

**ANNUAL REPORT 2016-2017**

**MEERA GAON MERA GAURAV**



**ICAR-Agricultural Technology Application Research Institute**

**Ludhiana-141004 (Punjab)**



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**Director**

ICAR- Agricultural Technology Application Research Institute, Zone-I  
PAU Campus, Ludhiana - 141001, Punjab, India

**Telephone:** 0161 – 2401018

**Fax :** 0161 – 2412719

**Email :** zcu1ldh@gmail.com, atariludhiana@icar.in

**Website :** <http://atarilicar.res.in>

**Editors :**

Arvind Kumar

Pragya Bhadauria

Preeti Mangai

Ashish S. Murai

**Compilation Assistance:**

Harmanpreet Kaur

Jaspreet Singh Randhawa

Meena Rana

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**Email :** decentpublish@gmail.com



**Dr. Rajbir Singh**  
Director



**भा.कृ.अनु.प.-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान**  
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**ICAR-Agricultural Technology Application Research Institute**  
Zone -1, PAU Campus, Ludhiana-141004

## FOREWORD

Presently, various NARS institutions have developed and refined technologies as per the need of the farming community. Although, the farmers of India, mostly the small and marginal farmers are information starved. The deluge of information needs to be disseminated among the farming communities and our extension systems are not equipped enough to deliver the information as per the requirement. In this context, to increase the farmer-scientist interface and to reduce the delay in delivery of useful information to the target farmers, an innovative initiative “Mera Gaon - Mera Gaurav” was planned and implemented by ICAR under Frontline Extension Systems by the Agricultural Extension Division, ICAR, New Delhi. The Deputy Director General, Agricultural Extension Division, ICAR is implementing authority of MGMG in the country through the network of ATARIs located in different zones. Under this scheme, scientists of various ICAR Institutes and SAUs have adopted villages as per their convenience and remain in touch with the farmers of these villages and provided information to them on technical aspects through personal visits. During 2016-17, a total of 369 teams of 1413 scientists covered 1401 villages and benefitted more than 66,000 farmers of Zone-I, which is quite appreciable.

I place on record my acknowledgment to Nodal Officers, Co-Nodal officers, Multi-disciplinary teams of Scientists of the ICAR Institutes and State Agricultural Universities of Zone-I for their valuable contributions in MGMG. I also appreciate the efforts of team ICAR-ATARI, Ludhiana for bringing out this publication.

Rajbir Singh



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## 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 87<sup>th</sup> Foundation Day of ICAR and 9<sup>th</sup> National Conference of KVKs 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 more than 80 percent in terms of number of operational holdings and more than 40 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 remaining 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. At Institute/University level, many groups of multi-disciplinary scientists work and one group normally consists of four scientists who adopt 4-5 villages.

### **Implementation**

Under this scheme, scientists have selected villages as per their convenience and remain in touch with the selected villages and provide information to the farmers on

technical and other related aspects in 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 make use of community radio, local newspapers, mobile messages, video, exhibition and local media and make initiatives to have 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, 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 linked this to Swachh Bharat Abhiyan.

### **Selection of Villages**

Each group of scientists from various Institute/University has adopted 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 while selecting the villages. A format has been devised to analyse farming system, climate, social and economic condition 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:

- Swachchh 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. A Principal Scientist/ Professor nominated as a nodal officer at Institute /University level is responsible for the submission of their benchmark survey and progress report to the Director, ATARI who sends the consolidated report to Assistant Director General/ Principal Scientist (Agricultural Extension).

## 2. Progress of Mera Gaon Mera Gaurav (MGMG)

Zone-I consists of four states and one Union Territory (UT) viz. Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir and Delhi. The MGMG scheme in this zone is being implemented by ICAR Institutes and SAUs. A total of 17 ICAR institutes and 07 State Agricultural Universities (SAUs) are working in this Zone. ICAR Institutes and SAUs of this Zone have nominated Nodal Officer at Institute/University level (Annexure-I). Table 1 clearly depicts that 369 teams of scientists were formed comprising of 1,413 scientists from ICAR Institutes and SAUs who have adopted 1,401 villages under this scheme (Annexure-II).

**Table 1: Summary of Zone-I Under MGMG During 2016-17**

No. of ICAR Institutes/SAUs	No. of Total Teams Formed	No. of Total Scientists	No. of Total Villages Adopted
24	369	1413	1401

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

S. No.	Name of ICAR Institution	No. of Teams	No. of Scientists	No. of Villages
1.	ICAR-IARI & IASRI, New Delhi	121	498	600
2.	ICAR-NBPGR, New Delhi	19	76	95
3.	ICAR-NCIPM, New Delhi	5	22	27
4.	ICAR-NIAP, New Delhi	3	18	15
5.	ICAR-NRCPB, New Delhi	6	40	6
6.	ICAR-CIRB, Hisar	7	26	30
7.	ICAR-NRCE, Hisar	6	23	24
8.	ICAR-CSSRI, Karnal	16	64	78
9.	ICAR-IIWBR, Karnal	14	58	69
10.	ICAR-NBAGR, Karnal	3	27	15
11.	ICAR-NDRI, Karnal	29	118	145
12.	ICAR-CPRI, Shimla	7	30	7
13.	ICAR-DMR, Solan	2	10	12
14.	ICAR-CITH, Srinagar	3	12	3
15.	ICAR-ATARI, Ludhiana	1	4	2
16.	ICAR-CIPHET, Ludhiana	9	46	45
17.	ICAR-IIMR, Ludhiana	7	22	24
	<b>Total</b>	<b>258</b>	<b>1094</b>	<b>1197</b>

S. No.	Name of SAUs	No. of Teams	No. of Scientists	No. of Villages
1.	PAU, Ludhiana	28	66	55
2.	GADVASU, Ludhiana	3	13	10
3.	CCS HAU, Hisar	27	60	59
4.	LUVAS, Hisar	4	20	20
5.	CSK HPKV, Palampur	14	45	13
6.	Dr. YSPUH&F, Solan	32	100	32
7.	SKU AST (K), Srinagar	3	15	15
	<b>Total</b>	<b>111</b>	<b>319</b>	<b>204</b>
	<b>Grand Total</b>	<b>369</b>	<b>1413</b>	<b>1401</b>

### Activities Undertaken Under MGMG

Teams of scientists of various ICAR Institutes and SAUs working in Zone-I have conducted 2,996 visits to their respective adopted villages and contacted 66,215 farmers during 2016-17. The teams also conducted 1161 Interface meetings/Goshthies in which 37,688 farmers participated. In order to motivate farmers to adopt new agricultural technologies/practices and to show the superiority, applicability, economic advantages of new technologies, scientists have conducted 1,995 demonstrations at 13,783 farmers' field on various crop and agricultural practices in their specialised area (Annexure-III). Teams of ICAR Institute and SAUs also organised capacity development programmes for the farmers of MGMG villages. There were 784 training camps organised by different teams of scientists of ICAR-Institutes and SAUs on various aspects of agriculture benefitting 28751 farmers (Annexure-IV). Scientists of this zone also provided 3,111 agro-advisory services by sending 1, 69,209 SMSs to the farmers' mobile phones. Scientific literature developed on various aspects was also provided to 69,715 farmers so that farmers can use it later (Table 3).

