis on conservation and efficient utilization of natural resources.

Table 7: Activities organised by VPKAS during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	40	369
2.	Interface meeting/ *Goshthies*	18	237
3.	Traning organized	7	111
4.	Demonstrations (ha)	12.70	282
5.	Mobile based advisories	972	400
6.	Literature support provided	4	90
7.	Awareness Created	6	270
8.	Linkages developed with other agencies	4	183

Table 8: Input support provided

S. No.	Name of input	Quantity (q/No.)	No. of farmers benefitted
1.	Seeds (q)	13.16	302
2.	Planting Material	50	50

7. ICAR –Agricultural Technology Application Research Institute (ATARI), Ludhiana

No. of teams formed

ICAR-ATARI has formed one multidisciplinary team of four scientists including one coordinator.

No. of villages selected

The single team of ATARI scientists has selected five villages of Samrala development block of Ludhiana district. Bench mark survey of five villages was completed during 2017-18.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
1	5	5	1	1	5

Activities Undertaken

Team of ATARI has organised 35 visits to their respective selected villages and contacted 450 farmers. There were 40 Interface meetings/*Goshthies* conducted in which 250 farmers participated. A total of 31 demonstrations were laid out farmers' field. Scientists also organised 10 training camps benefitting 235 farmers. There were 17 agro-advisory services provided by sending 1200 SMSs to farmers. Team ATARI also created awareness among 300 farmers about crop residue management, swachhta, etc.

Table 9: Activities organised by ATARI during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	35	450
2.	Interface meeting/ *Goshthies*	40	250
3.	Traning organized	10	235
4.	Demonstrations (ha)	0.46	31
5.	Mobile based advisories	17	1200
6.	Literature support provided	6	300
7.	Awareness Created	10	300
8.	Linkages developed with other agencies	2	-

Table 10: Input support provided

S. No.	Name of input	Quantity (q/No.)	No. of farmers benefitted
1.	Seeds (q)	285	250
2.	Planting Material	250	200

8. ICAR –Central Institute of Post Harvest Engineering (CIPHET), Ludhiana

No. of teams formed

ICAR-CIPHET formed 10 multidisciplinary teams consisting of 37 scientists including one coordinator.

No. of villages selected

The 10 teams of CIPHET selected 43 villages from three districts of Punjab. Bench mark survey of all the 43 villages were conducted by scientists of CIPHET during 2017-18.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
10	37	43	5	3	43

Activities Undertaken

Teams of CIPHET have organised 19 visits to their respective selected villages and contacted 330 farmers. There were 16 Interface meetings/*Goshthies* conducted in which 246 farmers participated. Scientists also provided agro-advisory services on two aspects by sending 50 SMSs to farmers. Awareness was created among 18 farmers about processing of vegetables & fruits, swachh Bharat Abhiyan, role of SHGs, etc. and 371 farmers were benefitted during 2017-18.

Table 11: Activities organised by CIPHET during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	19	330
2.	Interface meeting/ *Goshthies*	16	246
3.	Mobile based advisories	2	50
4.	Literature support provided	5	79
5.	Awareness Created	18	371
6.	Linkages developed with other agencies	4	81

9. ICAR –Indian Institute of Maize Research (IIMR), Ludhiana

No. of teams formed

ICAR-IIMR formed seven multidisciplinary teams consisting of 21scientists including one coordinator in each team.

No. of villages selected

The teams of IIMR selected 24 villages from 6 districts.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
7	21	24	9	6	-

Teams of IIMR organised four visits to their respective selected villages and contacted 40 farmers. Only one Interface meetings/*Goshthies* was conducted in which 20 farmers participated. A total of 65 demonstrations were laid out 28 ha area at farmers' field. Scientists also provided 121 agro-advisory services by sending 176 SMSs to farmers. Scientists also created swachhta awareness among 136 farmers.

Table 12: Activities organised by IIMR during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	4	40
2.	Interface meeting/ *Goshthies*	1	20
3.	Demonstrations (ha)	28	65
4.	Mobile based advisories	121	176
5.	Literature support provided	2	35
6.	Awareness Created	1	136
7.	Linkages developed with other agencies	5	161

Table 13: Input support provided

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Seeds	4	65

4. University- wise progress under MGMG

1. Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya (CSKHPKV), Palampur

No. of teams formed

CSK HPKV has formed 14 multidisciplinary teams of 42 scientists. Teams consist of 4-5 scientists including one coordinator.

No. of villages selected

These teams of scientists have selected 15 villages, which covers 13 development blocks and 9 districts of Himachal Pradesh. Bench mark survey of all villages was completed.

Progress of the Institute

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
14	42	15	13	9	13

Activities Undertaken

Teams of scientists have has conducted 130 visits to their selected villages and contacted 2274 farmers. The teams also organised 76 Interface meetings/ *Goshthies* in which 1906 farmers participated. There were 893 demonstrations laid out on agricultural technologies in an area of about 300 ha at farmers' field. CSK HPKV teams conducted 44 training camps for 1173 farmers. Mobile based 182 agro based advisories were sent to farmers of these villages. Scientific literature developed on various farming aspects were given to 804 farmers. Awareness about various agricultural aspects were also created amongst farmers.

Table 1: Activities organised by CSK HPKV, Palampur during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	130	2274
2.	Interface meeting/ *Goshthies*	76	1906
3.	Traning organized	44	1173
4.	Demonstrations (ha)	294.66	893
5.	Mobile based advisories	182	3651
6.	Literature support provided	19	804
7.	Awareness Created	25	2995
8.	Linkages developed with other agencies	23	688

Table 2: Input support provided

S. No.	Name of input	Quantity (q/No.)	No. of farmers benefitted
1.	Seeds (q)	175.28	432
2.	Planting Material	900	50



2. Dr YS Parmar University of Horticulture and Forestry (Dr YSP UH&F), Solan

No. of teams formed

Dr YSP UH&F has formed 32 multi-disciplinary teams of 106 scientists. Most of the teams consist of four scientists and one coordinator.

No. of villages selected

Each team of scientists has selected one village and a total of 32 villages were selected. The selected villages cover four development blocks and two district of Himachal Pradesh. Bench mark survey of all selected villages was conducted during 2017-18.

Progress of the SAU

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
32	106	32	4	2	32

Activities undertaken

Teams of scientists of Dr YSP UH&F has organised 32 visits to their respective villages and contacted 1600 farmers. The teams also conducted 32 Interface

meetings/Gosthies in which 1600 farmers participated. Scientists also provided 250 mobile based agro advisories to farmers of these villages. Scientific literature developed on horticulture also provided to 100 farmers. Scientists also created awareness about various agricultural aspects to 1600 farmers.

Table 3: Activities organised by Dr. YSPUH&F Solan under MGMG

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	32	1600
2.	Interface meeting/ *Goshthies*	32	1600
3.	Mobile based advisories	250	250
4.	Literature support provided	1	100
5.	Awareness Created	6	1600
6.	Linkages developed with other agencies	1	-

3. Shere-E-Kashmir University Agricultural Sciences & Technology-Kashmir (SKUAST-K), Srinagar

No. of teams formed

SKUAST-K has formed three multidisciplinary teams of 15 scientists. Each team consists of five scientists including one coordinator.

No. of villages selected

Each team of scientists has selected five villages and a total of 15 villages were selected. The selected villages cover North, Central and South Kashmir. Bench mark survey of all the selected villages was completed during 2017-18.

Progress of the SAU

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
3	15	15	4	3	15

Table 4: Activities organised by SKAUST Kashmir during 2017-18

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	32	248
2.	Interface meeting/ *Goshthies*	6	343
3.	Traning organized	3	118
4.	Demonstrations (ha)	181	181
5.	Mobile based advisories	1531	1531
6.	Literature support provided	1	1000
7.	Awareness Created	6	1758
8.	Linkages developed with other agencies	6	-

Table 5: Input support provided

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Seeds	25.28	173



4. Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana

No. of teams formed

GADVASU, Ludhiana has formed one team of scientists comprising seven scientists including one coordinator in the team.

No. of villages selected

One team of scientists has selected five villages, which covers one district of Punjab. Bench mark survey of five villages was also conducted by the team.

Progress of the Institute/SAU

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
1	7	5	2	1	5

Table 8: Activities organised by GADVASU Ludhiana under MGMG

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	29	559
2.	Interface meeting/ *Goshthies*	6	73
3.	Training organized	3	43
4.	Mobile based advisories	26	2549
5.	Literature support provided	12	392
6.	Awareness Created	15	710
7.	Linkages developed with other agencies	6	-

5. Punjab Agricultural University (PAU), Ludhiana

No. of teams formed

PAU, Ludhiana has formed 22 teams of scientists comprising 33 scientists including one coordinator in each team.

No. of villages selected

Teams of scientists have selected 38 villages, which covers eight district of Punjab. Bench mark survey of all villages was also completed.

Progress of the SAU

No. of Team of scientists	No. of Scientists	No. of Villages	No. of Blocks	No. of Districts	Bench Mark Survey conducted (No. of Villages)
22	33	38	15	8	38

Table 6: Activities organised by PAU Ludhiana under MGMG

S. No.	Name of Activity	No. of Activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	560	5267
2.	Interface meeting/ *Goshthies*	134	3280
3.	Traning organized	160	1937
4.	Demonstrations (ha)	1183.2	2119
5.	Mobile based advisories	356	17473
6.	Literature support provided	108	18680
7.	Awareness Created	40	6000
8.	Linkages developed with other agencies	35	491

Table 7: Input support provided

S. No.	Name of input	Quantity (q/No.)	No. of farmers benefitted
1.	Seeds (q)	537	2281
2.	Planting Material	3015	454

ANNEXURE- I

List of ICAR Institutes and SAUs along with Nodal officer

S. No.	Name of Institute/ University	Name of Nodal officer	Designation	Email Id	Contact No.
1	ICAR-CPRI Shimla	Dr. N.K.Pandey	Head	nkpcpri@gmail.com	9418276362
2	ICAR-DMR Solan	Dr. Mahantesh Shirur	Scientist	mahanteshshirur@gmail.com	9805039392
3	ICAR-CITH Srinagar	Dr. Om Chand Sharma	Principal Scientist	ommandi@yahoo.com	9419243119
4	ICAR-DCFR Bhimtal	Dr. S. Chandra	Principal Scientist	chandrasuresh037@gmail.com	7579054501
5	ICAR-IISWC Dehradun	Dr. Lekh Chand	Senior Scientist	lekhchand@hotmail.com	8755308844
6	ICAR-VPKAS Almora	Dr. Nirmal Chandra	Principal Scientist	ncdiwan@yahoo.com	9456545549
7	ICAR-ATARI, Ludhiana	Dr. Arvind Kumar	Principal Scientist	arvindkumar.icar@gmail.com	9418288653
8	ICAR-CIPHET Ludhiana	Dr. Sandeep Mann	Principal Scientist	sandeep_mann76@yahoo.com	9463043396
9	IIMR Ludhiana	Dr. ShanakrLalJat	Scientist	sl.jat@icar.gov.in; sliari@gmail.com	9953009711
10	CSKHPKV Palampur	Dr. D.R. Chaudhary	Professor	drc_dee@rediffmail.com	9459834160
11	Dr. YSPUH&F Solan	Dr. Rajesh Bhalla	Professor	mgmguhf@gmail.com	9418146887
12	SKUAST Srinagar	Dr. Sheikh Muzaffar Ahmad	Associate Director Extension	shkmuzaffar@yahoo.co.in	9419038941
13	GADVASU Ludhiana	Dr. Harish Verma	Director of Ext Edu	deegadvasuldh@gmail.com	9815873929
14	PAU Ludhiana	Dr. G.S. Buttar	Addl. Director of Ext. Edu.	adee1@pau.edu	0161-2401074