**Table 3: Summary of activities organized under MGMG by institutes/SAUs**

S. No.	Name of SAUs	No. of activities conducted	No. of farmers Participated & benefitted
1.	Visit to village by teams	2996	66215
2.	Interface meeting/ <i>goshthies</i>	1161	37688
3.	Demonstrations conducted (ha)	1995	13783
4.	Training organized	784	28751
5.	Mobile based advisories	3111	169209
6.	Literature support provided	563	69715
7.	Awareness created	594	77733
8.	Linkages developed with other agencies	251	34907

Under this scheme, scientists also created linkages with other departments and agencies for the benefit of farmers of their adopted villages. Awareness amongst 77,733 farmers was created on various agricultural technologies, practices, schemes of different departments, crop insurance, Swachhata Abhiyan, etc. (Annexure-V).

To accelerate the adoption of technologies or good agricultural practices in the adopted villages under MGMG, scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, ICAR-Institutes and SAUs also provided more than 2600 quintals seeds to 7508 farmers, approximately 14,000 planting material to 2748 farmers, more than 1500 bags of fertilizers to 772 farmers and others materials benefitting 1254 farmers as presented in Table 4.

**Table 4: Input support provided under MGMG in Zone-I**

S. No.	Name of Input	Qty. (No/q)	No. of farmers benefitted
1.	Facilitation for improved varieties, seeds, technology etc.		
	i) Seeds (q)	2608	7508
	ii) Planting material	13978	2748
	iii) Fertilizers (Bags)	1534	772
	iv) Other input/ material	1446	1254



### 3. Institute-wise Progress Under MGMG

#### 1. ICAR - Indian Agricultural Research Institute (IARI) and Indian Agricultural Statistical Research Institute (IASRI), New Delhi

##### No. of teams formed

Both IARI and IASRI came together and formed 121 multi-disciplinary teams of scientists to carryout activities under MGMG scheme. Thus, a total of 498 scientists of both institutes are involved in MGMG scheme.

##### No. of villages selected

A total of 498 scientists have adopted 600 villages covering 66 development blocks and 23 districts of Uttar Pradesh, Haryana, Rajasthan, Uttarakhand and Delhi. Bench mark survey was completed in 511 villages during 2016-17.

**Table 1: 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 Village)
121	498	600	66	23	511

##### Activities Undertaken

Teams of scientists of IARI and IASRI, New Delhi have conducted 370 visits to their respective selected villages and contacted 12094 farmers. The teams also organised 130 Interface meetings/Gosthies and training camps in which 4870 and 2750 farmers participated, respectively. Table 2 indicates that scientists laid out demonstrations on different crops at 928 farmers' field covering more than 300 ha area.

**Table 2: Activities organised by ICAR-IARI and IASRI**

S. No.	Name of Activity	No. of activities conducted	No. of farmers Participated & benefitted
1.	Visit to village by teams	370	12094
2.	Interface meeting/ <i>goshthies</i>	130	4870
3.	Training	4	2750
4.	Demonstrations conducted (ha)	301.66	928
5.	Mobile based advisories	59	1751
6.	Literature support provided	69	2860
7.	Awareness created	84	6672
8.	Linkages developed with other agencies	13	2745



Teams of IARI & IASRI also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, more than 80 quintals seeds provided to 768 farmers, approximately 390 planting material to 390 farmers, 150 bags of fertilizers to 130 farmers and others materials benefiting 30 farmers as presented in Table 3.

**Table 3: Input support provided**

S. No.	Name of Input	Qty. (No./ha)	No. of farmers benefitted
1.	Facilitation for New Varieties, Seeds, Technology		
	i) Seeds (q)	81	768
	ii) Planting material	390	390
	iii) Fertilizers (bags)	150	130
	iv) Other input/ material	50	30



## 2. ICAR – National Bureau of Plant Genetic Resources (NBPGR), New Delhi

### No. of teams formed

NBPGR formed 19 multi-disciplinary teams of scientists. Each team comprises of four scientists. Thus, a total of 76 scientists of NBPGR were involved in MGMG scheme.

### No. of villages selected

Five villages were selected by each team of NBGPR scientists. In total, NBGPR has selected 95 villages by its 19 teams. The selected villages spread over four development blocks and one district of Haryana state. However no bench mark survey was carried out during the period under report.

**Table 4: 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 Village)
19	76	95	4	1	95



### Activities Undertaken

Teams of scientists of ICAR-NBPGR, New Delhi have conducted 7 visits to their respective selected villages and contacted 296 farmers. The teams also organised 3 Interface meetings/*goshthies* in which 150 farmers participated as presented in table 5.

**Table 5: Activities organised by ICAR-NBPGR New Delhi**

S. No.	Name of Activity	No. of activities conducted	No. of farmers Participated & benefitted
1.	Visit to village by teams	7	296
2.	Interface meeting/ <i>goshthies</i>	3	150
3.	Mobile based advisories	26	80
4.	Literature support provided	4	350
5.	Awareness created	5	530
6.	Linkages developed with other agencies	1	-



### 3. ICAR – National Research Centre for Integrated Pest Management (NCIPM), New Delhi

#### No. of teams formed

NCIPM has formed five multi-disciplinary teams of scientists. Thus, a total of 22 scientists of institutes were involved in MGMG scheme.

#### No. of villages selected

In total, NCIPM has selected 27 villages by its five teams. The selected villages spread over six development blocks and six districts of Uttar Pradesh, Haryana and Delhi. Bench mark survey was completed in all 27 villages during 2016-17.

**Table 6: 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 Village)
5	22	27	6	6	27

**Activities Undertaken**

The teams have conducted 47 visits to their respective selected villages and contacted 5100 farmers. The teams also conducted 47 Interface meetings/Gosthies in which 5100 farmers participated. 200 demonstrations were laid out on IPM technologies by the scientist at 600 farmers' field. Two training camps on IPM were organised for 1500 farmers. Scientists also provided 64 agro-advisories services to farmers of these villages by sending SMSs through mobile. Scientific literature on new varieties, extension folders covering 8 IIPM related technologies in different crops and other IIPM related literature developed by NCIPM was provided to 196 farmers.

**Table 7: Activities organised by ICAR-NCIPM New Delhi**

S. No.	Name of Activity	No. of activities conducted	No. of farmers Participated & benefitted
1.	Visit to village by teams	47	5100
2.	Interface meeting/ <i>goshthies</i>	47	5100
3.	Training	2	1500
4.	Demonstrations conducted (ha)	200	600
5.	Mobile based advisories	64	64
6.	Literature support provided	8	196
7.	Awareness created	2	2500
8.	Linkages developed with other agencies	3	2000

#### **4. ICAR – National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi**

**No. of teams formed**

NIAP has constituted three teams involving 18 scientists.

**No. of villages selected**

Each team of scientists have selected five villages and a total of 15 villages were selected by scientists of NIAP. The selected villages spread over seven development blocks and three districts of Haryana state. Bench mark survey of all 15 villages was completed during 2016-17.