ANNEXURE- II

List of villages selected under MGMG

1. ICAR-CPRI, Shimla

State	District	Block	Name of Villages
Himachal Pradesh	Shimla	Theog	Talai, Dhaleu, Bhani, Jethai, Katudi, Chara, Domehar

2. ICAR-DMR, Solan

State	District	Block	Name of Villages
Himachal Pradesh	Solan	Kandaghat	Anji Sunara, Wakhna, Rawali, Bhodhan, Kashmari, Garoo, Anji, Dharot, Jyon, Lahog (Katal), Pati Chabyar, Sahalumna

3. ICAR-CITH, Srinagar

State	District	Block	Name of Villages
J&K	Anantnag	Dachnipora	Hatigam
	Pulwama	Pulwama	Urcharsoo
Uttarakhand	Nainital	Dhari	Sunkiya

4. ICAR-DCFR, Bhimtal

State	District	Block	Name of Villages
Uttarakhand	Almora	Dwarhat,	Todera
		Hawalbagh	Dudhauli Jyurkafun
	Pithoragarh	Munsyari	Sarmoli
	U. S. Nagar	Sitarganj	Salmatta
	Champawat	Champawat	Kathad, Dudhpokhara
Meghalaya	Ri-bhoi	Umshning	Pynhurslla, Laitkhrong, Myrang
Sikkim	W. Sikkim	Dentam	Maneybung, sopakha, Sribadam
Arunachal Pradesh	West Kameng	Dirang	Chug village, Shanti village
	Lower subansiri	Zero	Hari village

5. ICAR-IISWC, Dehradun

State	District	Block	Name of Villages
Uttarkhand	Dehradun	Raipur	Bhopalpani, Kalimati, Badasi, Soda Saroli, Soda Dwara, Karligarh, Sahastradhara, Majhara, Kheri
		Kalsi	Jasau-Bhakro, Thateyo, Damta, Bamrad, Udapata, Kuroli, Khatasa, Bhori, Sahiya, Badnu, Datnu, Maletha, Barad, Patan, Phateu , Ichhla, Semalta, Pata, Kalsi-Johar
		Sahaspur	Pawwala Soda, Shaspur, SwaranDobri,
		Vikasnagar	Langha, Pasauli, Rudrapur, Godariya
	Tehri Garhwal	Jaunpur	Mazhgaon, Kelwan, Maroda, Lamkande, Tegna
		Thatayur	Almas, Rotukibeli
Uttar Pradesh	Agra	Etmadpur	Nayabans, Garapur, NaglaGangaram, Surehra, Chhirbari, Behrampur
		Fatehabad	GarhiUdairaj, Sarangpur, Bilpura, Manikpura, Basai Gurjar
Karnataka	Citradurga	Molakalmuru	Hanumapura, Netranahalli, Vittalapura, Maramanahalli
	Bellary	Bellary	Karekal, Chellagurki, Joladarasi, K. Virapur
Himachal Pradesh	Solan	Nalagarh	Mandhala, Johranpur
		Kalka	Sukhomajri
Haryana	Panchkula	Pinjore	Kajiana, Mallah
		Barwala	Janauli, Bunga, Jabrot, Nolta
Punjab	SAS Nagar	Derabassi	Bhagwasi
Madhya Pradesh	Datia	Datia	Jigna, Imaliya, Tiwaripura, Chopra, Dang Karera, Sitapur, Nayagaon, Murera, Maheba
Odisha	Koraput	Simliguda	Jogiput
	Rayagada	Pottangi	Rosaiput
		Nandapur	Paknaput
		Tikiri	Pujariput, Jharaput, Rajput, Rajbidai
Tamil Nadu	Coimbatore	Karamadai	Oomapalayam, Thimanna , GoundanPudur
	Nilgiri	Udhagamandalam	Seenguli, Madithorai, Senguttaiyur
		Kotagiri	Petticombai, Selarai, Sedikal, Kurkundha
		Ooty	Pamparai, Melkavhatti
Gujarat	Anand	Anand	Rajupura
	Kheda	Kheda	Nanarampura
	Vadodara	Vadodara	Ryka
	Panchmahal	Pavaghar	Dodka, Navad

6. ICAR-VPKAS, Almora

State	District	Block	Name of Villages
Uttarakhand	Almora	Tarikhet	Tipola, Chhapar, Baliyali Tunakot, Syalikhet
		Dwarahat	Baralgaon, Pagsa, Aina, Kuwalui
		Dhauladevi	Bhagartola, Papgad, Silangi, Nainigooth, Kadauri, Deengrigooth
		Hawalbagh	Naula, SallaRautela, Balsa, Champa, Syahi Devi, Raun, Dal, Bimola, LatwalGaon, Naugaon
		Chaukhutiya	Bageri, Godi, Bishtbakhli, Basbhida

7. ICAR-ATARI, Ludhiana

State	District	Block	Name of Villages
Punjab	Ludhiana	Samrala	Bhagwanpura, Diwala, Gharkhana, Gosalan, Powat

8. ICAR-CIPHET, Ludhiana

State	District	Block	Name of Villages
Punjab	Ludhiana	Ludhiana-1 and Ludhiana II	Ayali, Talwara, Jainpur(Zainpur), Baggakhurd, Baggakalan, Humbran, Baran Hara, Malakpur, Ghaunspur, BhathaDhua, Deatwal/Dewatwal, Gahaur, Bains, Jhamat, Rasulpur, Jandi, Kot Mann, Rauwal, Gorsian, Cheemakhurd, Kandolakalan, Ganapind, Dhina, Rajjowal, Bhattian Bet, Issewal, Gahaur, Dakha, Kailpur, Ghulal
	Fazillka	Fazillka	Neelon, kalan, Rohla, Chahalan, Ajloud, Birmi, Salampur, Basmi, Fagla