**Table 8: 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 Village)
3	18	15	7	3	15

**Activities Undertaken**

Teams of NIAP have conducted 10 visits to their respective selected villages and contacted 578 farmers. The teams also organised 16 Interface meetings/Gosthies in which 438 farmers were participated. Scientists also provided eight agro-advisories services to farmers of these villages by sending SMSs through mobile. Two scientific literatures were provided to 136 farmers. Awareness amongst 490 farmers was created about market price, forecasting, government scheme, crop diversification, management of salt affected soils, management and distribution of water in the village.

**Table 9: Activities organised by ICAR-NIAP New Delhi**

S. No.	Name of Activity	No. of activities conducted	No. of farmers Participated & benefitted
1.	Visit to village by teams	10	578
2.	Interface meeting/ <i>gosthies</i>	16	438
3.	Demonstrations conducted (ha)	2	55
4.	Mobile based advisories	8	214
5.	Literature support provided	2	136
6.	Awareness created	11	490



## 5. ICAR – National Research Centre on Plant Biotechnology (NRCPB), New Delhi

### No. of teams formed

NRCPB has formed six multi-disciplinary teams of scientists. Thus, a total of 40 scientists of NRCPB are involved in MGMG scheme.

### No. of villages selected

NRCPB has selected six villages by its six team of scientists. The selected villages spread over one development block and one district of Delhi. Bench mark survey was completed in 16 villages during 2016-17.

**Table 10: 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 Village)
6	40	6	1	1	16

### Activities Undertaken

Teams of scientists of NRCPB New Delhi has conducted 16 visits to their respective selected villages and contacted 155 farmers. The teams also conducted 9 Interface meetings/Goshthies in which 90 farmers were benefitted. 10.5 demonstrations were laid out by scientists at 27 farmers' field. Seven training camps were organised for 198 farmers to update their knowledge. Scientists also provided 80 advisories to farmers. Scientific literature developed on various aspects provided to 6000 farmers and provided input support for an area of 25 ha to 40 farmers. Awareness amongst 172 farmers were also created about GM crop related information, soil health card, crops insurance, availability of quality seeds for different crops, e-marketing, etc.

**Table 11: Activities organised by ICAR-NRCPB, New Delhi**

S. No.	Name of Activity	No. of activities conducted	No. of farmers Participated & benefitted
1.	Visit to village by teams	16	155
2.	Interface meeting/ <i>goshthies</i>	9	90
3.	Training	1	198
4.	Demonstrations conducted (ha)	10.5	27
5.	Mobile based advisories	80	154
6.	Literature support provided	2	6000
7.	Awareness created	4	172
8.	Linkages developed with other agencies	3	117



## 6. ICAR–Central Institute for Research on Buffaloes (CIRB), Hisar

### No. of teams formed

CIRB has formed seven multi-disciplinary teams of scientists. Thus, a total of 26 scientists of the institute are involved in MGMG scheme.

### No. of villages selected

A total of 26 villages were selected by all seven teams. The selected villages spread over 09 development blocks and 4 districts of Haryana, Rajasthan and Punjab states. Bench mark survey of 30 villages was completed during 2016-17.

**Table 12: 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 Village)
7	26	30	9	4	30

### Activities Undertaken

Teams of scientists of CIRB, has conducted 59 visits to their respective selected villages and contacted 2748 farmers. The teams also conducted 59 Interface meetings/Gosthies in which 2748 farmers participated. Demonstrations (18) were laid out by scientists at 1642 farmers' field. Scientists also provided 151 farm advisories by sending SMSs to farmers of these villages. Scientific literature developed on various aspects provided to 1458 farmers. Awareness among 4149 farmers were also created about clean milk production, importance of AI, importance of record keeping in animal husbandry, significance of feeding mineral mixture, swachhta, vaccination, etc.



**Table 13: Activities organised by ICAR-CIRB Hisar**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	59	2748
2.	Interface meeting/ goshties	59	2748
3.	Training organized	5	447
4.	Demonstrations (ha)	18	1642
5.	Mobile based advisories	151	4690
6.	Literature support provided	11	1458
7.	Awareness created	17	4149
8.	Linkages developed with other agencies	17	1975

To ensure that farmers benefit from best farm practices by providing required information, knowledge and advisories on regular basis by adopting villages under MGMG, scientists also provided critical inputs for conducting demonstrations at farmers' field. During 2016-17, CIRB provided 13 quintals seeds to 13 farmers, approximately 160 planting material to 60 farmers and others materials benefitting 182 farmers as presented in Table 14.

**Table 14: Input support provided**

S. No.	Name of input	Quantity (No./q)	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, technology		
	i) Seeds (q)	13	13
	ii) Planting material	160	60
	iii) Other inputs/ material	115	182



## 7. ICAR – National Research Centre on Equines (NRCE), Hisar

### No. of teams formed

NRCE has formed six multi-disciplinary teams of 23 scientists. Most of the teams consist of four scientists including one coordinator.

### No. of villages selected

Most of the teams have selected five villages and a total of 24 villages were selected by scientists of NRCE. The selected villages covers seven development blocks and two districts of Haryana and Rajasthan. Bench mark survey of 22 villages was completed during 2016-17.

**Table 15: 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 Village)
6	23	24	7	2	22

### Activities Undertaken

Teams of NRCE scientists had organised 125 visits to their respective selected villages and contacted 1446 farmers. The teams also organised 54 Interface meetings/Gosthies in which 586 farmers were participated. Scientists also provided mobile based advisories to farmers of these villages. Scientific literature developed on various aspects also provided to 3651 farmers. Awareness about good animal husbandry practices, quality seed and fertilizer was also created among 1762 farmers.

**Table 16: Activities organised by ICAR-NRCE Hisar**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	125	1446
2.	Interface meeting/ <i>goshthies</i>	54	586
3.	Training organized	5	201
4.	Demonstrations (ha)	16	314
5.	Mobile based advisories	16	395
6.	Literature support provided	62	3651
7.	Awareness created	36	1762
8.	Linkages developed with other agencies	20	996

Table 17 indicates that scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, teams of NRCE provided 119 quintals seeds to 497 farmers.

**Table 17: Input support provided**

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, technology i) Seeds	119	497



### **8. ICAR–Central Soil Salinity Research Institute (CSSRI), Karnal**

#### **No. of teams formed**

CSSRI has formed 16 multidisciplinary teams comprising of 64 scientists. Most of teams consist of four scientists including one coordinator.

#### **No. of villages selected**

Most of the teams of CSSRI have selected five villages. However, a total of 78 villages were selected by the institute. The selected villages spread over 24 development blocks and 11 districts of Haryana, Punjab, UP, West Bengal and Gujarat states. Bench mark survey of all 78 villages was completed during 2016-17.

**Table 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 Village)
16	64	78	24	11	78

#### **Activities Undertaken**

Teams of scientists of CSSRI has conducted 164 visits to their respective selected villages and contacted 3167 farmers. The teams also conducted 63 Interface meetings/Gosthies in which 2616 farmers gets benefitted. A total 59.75 demonstrations were laid out on CSSRI technologies by scientists at 256 farmers' field. Scientists also conducted five trainings camps for 168 farmers of these villages. Scientist's literature developed on various aspects also provided to 2726 farmers.