9. ICAR-IIMR, Ludhiana

State	District	Block	Name of Villages
Haryana	Sonepat	Rai	Jakhouli, Jhundpur, Jagdishpur, Pabesara, Khurrampur
Rajasthan	Banswara	Banswara	Karanpur, Runjia, Bansla, Budwa, Kevadia
Telangana	RangaReddy	Shamshabad	Burjugadda, Thanda
		Amangal	Polepalli
		Doma	Batlachandaram, Dadapur
		Wargal	Pamulaparthi
Bihar	Khishanganj	Virpur	Virpur
Punjab	Hoshiarpur	Garhshankar	Barapur, Shiwan, Harman, Achalpur
	S.B.S. Nagar	Balachaur	KukarSuha, Adoana, Chandiani, Akliana

10. CSK HPKV, Palampur

State	District	Block	Name of Villages
Himachal Pradesh	Kangra	Baijnath, NagrotaSurian	Sagoor, Bagga
	Sirmaur	Pacchad, Sangrah, Poanta Sahib	Panwa, Khalakiyar, Shivpur
	Lahaul&Spiti	Keylong	Namu
	Bilaspur	Jhandutta	Bala
	Mandi	Karsog	Gothra and Gharot
		Sundernagar	Bhanwar and Phagla
	Kullu	Kullu	Chhoel
			Jia
	Hamirpur	Bhoranj	Jhinjkari
	Una	Una	Fatehpur

11. Dr. YSPUH&F Solan

State	District	Block	Name of Villages
Himachal Pradesh	Solan	Solan	Barog, Dharot, Jaunaji, Parag, Kothon, Shamti, Chewa, Saproon, Anji, Basal, Seri, Mashiwar, Ser Banera, Sanhol, NauniMajhgaon, Top-ki-ber, Dhangri, Shamrod, Salogra, Oachghat
	Sirmaur	Dharampur	Dharampur, GarkhalSanawar
		Pachhad	Daro Devaria, Mangarh, Naina Tikkar, Darabli, Kotla Panjola, Chamenji, Narag, Dilman, Wasni
		Rajgarh	Karganoo

12. SKAUST, Srinagar

State	District	Block	Name of Villages
Jammu & Kashmir	Baramulla	Rafiabad	Malgonipora, Behrampora, Drusoo, Marazigund, Watergam
	Srinagar	Hazratbal	Tailbal, Gasoo, Batpora, Burzuhama, Chatterhama
	Anantnag	Shahabad	Bragan, Larkipora, Kreri
		Breng	Nowpora, Sagam

13. GADVASU, Ludhiana

State	District	Block	Name of Villages
Punjab	S.A.S. Nagar (Mohali)	Majri	Dulwankhadri, Fathegarh, Baroudi
		Kharar	Barouli, Badanpur

14. PAU, Ludhiana

State	District	Block	Name of Villages
Punjab	Patiala	Rajpura	Jansua
	Ropar	Chamkaur Sahib	Mahlan, FatehgarhViran. Rampur Fasse, Mohan majra, Rasidpur, Behrampur bet
		Ropar	Chaunta, Jhallian
	Fatehgarh Sahib	Sirhind	Pandrali, Attapur, Panjolikalan, Badaushikalan, Chaurwala
	Kapurthala	Dhilwan	MianiBakarpur
		SultanpurLodhi	Meripur, Swal, Boolpur
		Kapurthala	Bhagwanpur
	Ludhiana	Samrala	Bhagwanpura, Diwala,
		Machhiwara	Gharkhana, Gosalan Powat
	Mansa	Mansa	KotDharmu

ANNEXURE- III

Trainings conducted under MGMG by the ICAR Institutes and SAUs

S. No.	Institute/SAU	Area of training
1	ICAR-CITH Srinagar	• Chip budding methods in temperate fruit crops • Seed production technique in vegetable, fruit and flowers crops
2	ICAR-VPKAS Almora	• Seed production of Rabi and Kharif crops for farm women
3	ICAR-IISWC Dehradun	• Management of fodder trees • Soil and Water Conservation technologies for crop production • Training programme on rainwater harvesting • Technologies and managements for doubling of farmers income • Value addition in plantation crops and vegetables in the Nilgiris • Organic farming practices for Plantation Crops and Vegetables in The Nilgiris • Medicinal and aromatic production techniques
4	ICAR-DCFR Bhimtal	• Integrated fish farming
5	ICAR-ATARI Ludhiana	• Techniques of soil sampling for field crops & Interpretation of soil test reports • Value addition to agricultural products & agricultural bi products • Improved production technology for Kharif crops • Use of solar energy gadgets • Integrated pest management in Kharif crops & safe use of pesticides • Promotion of Direct Seeded Rice for resource conservation • Paddy straw management through use of happy seeder for wheat sowing
6	CSK HPKV Palampur	• Integrated Agriculture for enhancement of farm income • Mushroom Cultivation • Production, protection and marketing of organic produce • Meeting farmers for use digital technology • Marketing of milk and milk products • Production protection and marketing of ginger and other cash crops • Seed production of cereals and pulses • Value addition and marketing of cash crops and fruits • Soil sampling, Soil testing, IPM and IDM in crops • Techniques for cash crop cultivation • Soil test based nutrient management in Apple • Soil test based nutrient management in cash Crops • Pre FLD training programme on pulse crops at KVK campus • Scientific cultivation of Cereal and oil seed crops • Nursery and vegetable production in open and under poly house conditions • Back yard poultry production to enhance the farmers income • Zero budget and natural farming to increase the net profit of farmers income