**Table 19: Activities organised by ICAR-CSSRI Karnal**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	164	3167
2.	Interface meeting/ <i>goshthies</i>	63	2616
3.	Training organized	5	168
4.	Demonstrations (ha)	59.75	256
5.	Mobile based advisories	267	616
6.	Literature support provided	22	2726
7.	Awareness created	8	3280
8.	Linkages developed with other agencies	30	3076

CSSRI scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, scientists provided more than 30 quintals seeds to 256 farmers as presented in Table 20.

**Table 20: Input support provided**

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, technology i) Seeds	31.63	256



### 9. ICAR – Indian Institute of Wheat and Barley Research (IIWBR), Karnal

#### No. of teams formed

IIWBR has formed 14 multidisciplinary teams comprising of 58 scientists. Most of teams consist of four scientists including one coordinator.

**No. of villages selected**

Most of the teams of IIWBR have selected five villages. However, a total of 69 villages were selected by the institute. The selected villages spread over 19 development blocks and 15 districts of Haryana, Himachal Pradesh and UP states. Bench mark survey of all 69 villages was completed during 2016-17.

**Table 21: 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 Village)
14	58	69	19	15	69

**Activities Undertaken**

Multidisciplinary teams of IIWBR scientists has organised 183 visits to their respective selected villages and established contact to 4612 farmers. The teams also conducted 51 interface meetings/Gosthies in which 1509 farmers get benefitted. A total 23.5 demonstrations were laid out on IIWBR technologies by scientists at 105 farmers' field. Scientists also conducted 18 trainings camps for 2316 farmers of these villages. Scientist's literature developed on various aspects also provided to 3817 farmers. Scientists also provided 623 advisories to farmers of these villages. Awareness among 4149 farmers were also created about various technologies, schemes, swachhata Abhiyan, crop insurance, etc by scientists of IIWBR.

**Table 22: Activities organised by IIWBR Karnal under MGMG**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	183	4612
2.	Interface meeting/ <i>goshthies</i>	51	1509
3.	Training organized	18	2316
4.	Demonstrations (ha)	23.5	105
5.	Mobile based advisories	161	623
6.	Literature support provided	32	3817
7.	Awareness created	37	4149
8.	Linkages developed with other agencies	12	1502

Table 23 clearly showed that scientists also provided quality seeds for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, IIWBR provided more than 200 quintals seeds to 90 farmers.

**Table 23: Input support provided**

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for Seeds	209.81	90

**10. ICAR–National Bureau of Animal Genetic Resources (NBAGR), Karnal****No. of teams formed**

NBAGR has formed only three multi-disciplinary teams of 27 scientists.

**No. of villages selected**

Each team has selected five villages and a total of 15 villages were selected by NBAGR. The selected villages spread over three development blocks of Karnal district of Haryana state. Bench mark survey was completed in all 15 villages during 2016-17.

**Table 24 : 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 Village)
3	27	15	3	1	15

**Activities Undertaken**

Teams of NBAGR scientists has organised seven visits to their respective selected villages and contacted 178 farmers. The teams also organised four Interface meetings/Goshthies in which 143 farmers were benefitted. Scientific literature developed various aspects also provided to 98 farmers. Awareness about Swachh Bharat Mission and water conservation was also created amongst 149 farmers.

**Table 25: Activities organised by NBAGR under MGMG during 2015-16**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	26	1684
2.	Interface meeting/ <i>goshthies</i>	24	958
3.	Mobile based advisories	14	1485
4.	Literature support provided	5	324
5.	Awareness created	7	1919
6.	Linkages developed with other agencies	4	1293

It is depicted in Table 26 that scientists also provided quality seeds for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, NBAGR provided 50 quintals seeds to 100 farmers.

**Table 26: Input support provided**

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for seeds	50	100



### 11. ICAR – National Dairy Research Institute (NDRI), Karnal

#### No. of teams formed

NDRI has formed 29 multi-disciplinary teams of 118 scientists.

#### No. of villages selected

Each team has selected five villages and a total of 145 villages were selected by NDRI. The selected villages cover Karnal district of Haryana state.

**Table 27: 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 Village)
29	118	145	-	2	145

Teams of CPRI scientists has organised 36 visits to their respective selected villages and contacted 833 farmers. The teams also conducted 26 Interface meetings/Gosthies in which 390 farmers participated. Demonstrations were laid out on CPRI technologies by the scientists at 410 farmers' field. Scientists provided only one

mobile based advisory to farmers of these villages. Scientific literature developed on various aspects also provided to 405 farmers. Awareness among 1070 farmers was created about purchasing only Indian made items and eco-friendly celebration of festivals by scientists of NDRI.

**Table 28: Activities organised by ICAR-NDRI Karnal**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	36	833
2.	Interface meeting/ <i>Goshthies</i>	26	390
3.	Training organized	52	310
4.	Demonstrations (ha)	-	410
5.	Mobile based advisories	108	220
6.	Literature support provided	4	405
7.	Awareness created	7	1070
8.	Linkages developed with other agencies	8	515

During 2016-17, scientists of NDRI also provided 12 quintals seeds to 403 farmers as presented in Table 29.

**Table 29: Input support provided**

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for seeds	12	403

## **12. ICAR–Central Potato Research Institute (CPRI), Shimla**

### **No. of teams formed**

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

### **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 2016-17.

**Table 30: 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 Village)
7	30	7	1	1	7

**Activities Undertaken**

Teams of CPRI scientists has organised 11 visits to their respective selected villages and contacted 172 farmers. The teams also conducted three Interface meetings/Goshthies in which 79 farmers participated. A total of 0.4 demonstrations were laid out on CPRI technologies by the scientists at 65 farmers' field. Scientists provided only seven mobile based advisory to farmers of these villages. Scientific literature developed on various aspects also provided to 141 farmers. Awareness among 3908 farmers was created about cleanliness, improved potato cultivation practices, soil testing by scientists of CPRI.

**Table 31: Activities organised by CPRI during 2016-17**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	11	172
2.	Interface meeting/ <i>Goshthies</i>	3	79
3.	Training organized	1	15
4.	Demonstrations (ha)	0.4	65
5.	Mobile based advisories	7	250
6.	Literature support provided	5	141
7.	Awareness created	7	3908
8.	Linkages developed with other agencies	3	250

During 2016-17, CPRI scientists also provided 10 quintals seeds to 20 farmers critical input for conducting demonstrations.

**Table 32: Input support provided**

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for seeds	10	20





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

#### No. of teams formed

DMR has formed two multidisciplinary teams of 10 scientists. Both teams consist of 4 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.

**Table 33: 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 Village)
2	10	12	1	1	12

#### Activities Undertaken

Teams of DMR scientists has organised 23 visits to their respective selected villages and contacted 402 farmers. The teams also conducted 12 Interface meetings/Gosthies in which 440 farmers participated. Demonstrations were laid out on DMR technologies by the

scientists at 26 farmers' field. Scientists provided mobile based advisory to 110 farmers of these villages. Six scientific literature developed on various aspects also provided to 360 farmers Awareness among 161 farmers was created about nursery raising and cultivation of vegetables by scientists of DMR.

**Table 34: Activities organised by DMR during 2016-17**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	23	402
2.	Interface meeting/ <i>goshthies</i>	12	440
3.	Training organized	1	4
4.	Demonstrations	3	26
5.	Mobile based advisories	-	110
6.	Literature support provided	6	360
7.	Awareness created	5	161
8.	Linkages developed with other agencies	2	114



#### **14. ICAR –Central Institute of Temperate Horticulture (CITH), Srinagar**

##### **No. of teams formed**

CITH has formed three multi-disciplinary teams of 12 scientists including one coordinator in each team.

##### **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 three villages was completed during 2016-17.



**Table 35: 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 Village)
3	12	3	3	3	3

**Activities Undertaken**

Teams of CITH scientists have organised 10 visits to their respective selected villages and contacted 78 farmers. There were 3 Interface meetings/Goshthies in which 117 farmers participated. A total of 3 demonstrations were laid out by the scientists at 135 farmers' field. Scientists also organised three training camps to 119 farmers. Scientists also provided 13 agro-advisory services by sending SMSs to farmers and input support provided for an area of 0.13 ha benefitting 13 farmers. Scientist also created awareness among 60 farmers about potential of new apple varieties, training and pruning, pollination management and horticultural crop production and protection.

**Table 36: Activities organised by ICAR-CITH Srinagar under MGMG**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	30	145
2.	Interface meeting/ Goshthies	3	117
3.	Training organized	4	119
4.	Demonstrations (ha)	3	135
5.	Mobile based advisories	13	13
6.	Literature support provided	5	60
7.	Awareness created	1	65
8.	Linkages developed with other agencies	2	-

CITH scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, CITH provided 0.13 quintals seeds to 70 farmers and 3511 no. of planting material to 65 farmers as presented in Table 38.

**Table 37: Input support provided**

S. No.	Name of input	Quantity (No./q)	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, technology		
	i) Seeds (q)	0.13	70
	ii) Planting material (No.)	3511	65



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

#### No. of teams formed

ATARI has formed one multi disciplinary team of four scientists including one coordinator.

#### No. of villages selected

The single team of ATARI scientists has selected two villages of Ludhiana west development block of Ludhiana district. Bench mark survey of two villages was completed during 2016-17.

**Table 38: 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 Village)
1	4	2	1	1	2

#### Activities Undertaken

ATARI team have organised 10 visits to their respective selected villages and contacted 150 farmers. Only five Interface meetings/Gosthies in which 85 farmers participated. A total of 5 demonstrations were laid out by the scientists at 15 farmers' field. Scientists also organised four training camps to 62 farmers. Scientists also provided nine agro-advisory services by sending SMSs to farmers benefitting 112 farmers. Scientist also created awareness among 220 farmers about Swatchhta Abhiyan and paddy straw burning problem.

**Table 39: Activities organised by ICAR-ATARI**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	10	150
2.	Interface meeting/ <i>goshthies</i>	5	85
3.	Training organized	4	62
4.	Demonstrations (ha)	5	15
5.	Mobile based advisories	9	112
6.	Literature support provided	8	220
7.	Awareness created	15	220
8.	Linkages developed with other agencies	2	-

**16. ICAR –Central Institute of Post Harvest Engineering (CIPHET), Ludhiana****No. of teams formed**

CIPHET has formed 9 multidisciplinary teams consisting of 46 scientists including one coordinator.

**No. of villages selected**

The 9 teams of CIPHET scientist have selected 45 villages of from Punjab. Bench mark of all 45 villages was conducted during 2016-17.

**Table 40: 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 Village)
9	46	45	5	3	45

**Activities Undertaken**

Teams of ICAR-CIPHET scientists have organised 9 visits to their respective selected villages and contacted 200 farmers. Ten interface meetings/Gosthies in which 300 farmers participated. Scientists also organised four training camps to 25 farmers. Scientists also provided three agro-advisory services by sending SMSs to farmers benefitting 100 farmers. Scientist also created awareness among 1150 farmers about Swacchata Abhiyan to create hygienic conditions.

**Table 41: Activities organised by ICAR-CIPHET**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	9	200
2.	Interface meeting/ <i>goshthies</i>	10	300
3.	Training organized	5	25
4.	Mobile based advisories	3	100
5.	Literature support provided	1	500
6.	Awareness created	3	1150
7.	Linkages developed with other agencies	3	-



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

**No. of teams formed**

IIMR has formed 7 multidisciplinary teams consisting of 22 scientists including one coordinator in each team.

**No. of villages selected**

The 7 teams of IIMR scientist have selected 24 villages of from Sonipat district of Haryana. No of information is provided on bench mark survey conducted during 2016-17.

**Table 42: 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 Village)
7	22	24	9	6	24

**Activities Undertaken**

Teams of ICAR-IIMR scientists has organised 20 visits to their respective selected villages and contacted 388 farmers. 16 interface meetings/Gosthies in which 430 farmers participated. Scientists also organised 25 demonstrations to 133 farmers. Scientists also provided 30 agro-advisory services by sending SMSs to farmers benefitting 30 farmers.

**Table 43: Activities organised by ICAR-IIMR**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	20	388
2.	Interface meeting/ <i>goshthies</i>	16	430
3.	Demonstrations (ha)	25	133
4.	Mobile based advisories	30	30
5.	Literature support provided	31	1274
6.	Awareness created	15	471
7.	Linkages developed with other agencies	6	601

During 2016-17, IIMR scientists provided 11.6 quintals seeds to 264 farmers as presented in Table 45.

**Table 44: Input support provided**

S. No.	Name of input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for seeds	11.6	264



## 4. University-wise Progress Under MGMG

### 1. Punjab Agricultural University (PAU), Ludhiana

#### No. of teams formed

PAU, Ludhiana has formed 28 teams of scientists comprising 66 scientists including one coordinator in each team.

#### No. of villages selected

Teams of scientists have selected 55 villages, which covers one district of Punjab. Bench mark survey of 57 villages was completed.

**Table 1: Progress of the SAU**

Total No. of Team of Scientists	Total No. of Scientists	Total No. of Villages	Total No. of Blocks	Total No. of Districts	Bench mark survey Conducted (No. of Village)
28	66	55	30	13	57

#### Activities Undertaken

Teams of PAU scientists have organised 762 visits to their respective selected villages and contacted 6824 farmers. The teams also conducted 179 Interface meetings/*Goshthies* in which 3702 farmers participated. Demonstrations were laid out on technologies by the scientists at 3149 farmers' field. Scientists provided 999 mobile based advisory to 4851 farmers of these villages. Scientific literature developed on various aspects also provided to 18798 farmers. Awareness among 13869 farmers was created about seed treatment of paddy, grain storage and rat control by scientists of PAU.

**Table 2: Activities organised by PAU Ludhiana**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	762	6824
2.	Interface meeting/ <i>goshthies</i>	179	3702
3.	Training organized	302	6806
4.	Demonstrations (ha)	533.36	3149
5.	Mobile based advisories	999	4851
6.	Literature support provided	92	18798
7.	Awareness created	110	13869
8.	Linkages developed with other agencies	26	3146



To accelerate the adoption of technologies or good agricultural practices in the adopted villages under MGMG, PAU scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, PAU provided more than 1700 quintals seeds to 3289 farmers, approximately 9500 planting material to 2158 farmers, 512 bags of fertilizers to 386 farmers and others materials benefitting 881 farmers as presented in Table 3.