S. No.	Institute/SAU	Area of training
		• Exotic Vegetable Cultivation Technology • Food Processing under HPCDP –JICA • Soybean Processing- An alternate to earn capital • Techniques about animal Science • INM in vegetable crops for obtaining high quality vegetables • Improved practices of vegetable growing • Training on weed management • Nutritional management of dairy animals • Integrated Orchard management in pomegranate • Improved cultivation practices in pea for higher returns • Management of small scale poultry farms • Training programme on "Scientific cultivation of cole crops" • Training camp on scientific cultivation techniques for *kharif* pulse crop. • Soil testing and importance of balanced nutrient application in crop production. • INM and Weed management in wheat for better quality production • Training programme on scientific wheat cultivation
7	SKUAST Srinagar	• Soil Sample techniques to determine the soil health
8	GADVASU Ludhiana	• Soil health management through green manuring and crop residues • Importance and preparation of UMMB in livestock production (Sheep)
9	PAU Ludhiana	• Insect pest and disease management in sugarcane. • Vocational Training on Horticulture and field visits • Preparation of FYM, compost and green manuring • Safe storage of grains to increase the storage period and prevention from rodents • Crop diversification for sustainable agriculture • Scientific management of dairy animals • Weed management in Rabi crops • Preparation of feed and silage for dairy animals • Preservation of fruits & vegetables for their value addition • Fertilizer requirements of Poplar and Eucalyptus • Safe handling and Judicious use of pesticides in paddy and basmati • Value addition of soybean by making soya milk, soya cheese (Tofu) etc • Nutrition during pregnancy and lactation • Managements of Agro forestry through high tech implements • Dehydration of seasonal vegetables by using solar drier • Nursery raising techniques of Poplar • Cultivation of clonal eucalyptus • Preparation of nutritious recipes from button mushroom • Utilizing of greens for iron security • Production technologies of cucurbits for enhancement of yield • Dietary treatment for anaemia to curb it with nutritious diet • Diversification option for kharif crops • Seed treatment for seed borne diseases in kharif and Rabi crops • Personal hygiene for adolescent girls • Spray techniques & safe use of pesticides • Preservation of fodder through silage making • The art of chocolate, sweets and snacks making

S. No.	Institute/SAU	Area of training
		• Seed processing and seed certification for ensuring quality seed • Resource conservation machinery for Kharif crops • Management of honey bees in summer season • Production technologies for ensuring year around green fodder availability • Improved technologies for raising paddy nursery • Use of happy seeder for sowing moong • Post harvest handling of onion and garlic • Urea treatment of wheat straw and its feeding in dairy animals • Role of bio-agents in IPM • Zero energy cool chamber for storage of vegetables • Judicious use of water at household level • Management of foot rot in basmati • Cultivation of rainy season vegetables • Workshop on Quality Production of Basmati Rice for Export • Management of insect pests of Rice and paddy • Diseases of dairy animals and their preventive measures. • Care of children during rainy season • Need and benefits of biogas plants • Use of pesticides and its effect on environment • Preservation of summer fruits and vegetables • Detergent and Phenyl making at home • Prevention and management of osteoporosis • Minimizing health hazards through judicious use of pesticides • Seed plot technique for disease free potato seed • Paddy straw management machinery • Educating rural people against female foeticide • Care and maintenance of biogas plants • Management of late blight in Potato • Prevention and management of Diabetes • Small Scale processing of vegetables • Feed Computation of dairy animals • Insect pest and disease management in Rabi Crops • Post harvest management of winter vegetables • Seed treatment in spring season crops like sunflower, maize, muskmelon and watermelon • Management of honey bees in spring season • Techniques for successful cultivation of summer pulses • Techniques of soil sampling for field crops & Interpretation of soil test reports • Value addition to agricultural products & agricultural bi products through utility & Decorative articles • Improved production technology for Kharif crops • Promotion of Direct Seeded Rice for resource conservation

ANNEXURE- IV

List of demonstration conducted under MGMG

Name of Institute/SAU	List of demonstration conducted
1. ICAR-CPRI Shimla	• Variety popularization of Kufri Himalini & K. Girdhari
2. ICAR-DMR Solan	• Mushroom post harvest technology and value added products • Demonstrations on improved cultivation technology and varieties of different mushrooms.
3. ICAR-CITH Srinagar	• Cultivation of elite varieties of fruit crops • Seeds of pea, knoll khol, turnip, cabbage and swiss chard • Protected cultivation of tomato, capsicum and cucumber, kale, chinese cabbage, lettuce, brussels sprout • Vermi-composting techniques • Effect of mulching in capsicum • Nutrients management in tomato and capsicum crops • Weed management in tomato and capsicum • Integration of intercropping (garden pea var. VL-10) and INM under apple orchard (Kharif and Rabi) • Wooly aphid management in apple orchards • Low cost water harvesting techniques • Demonstration of aquaculture and importance and rearing of cold water fishes and azola production in hilly areas • Field visit and inspection of temperate fruit crops in selected pilot site. • Demonstration of budding methods in temperate fruit crops
4. ICAR-DCFR Bhimtal	• Fish farming in polytanks and ponds • Practices of trout farming in raceways
5. ICAR-IISWC Dehradun	• Green manuring (Dhaincha) for yield enhancement in Mustard and wheat • Green manuring for productivity enhancement in red soils of Bundelkhand • SWC measures in Jhola land management • Nursery raising for vegetable cultivation • Water harvesting technique using *Jholakundi* • Demonstration on mushroom production • Use of coffee pulping machine for value addition in coffee • Harvesting methods of tea leaves for making silvertips tea • Use of organic inputs in plantation and vegetable crops • Fertiliser application in young tea plantation • Drumstick plantation in farmers field • Bamboo plantation in farmers Mahi river ravines