**Table 3: Input support provided**

S. No.	Name of Input	Quantity (q/No.)	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, Technology		
	i) Seeds (q)	1712.7	3289
	ii) Planting material	9493	2158
	iii) Fertilizer	512	386
	iv) Other input/ material	1276	881



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

### No. of teams formed

GADVASU, Ludhiana has formed three team of scientists comprising 13 scientists including one coordinator in each team.

### No. of villages selected

Three team of scientists have selected 10 villages, which covers one district of Punjab. Bench mark survey of 10 villages was completed.

**Table 4: Progress of the SAU**

Total No. of Team of Scientists	Total No. of Scientists	Total No. of Villages	Total No. of Blocks	Total No. of Districts	Bench mark survey Conducted (No. of Village)
3	13	10	4	2	10

### Activities Undertaken

Teams of GADVASU scientists has organised 109 visits to their respective selected villages and contacted 762 farmers. The teams also conducted 21 Interface meetings/Goshthies in which 371 farmers participated. Demonstrations were laid out on technologies by the scientists at 230 farmers' field. Scientists provided 110 mobile based advisory to 1270 farmers of these villages. 23 scientific literature developed on various aspects also provided to 1801 farmers Awareness among 2879 farmers was created about deworming in dairy animals, mastitis control and management by scientists of GADVASU.

**Table 5: Activities organised by GADVASU Ludhiana**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	109	762
2.	Interface meeting/ <i>goshthies</i>	21	371
3.	Training organized	24	363
4.	Demonstrations (ha)	15.8	230
5.	Mobile based advisories	110	1270
6.	Literature support provided	23	1801
7.	Awareness created	31	2879
8.	Linkages developed with other agencies	19	-

During 2016-17, GADVASU scientists also provided 2.7 quintals seeds to 642 farmers as presented in Table 6.

**Table 6: Input support provided**

S. No.	Name of Input	Quantity (q)	No. of farmers benefitted
1.	Facilitation for seeds	2.7	642

### 3. Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishvavidyala (CSKHPKV), Palampur

#### No. of teams formed

CSK HPKV has formed 14 multidisciplinary teams of 45 scientists. Teams consist of 4-5 scientists including one coordinator.



**No. of villages selected**

These teams of scientists have selected 13 villages, which covers 11 development blocks and eight districts of Himachal Pradesh. Bench mark survey of 13 villages was completed.

**Table 7: Progress of the SAU**

Total No. of Team of Scientists	Total No. of Scientists	Total No. of Villages	Total No. of Blocks	Total No. of Districts	Bench mark survey Conducted (No. of Village)
14	45	13	11	8	13

**Activities Undertaken**

Teams of scientists have has organised 132 visits to their selected villages and contacted 2154 farmers. The teams also conducted 81 Interface meetings/ Gosthies in which 1903 farmers participated. There were 40.5 demonstrations laid out on agricultural technologies by scientists at 653 farmers' field. Scientists conducted 51 training camps for 1462 farmers. Mobile based 84 agro based advisories were sent to farmers of these villages. Scientific literature developed on various farming aspects were given to 1497 farmers. Scientists also created awareness about various agricultural aspects to 2938 farmers.

**Table 8: Activities organised by CSK HPKV, Palampur**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	132	2154
2.	Interface meeting/ <i>goshthies</i>	81	1903
3.	Training organized	51	1462
4.	Demonstrations (ha)	40.5	653
5.	Mobile based advisories	84	1318
6.	Literature support provided	32	1497
7.	Awareness created	20	2938
8.	Linkages developed with other agencies	9	1453

CSKHPKV scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, scientists provided more than 8 quintals seeds to 376 farmers and 174 planting material to 14 farmers as presented in Table 9.

**Table 9: Input support provided**

S. No.	Name of input	Quantity (q/No.)	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, Technology i) Seeds (q) ii) Planting material	8.97 174	376 14



#### **4. 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 100 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 all the 32 teams of scientists. The selected villages cover four development blocks and two district of Himachal Pradesh. Bench mark survey of all selected villages was conducted during 2016-2017.

**Table 10: Progress of the Institute/SAU**

Total No. of Team of Scientists	Total No. of Scientists	Total No. of Villages	Total No. of Blocks	Total No. of Districts	Bench mark survey Conducted (No. of Village)
32	100	32	4	2	32

##### **Activities undertaken**

Teams of scientists of Dr YSP UH&F has organised 96 visits to their respective villages and contacted 1600 farmers. The teams also conducted 96 Interface meetings/Gosthies in which 16000 farmers participated. Scientists also provided 115 mobile based agro advisories to farmers of these villages. Scientific literature developed on various aspects also provided to 1316 farmers. Scientists also created awareness about various agricultural aspects to 1600 farmers.

**Table 11: Activities organised by Dr. YSPUH&F Solan**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	96	1600
2.	Interface meeting/ <i>goshthies</i>	96	1600
3.	Mobile based advisories	115	115
4.	Literature support provided	4	1316
5.	Awareness created	8	1600
6.	Linkages developed with other agencies	1	-

Scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, scientists provided 75 no. of planting material to 8 farmers as presented in Table 12.

**Table 12: Input support provided**

S. No.	Name of Input	Quantity (No.)	No. of farmers benefitted
1.	Facilitation for Planting material	75	8



## **5. 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 all the 3 teams of scientists. The selected villages cover North, Central and South Kashmir. Bench mark survey of all the selected villages was completed during 2016-2017.

**Table 13: Progress of the SAU**

Total No. of Team of Scientists	Total No. of Scientists	Total No. of Villages	Total No. of Blocks	Total No. of Districts	Bench mark survey Conducted (No. of Village)
3	15	15	4	3	15

**Activities undertaken**

Teams of scientists of SKUAST Kashmir have organised 13 visits to their respective villages and contacted 174 farmers. The teams also conducted 7 Interface meetings/Gosthies in which 99 farmers participated. Scientists also provided mobile based agro advisories to 27 farmers of these villages. Scientific literature developed on various aspects also provided to 15 farmers. Scientists also created awareness about various agricultural aspects to 60 farmers.

**Table 14: Activities organised by SKUAST Kashmir**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	13	174
2.	Interface meeting/ <i>gosthies</i>	7	99
3.	Training organized	6	263
4.	Demonstrations (ha)	0.9	27
5.	Mobile based advisories	18	38
6.	Literature support provided	1	15
7.	Awareness created	3	60
8.	Linkages developed with other agencies	2	-

SKUAST-K scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, SKUAST-K provided 4 quintals seeds to 24 farmers and planting material to three farmers as presented in Table 15.

**Table 15: Input support provided**

S. No.	Name of Activity	Quantity (q/No.)	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, Technology		
	i) Seeds (q)	4	24
	ii) Planting material	-	3

## 7. Chaudhary Charan Singh Haryana Agricultural University (CCS HAU), Hisar

### No. of teams formed

CCS HAU has formed 33 multidisciplinary teams of 144 scientists. Each team consists of four scientists including one coordinator.

### No. of villages selected

Each team of scientists has selected five villages and a total of 170 villages were selected all the 33 teams of scientists.

**Table 16: Progress of the Institute**

Total No. of Team of Scientists	Total No. of Scientists	Total No. of Villages	Total No. of Districts	Bench mark survey Conducted (No. of Village)
33	144	170	3	-

### Activities undertaken

Teams of scientists of CCS HAU have organised 611 visits to their respective villages and contacted 14931 farmers. The teams also conducted 185 Interface meetings/Gosthies in which 6351 farmers participated. Scientists also provided mobile based agro advisories to 149213 farmers of these villages. Scientific literature developed on various aspects also provided to 19872 farmers. Scientists also created awareness about various agricultural aspects to 17209 farmers.

**Table 17: Activities organised by CCS HAU Hisar**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	611	14931
2.	Interface meeting/ <i>goshthies</i>	185	6351
3.	Training organized	277	10892
4.	Demonstrations (ha)	740.5	2705
5.	Mobile based advisories	740	149213
6.	Literature support provided	115	19872
7.	Awareness created	142	17209
8.	Linkages developed with other agencies	43	10511

CCSHAU scientists also provided critical inputs for conducting demonstrations at farmers' field besides regular technical advice during farmers-scientist interface. During 2016-17, CCSHAU provided more than 200 quintals seeds to 558 farmers, 175 planting material to

50 farmers, more than 800 bags of fertilizers to 256 farmers and others materials benefitting 161 farmers as presented in Table 18.

**Table 18: Input support provided**

S. No.	Name of Activity	Quantity (q)/No.	No. of farmers benefitted
1.	Facilitation for new varieties, seeds, technology		
	i) Seeds (q)	217.75	558
	ii) Planting material	175	50
	iii) Fertilizer (bag)	872	256
	iv) Any other	25	161



## 7. Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar

### No. of teams formed

LUVAS, Hisar has formed 4 multidisciplinary teams of 20 scientists. Each team consists of four scientists including one coordinator.

### No. of villages selected

LUVAS, Hisar each team of scientists has selected five villages and a total of 20 villages were selected all the 4 teams of scientists.

**Table 19: Progress of the Institute**

Total No. of Team of Scientists	Total No. of Scientists	Total No. of Villages	Total No. of Blocks	Total No. of Districts	Bench mark survey Conducted (No. of Village)
4	20	20	17	13	20



### Activities undertaken

Teams of scientists of LUVAS, Hisar have organised 127 visits to their respective villages and contacted 5600 farmers. The teams also conducted 61 Interface meetings/Goshthies in which 2756 farmers participated. Scientists also provided mobile based agro advisories to 1497 farmers of these villages. Scientific literature developed on various aspects also provided to 1938 farmers. Scientists also created awareness about various agricultural aspects to 6718 farmers.

**Table 20: Activities organised by LUVAS, Hisar**

S. No.	Name of activity	No. of activities conducted	No. of farmers participated & benefitted
1.	Visit to village by teams	127	5600
2.	Interface meeting/ <i>goshthies</i>	61	2756
3.	Training organized	17	850
4.	Demonstrations	46	2308
5.	Mobile based advisories	29	1497
6.	Literature support provided	19	1938
7.	Awareness created	26	6718
8.	Linkages developed with other agencies	17	4613



## ANNEXURE- I

**List of ICAR Institutes and SAUs along with Nodal officer**

S.No.	Institute/SAU	Name of the Nodal Officer	Contact details
1.	ICAR-IARI & ICAR-IASRI New Delhi	Dr. Indra Mani Mishra Head, Division of Agril. Engineering	09868656885, 011-25842294 maniindra99@gmail.com mgmgari@iari.res.in
2.	ICAR-IASRI New Delhi	Dr. Amrit Kumar Paul Principal Scientist	09818018731 pal@iasri.res.in
3.	ICAR-NBPGR New Delhi	S.K. Malik Principal Scientist	9810444859 skm1909@gmail.com
4.	ICAR-NCIPM New Delhi	Dr R.V.Singh Principal Scientist	9873536477 singhrv@msn.com
5.	ICAR-NIAP New Delhi	Dr. Usha Ahuja Principal scientist	011 25847628 ushaahuja58@gmail.com
6.	ICAR-NRCPB New Delhi	Dr. Sanjay Singh Principal Scientist	09013902774, sanjay_singh777@yahoo.com
7.	ICAR-CIRB Hisar	Dr. Hema Tripathi, Principal Scientist	9410499821 hematripathi1@gmail.com
8.	ICAR-CSSRI Karnal	Dr. Ranjay K. Singh Principal Scientist	01842209432, 9996643037 nomgmg.cssri@icar.gov.in
9.	ICAR-IIWBR Karnal	Dr. Satyavir Singh Principal Scientist	09416195679 satyavirdwr@yahoo.com
10.	ICAR-NBAGR Karnal	Dr. M S Tantia Principal Scientist	9416296105 tantiams@gmail.com
11.	ICAR-NDRI Karnal	Sujeet K. Jha Principal Scientist	9416484391 ipc.email.07@gmail.com
12.	ICAR-NRCE Hisar	Dr Ashok Gupta Pr. Scientist	09416239643 akguptanrce@hotmail.com
13.	ICAR-CPRI Shimla	Dr NK Pandey Head	0177-2623812, 9418276362 nkcpri@gmail.com
14.	ICAR-DMR Solan	Dr Mahantesh Shirur Scientist	9805039392 mahanteshshirur@gmail.com
15.	ICAR-CITH Srinagar	Dr Om Chand Sharma Senior Scientist	9419243119 ommandi@yahoo.co.in
16.	ICAR-CIPHET Ludhiana	Dr. Sandeep Mann Pr. Scientist	9463043396 Sandeep_mann76@yahoo.com
17.	IIMR Ludhiana	Dr Shankar Lal Jat Scientist	9953009711 sliari@gmail.com

S.No.	Institute/SAU	Name of the Nodal Officer	Contact details
18.	ICAR-ATARI Ludhiana	Dr Arvind Kumar Principal Scientist	0161-2401018 zcu1ldh@gmail.com
19.	PAU Ludhiana	Dr. R.S.Sidhu Director of Extension Education	directorext@pau.edu
20.	GADVASU Ludhiana	Dr. Harish Verma Director of Extension Education	09815873929 deegadvasuldh@gmail.com
21.	CCS HAU Hisar	Dr. H.S. Saharan Associate Director (Plant Patho.)	9416924032 Adhort.mgmg@gmail.com
22.	LUVAS Hisar	Dr. R. S. Sheokand Director of Extension Education	94160-61865 rajendersheokand@yahoo.com
23.	CSKHPKV Palampur	Dr.A.K.Chaubey Professor	9418450200 chaubeyberthin@gmail.com
24.	Dr. YSPUH&F Solon	Dr Rajesh Bhalla Professor	9418146887 mgmguhf@gmail.com
25.	SKUAST Kashmir	Prof. Sheikh Muzaffar Ahmad Associate Director Extension	9419038941 nodalofficermgmgskuastk@yahoo.com shkmuzaffar@yahoo.co.in