Name of Institute/SAU	List of demonstration conducted
7. ICAR-ATARI Ludhiana	• Paddy straw management through use Happy Seeder and Chopper/Mulcher • Machines for stitching & embroidry • Accurate use of solar gadgets
8. ICAR-IIMR Ludhiana	• Single cross hybrid maize (DHM 117, COHM6, P3396, P3546 and DKC 9108)
9. CSK HPKV Palampur	• Improved practices of Black gram (var Him Mash 1), Sesame (var Brijeshwari), sarson (var KBS-3), Toria (var Bhawani), Wheat (var HPW 349), Lentil (var Vipasha) • Use of Gypsum fertilizer in toria, • Yellow rust management in wheat • Drip irrigation kit in Cash Crops • FLD on Chickpea, Gobhi Sarson, wheat, mash, azolla cultivation, Bloosm End Rot (BER) management in tomato • Different formulation preparations under Zero budget natural farming • Method Demonstration on preservation of fruits and vegetables • Area specific mineral mixture for dairy animals • Varietal demonstration on pea -Pb 89, pomegranate-variety Kandhari, French bean cv. Palam Mridula and Fodder maize cv African Tall • Improved housing for dairy animals
10. SKUAST Srinagar	• Cultivation of Traditional Rajmash • improved varieties of backyard poultry birds (Kuroiler and Vanraja) • New variety of Shalimar fodder oat-1 • Popularization and seed multiplication of Jhelum variety of Paddy
11. PAU Ludhiana	• CFLD on chickpea (PBG 7), lentil (LL 931), Gobhi Sarson (GSC 7) and Moong (SML 668) • Upgradation of low grade roughage • Wheat sown with Happy Seeder • Paddy straw management with Bailing and Mulching • Seed treatment of cereal and vegetable crops • Processing of fruits and vegetables • Demonstration on seed production • Cultivation of *Moringaoliefera* trees • Management of fruit fly in Guava though pheromone trap • Zinc deficiency in Poplar • Improved practices of wheat variety HPBW-01, WB-02, PBW 725 and summer mash 1008 • Paddy straw management through Happy Seeder and Chopper/Mulcher • Fodder/Berseem BL -10/Rye Grass PBRG 1 • Varietal demonstration on Summer Moong (SML 668) • Machines of stitching & embroidry • Phenyl and Detergent making • Green manuring for improving soil health • Use of low tunnel technology for raising vegetables

ANNEXURE- V

Literature support provided under MGMG

S. No.	Institute/SAU	Literature Support Provided
1.	ICAR-CPRI Shimla	• Sankalp se Siddhi (in Hindi) • Nutrient deficiency symptoms in apple
2	ICAR-DMR Solan	• Ten Extension folders on "Cultivation technology of different mushrooms"
3	ICAR-CITH Srinagar	• Aquaculture in hilly areas
4	ICAR-DCFR Bhimtal	• Parvati yechhetron me machhli palan (in hindi)
5	ICAR-IISWC Dehradun	• Crop calendar for red and black soil • Horticulture calendar • Package of practices for onion, tomato and pomegranate • Budalkh and chetar mai mudra evam jal sancharan ke abhiyantrik upaiyon ke dindarshikha (in Hindi) • Intercropping in Kharif season • Sambuta grass technology • Bio-Engineering measures • Jholakundi: low cost water harvesting device • Soil testing and its importance • Vermicomposting • Mulching in horticulture crops • Stone bunding • Lemon grass cultivation • Improved package of practices for field and plantation crops • Artificial recharge structures for enhancing ground water • Rain water harvesting techniques • Notice on awareness creation on individual toilet construction in villages • Soil and Water Conservation Measures in Young Tea Plantation
6	CSK HPKV Palampur	• Mahki de suchaji kheti (in Punjabi) • Gobhisarson and chickpea ki kheti (in Punjabi) • Disease and weed control in cereals, oilseed and vegetables • Feeding instructions of dairy cow • Agriculture marketing • Preservation of Pumpkin • Poultry farming • Kishore awasthamein anemia(in Hindi) • Aharki Pustika(Hindi) • Sharir me inlohtatavka Mahatav(in Hindi) • Soil testing importance in crop production • Krishi Vigyan Patrika and Bima Yojana • Mushroom Cultivation • Garlic & Cucumber Production Technique
7	Dr. YSPUH&F Solan	• Recommendations of important disease and pest managements

S. No.	Institute	Literature Support Provided
8	GADVASU Ludhiana	• Six steps of washing hands • Disposal of waste • Parali sadan to bachie, mitti ate paryavaran nu bachaie (in Punjabi) • Mitti ate pani di parakh (in Punjabi) • Parali di suchaji varton laisujaa (in Punjabi) • Parthenium eradication pamphlet • Lassan & Cholyean di change kashat layi shifarishaa (in Punjabi) • Haldi rang de naal sehatl ayi v jruri (in Punjabi) • Cultivation practices of Gobhi Sarson • World Water Day Pamphlet
9	PAU Ludhiana	• Package of practices for cultivation of rabi/kharif • In-situ paddy straw management • Improved techniques for cultivation of Gram, Sunflower, Moong • Chuhian di roktham and Gobhisaron di kasht (in Punjabi) • Campound cattle feed formulation • Paralee di Sambhal (in Punjabi) • Solar cooker di varton (in Punjabi) • Soil and Water testing • Kitchen gardening • Crop residue burning • Parthenium Eradication • Bio-fertilizer • Preservation of fruits and vegetables

ANNEXURE- VI

Areas of awareness created under MGMG

Institue/SAU	Areas of awareness
1. ICAR-CPRI Shimla	• Planting, nutrients and harvesting of potato tubers • Beti Padhao, BetiBachao • Disease of cauliflower, bean and potato • Sankalp se Siddhi program/Doubling farmers' income • Diseases management for pea and apple crops. • Central Government schemes like Swachh Bharat Abhiyan • Management of wolly aphids by applying Imidacloprid. • Integrated Management of powdery mildew. • Importance of crop rotation for managing diseases • Self-prevention while spraying insecticides for wooly apple aphids.
2. ICAR-DMR Solan	• Medicinal and nutritional values of mushroom • Awareness about benefits of yoga and importance of cleanliness in day to day life • Parthenium awareness to the school children. • Precautions for tomato wilt explained. • Mushroom post harvest technology and its value added products. • Awareness about soil health and productivity
3. ICAR-CITH Srinagar	• Waste management through vermicomposting and • Water harvesting & conservation of natural resources • Effect of climate change on horticultural crops • Swachchhata mission and awareness on garbage and harmful chemical container disposal. • Disposal and decomposition techniques of field residues, house and kitchen waste materials • Rain Water harvesting, micro irrigation and water harvesting techniques • Cleanliness in orchard and surroundings • Application of bio fertilizer • Collection and identification of disease infected plant leaves/parts and their management on health concept • Training and pruning of fruit crops. • Method of application of Chaubatia paste on cut/pruned portion • Walnut cultivation and propagation • formation of commodity groups and organized marketing (TERI) • Doubling farmers income through high tech horticulture • Emerging trends in Hi tech hill horticulture in changing climate
4. ICAR-DCFR Bhimtal	• Effect of climate change on different crops • Practice of Fish Production & seed production
5. ICAR-IISWC Dehradun	• Awareness on Swachh Bharat Abhiyan, Climate change • Crop and animal insurance • Soil health management through soil testing • Groundwater recharge through recharge filters and Importance of water conservation • Agri-horticulture for diversified income • Hazardous effect of crop residue burning • Integrated farming system for livelihood development security • Integrated nutrient management for sustainable yields • Small millets: A nutrient food for children

Institute/SAU	Areas of awareness
	• Impact of shifting cultivation • Creation of awareness among the farmers on importance of Soil testing • Keeping the village neat and clean and using degradable wastes as manures for encouraging organic farming practices • Value addition in plantation and vegetable crops • Organic farming practices in plantation and vegetable crops • Schemes available with various development departments and NGOs for the benefit of farmers • Segregation of degradable and non degradable wastes and disposal
6. ICAR-VPKAS Almora	• Soil Health Cards importance • Krishi mein swachhata (Cleanliness in agriculture) • Moving forward through collective action • Improved cultivation practices and quality seed production of wheat and lentil • Good practices of weed management in rabi crops • Pradhan Mantri Fasal Beema Yojana
7. ICAR-ATARI Ludhiana	• Swacchata Abhiyan to create hygienic conditions • In-situ crop residue management
8. ICAR-CIPHET Ludhiana	• Processing of fruits and vegetables • Publicity of KVK mobile app among the farmers • Pearl millet based extrudates and its advantages • Cryogenic grinding of spices • Minimal processing of vegetables and soya milk • Tomato puree manufacturing and bottling technology • Process for making green chili puree and powder, ginger powder, dried onion flakes and powder • No burning of rice stubble • Alternate to conventional farming- Mixed farming • Importance of food processing • Different post harvest processing technologies and machinery developed for value addition were discussed • Food processing and water management through plastic lined ponds. • Different high return crops that farmer should grow • Swacchh Bharat Abhiyan for hygienic India • Soil and water testing programs
9. CSK HPKV Palampur	• Improved practices of nursery raising, plant Protection, value addition and crop Production of vegetables and fruits • Swachhata Abhiyan among the farmers • Animal sciences related technology • Improved pulse production technologies • Cultivation practices of pulses • Parthenium eradication for good health and environment • Off season vegetable cultivation • Orchard Management • Organic input production to decrease dependability on inorganic inputs • Cultivation Technology of Rabi pulses and Sarson • National Nutrition Week (Role of minor millet in combating nutritional deficiencies) • Yellow rust management in wheat • Climate change effects on crops and humans

Institute/SAU	Areas of awareness
10. Dr. YSPUH&F Solan	• Cultivation of fruits, vegetables, forage grasses, fodder, and bamboo and agroforestry systems • Swachh Bharat Abhiyan, Soil health card and Women empowerment • Water conservation technologies • Zero budget agricultural techniques • Need of soil health card and scientific spray schedule • Management of soft rot of ginger • Treatment of rhizomes for safe storage • Use of yellow sticky traps for monitoring and management of whiteflies • Use of eco-friendly approaches including the use of neem • Importance of soil testing, maintenance of soil fertility, scope of organic farming
11. SKUAST Srinagar	• Benefits of good soil health • Facts about animal nutrition • Field Crop Production • Cultural practices of apple production • Market Oriented Floriculture • Alternate to increase farm income - Backyard Poultry
12. GADVASU Ludhiana	• Importance of mineral mixture feeding in dairy animals • Importance of bypass fat supplementation in buffaloes • Importance of sanitation and hygiene • Formation and management of self help group • Importance of mineral mixture feeding in dairy animals • Importance of bypass fat supplementation in buffaloes • Nursery management of Basmati rice and its scientific transplanting • Scientific management of rice during flowering and post flowering stages • Parthenium eradication and its ill effect on health • Management practices for fruit crops • Kitchen gardening of vegetables and fruits • Balanced & judicious use of fertilizer and irrigation water. • Maintenance of soil health for higher soil productivity • Safe use of pesticides • To grow pulses and oilseed through CFLDs. • Optimum use of agrochemicals.
13. PAU, Ludhiana	• Ways to improve soil health- Soil science • Prevent crops from pests • Feed management in animals • Growing of vegetables- Kitchen gardening • Eradication of parthenium • Management of white fly • Resource conservation technologies for field crops • Swachh Bharat Abhiyan • Awareness Campaign on Recommended Varieties of Rice and wheat • Awareness on residue burning • Survey on sheath blight for its proper management • Campaign on use of Bio Fertilizer • Importance of breast feeding • Importance of nutrition for young children, teenage girls, pregnant and lactating women • Importance of women in agriculture

ANNEXURE- VII

Linkages developed with other agencies

Institute/SAU	Name of department/ organization/agency
1. ICAR-CPRI Shimla	KVK Rodu& Kandaghat
2. ICAR-CITH Srinagar	ATMA and Pariyojana TERI and Chirag (NGO) ICAR-IVRI Mukteshwar; ICAR-DCFR, Bhimtal; ICAR-VPKAS, Almora and ICAR-NBPGR, Bhawali Department of Horticulture, J&K
3. ICAR-DCFR Bhimtal	KrishiVigyan Kendra, Jeolikot, Nainital Fisheries department, district Nainital, Uttarakhand ICAR- CITH, Mukteswar and ICAR- VPKAS, Almora KVK, West Kameng and Subansiri
4. ICAR-IISWC Dehradun	Veterinary Officers of Etmadpur, Fatehabad and Pinhat Blocks KVK, Datia, Babur, Hagari, Simliguda and Firozabad ICAR-IGFRI and ICAR-CAFRI, Jhansi PD, Watershed, Koraput Agriculture and Horticulture department, Koraput M. S. Swaminathan Research Foundation, Jeypore Project Directorate watershed, Distt. Kandhmaal Rajasthan State Seed Corporation Water Technology C entre, Tamil Nadu Agricultural University, Coimbatore. Agriculture Research Station, bhavanisagar, TNAU Coffee Board, Coonoor Tea Board, Kotagiri Horticulture Research Station,TNAUOoty Anand Agriculture University, ICAR-DMAPR, Anand and ICAR-CHES, Godhra (Gujarat)
5. ICAR-VPKAS Almora	AMAN NGO
6. ICAR-ATARI Ludhiana	KVK, ATMA and NABARD
7. ICAR-CIPHET Ludhiana	ATMA ICAR-CIPHET KVK, Nawanshahar and langroya
8. ICAR-IIMR Ludhiana	PJTSAU, Hyderabad
9. CSK HPKV Palampur	ATMA Agriculture, Horticulture, Forest and Animal Husbandry department Local Panchayat and Women and Child Welfare (ICDS) Bharat VikasSangam IFFCO, NABARD and PNB
10. Dr. YSPUH&F Solan	Line departments of the state government
11. SKUAST Srinagar	Department of Agriculture, Horticulture, Floriculture and Animal Husbandry

Institute/SAU	Name of department/ organization/agency
12. GADVASU Ludhiana	Agriculture and Dairy Development Department
13. PAU Ludhiana	ATMA, NFL, NABARD, CDPO and KRIBHCO Ambuja Cement Foundation Department of Animal Husbandry, Agriculture, Horticulture, Forestry, Social welfare and Soil conservation Regional Research stations

ANNEXURE- VIII

Deatils of Input support provided under MGMG by the Institute/SAU

Name of Institute/ SAU	Type of Input Support Provided
1. ICAR-CPRI Shimla	• Breeder seed of kufri Himalini & K. Girdhari
2. ICAR-DMR Solan	• 200 comosted bags
3. ICAR-CITH Srinagar	• Seeds of Tomato cvs. H-86, VL-4, Manisha, Aman, Dev, Badsah, Shahenshah, Cucumber cvs., Capsicum cvs. (California Wonder, Orobelle, Yamuna, Bomby, Bharat, Lucky Star, CITH-M-SP-2, CITH-M-SP-4, CITH-M-SP-5) • Seeds of garden pea, lettuce, onion, chinese cabbage, kale, brussels sprout • Animal medicines • Temperate fruit plants (apple, plum and walnut)
4. ICAR-DCFR Bhimtal	• Fish fingerlings and feed
5. ICAR-IISWC Dehradun	• Wheat, Mustard, Dhaincha, Drumstick and Sunhemp seed • Fertilizers provided- Urea, DAP, MOP, SSP • Soil Health card • Groundnut variety K-9, Cotton variety Superior 900, and red gram variety BRG-2 • Hybrid vegetable seed Tomato, Brinjal, Cauliflower, Cabbage, Chilli, Maize, Coriander, Green Pea • Coffee pulping machines • Wells and irrigation pipes • Water conveyance pipe (m) • Planting material of Bamboo • Mushroom Spawn of various types • Insecticide: Phorate and Herbicide: 2,4-D
6. ICAR-VPKAS Almora	• Improvrd varities of wheat-VL*Gehun* 907,VL *Gehun* 953, VL *Masoor* 126 • Lentil, Cabbage, Cauliflower, Pea, Lahi, Radish • Solar cabinet drier
7. ICAR-ATARI Ludhiana	• Paddy and wheat Seed
8. ICAR-CIPHET Ludhiana	• Jaggery and Honey processing technologies
9. ICAR-IIMR Ludhiana	• Improved maize seeds of cultivars DHM 117, COHM(6), P3396, P3546 and DKC 9108
10. CSK HPKV Palampur	• Seeds (q) of Black gram, Sesame, Toria, Wheat, Lentil, Mustard, Chick Pea and Gobhi Sarson • Fertilizers (q) Gypsum in toria • Tilt fungicides –Wheat • Agrochemical IPM and Drip irrigation kits • Herbicide Alachlor • Protein rich Weaning food for children

Name of Institute/ SAU	Type of Input Support Provided
	• Area specific mineral mixture • Provide Cow mats, Calicium chloride, Azolla culture and Uromin Mol Bricks (UMB)
11. SKUAST Srinagar	• Seeds of kharif and rabi crops
12. PAU Ludhiana	• Seeds of cereals, legumes, gobhi sarson, sunhemp, mushroom spawn, berseem • Biofertilizer in field crops • PAU vegetable kit and fruit fly traps • Happy Seeder • Bio fertilizer Consortium • Fodder/ BL -10/Rye Grass PBRG 1 • Leaf Color Chart • Seed Treatment of wheat with Vitavax power and Paddy with Bavistin • Rat Control with Zinc Phosphide • Safe Storage of food grains with Cellphos • Working of solar cooker and solar dryer • Seeds of summer and winter vegetables