## ANNEXURE- II

## List of villages selected by ICAR Institutes and SAUs under MGMG

## 1. ICAR-IARI &amp; IASRI, New Delhi

District	Block	Name of Villages
Aligarh	Khair	Rajpur, Fatehpur, Chaman nangla, Kesripur, Ranjeetpur, Rajpur, Fatehpur, Kesaripur, Amargadi, Nagla
Amroha	Gajraula	Bastori, Meerpur, Jhanakpuri, Jalalpur kalan, Mulkata
Baghpat	Khekra	Lahchoda, Bassi, Sunheda, Khyala, Ratol, Noorpur, Sankarod, Masuri, Subhanpur, Mawi kalan
Baghpat	Baraut	Chhacharpur, Gungakheri, Jimana, Hasanpur Jimani, Quasimpurkheri, Jiwana Gulian, Mal mazra, Makhwar, Johri, Angadpur
Bulandsahar	Unchagaon	Sojhna Rani, Kapasani, Thana Gajraula, Rasoolpur, Khandoi
Bulandshahar	Sikandrabad	Sikandrabad, Ramgarh, Dariyapuri, Chandiru, Bilsuri
Bulandshaher	Sikarpur	Jalalpur, Karira, Fatheshpur, Sarava, Hiwoot
Bulandshaher	Khurja	Gothani, Jalalpur, Biranpur, Landona, Salipur
Bulandshahr	Siyana	Waira Firozpur, Ba dhda vazidpur, Beehta, Thal Inayatpur, Kisola
Bulandshahr	Jawan	Nekpur, Jawan, Sahapur, Shreyal, Narmohammadpur
Bulandshahr	Khurja	Samaspur, Sikri, Sikra, Bhogpur, Sikandrapur,
Bulandshahr	B.B.Nagar	Kharkali, Barkayatpur, Dhakouli, Sehra, Bhainsakhur, Dhumera, Hingwara, Ladpur, Dariya Pur, Iklaidi
GB Nagar	Dadri	Rupwas, Amka, Bambawar, Khandera, Dehri Isknar
Ghaziabad	Rajapur	Bhoorgarhi, Piplea, Kusalia, Kanauja, Nahal
Ghaziabad	Muradnagar	Sultanpur, Nabipur, Milak Chakarpur, Sarna, Jalalpur, Khimawati, Milak, Rawali, Gyaspur, Nakepur, Dhindhar, Khurampur, Salemad, Chhajipur, Husain Pur, Kanauja, Chittora, Hinsali, Noorpur, Badka Arifpur
Ghaziabad	Loni	Jawli, Sakalpura, Rajpur, Mehmoodpur, Kotwalpur, Alipur, Mandola, Nahanpur, Abrola, Mirpur
Ghaziabad	Simbhauli	Dattiyana, Navada, Mahamadpur Azampur, Tigri, Madapur
Ghaziabad	Rajapur	Kalugarhi, Kushalya, Nahal, Matiala, Sikroda
Ghaziabad	Dhaulana Hapur	Chhizarsi, Kastala Kashmabad, Doohri, Khairpur Khairabad, Makimpur
Ghaziabad	Modinagar	Mohammadpur, Fatehpur, Sonda, Kadim, Sikhaida, Sultanpur, Abupur, Tibra, Rori, Kadradbad, Garhi, Gudana, Palti, Khanjarpur, Tibra, Bhojpur
Ghaziabad	Hapur	Soodna, Tyala, Atarada, Kailli, Tigri, Marakpur, Peer Nagar, Datiyana, Raipur Mandhaya
Panchsheel Nagar	Rasool	Rasoolpur, Haldipur, Alipur, Balkhanda, Neli
Saharanpur	Nanuta	Jaipur Majara, Jarodapanda, Kishan Pura, Ambehta Mohan, Shimlana
Bhiwani	Ch.Dadri	Bigoa, Bass, Ranila, Achina, Jhinjar,
Bhiwani	Buwani Khera	Buwani, Siwara, Surkhpur, Mithathal, Kungar
Faridabad	Ballabhgarh	Fatehpur Biloch, Ladoli, Jawan, Kakkipur, Panedha, Kheri Gujran, Sarurpur, Nekpur,
Faridabad	Faridabad	Badshahpur, Dadsiya, Riway pur, Palwali, Chirawali
J.P. Nagar	Joya	Raipur Shejudpur, Shahbajpur, Sarkadi, Narangpur, Papsara
Gurgaon	Nazafgarh	Busgeda, Doohatbad, Dharampur, Jahajgarh, Bhoupur
Gurgaon	Farukhnagar	Sampka, Jori, Jatoula, Janaula, Tajnagar, Daboda, Tirpari, Khurrampur, Khadebla, Akupur
Gurgaon	Pataudi	Sanpka, Jori, Jatola, Janola, Tajnagar, Turkapur, Mumtajpur, Lokra, Baspadamka, Bhokharka, Langra, Hasanpur, Baghanki, Kherki, Kalwari, Rathiwas, Dinokhri, Bhudka, Sidhrawali, Kapriwas, Jataula, Jauri, Sampka, Tajnagar, Jamalpur, Noorgarh, Ramnagar, Chhillarki, Hussainka, Gudhana, Mauzabad, Jasat, Dadawas, Inchhapuri, Jatsahpur,
Gurgaon	Sohna	Ghamroj, Garhi Murli, Berka, Raiseena, Hariahera, Aklimpur, Tikli, Gairatpur Baas, Palra, Sakatpur, Lohatki, Abhaipur, Damdama, Rothoj, Kherla

District	Block	Name of Villages
Gurgaon	Manesar	Chandla Dungarwas, Fazalwas, Bahganki, Gwaliar, Panchgaon
Gurgaon	Farukh nagar	Sampka, Tajnagar, Joliyawas, Babra Basipur, Jamalpur
Gurgaon	Chandu	Budera, Kaliabas, Iqbalpur, Makrola
Jhajjar	Beri	Garhi-Siwana, Wajirpur, Dubaldhan -1, Dubaldhan-2, Dubaldhan-3, Achhaej, Pahipur, Chimni, Bisan, Godhari, Dubaldhan, Chimny, Majra, Simana, Bhagpur, Bakra, Dharana, Palra, Jhajgarh, Bhagpur, Majra (B), Majra (D), Siwana, Malikpur, Safipur
Karnal	Gharonda	Panauri, Araipura, Dinger Majra, Gadhi, Kalheri
Mathura	Naujheel	Bhureka, Navali, Jatpura, Tikhu, Marhela
Mathura	Choumuha	Pasauli, Parakhan Gurjar, Mangrauli, Tarauli, Bajna
Mathura	Gobardhan	Rajpur, Rampur, Kachanpur, Hariपुर, Jamuna Bhatta
Meerut	KharKhouda	Kharkhoda, Chandpura, Kaul, Bhadouli, Kharkhari
Meerut	Rohta	Arnawali, Jainpur, Ajampur, Puth, Rohta
Meerut	Daurala	Badkali, Chiroudi, Valeedpur, Ruhasa, Matour,
Meerut	Sardhanaa	Mandura, Chabadihi, Rangla Rathi, Doral, Sirpur
Meerut	Sardhana	Nanu, Ikri, Badam, Kakkepur, Bhuni
Meerut	Jani	Khanpur, Patla, Kishori, Lohadda, Nanu
Mewat	Biwan	Biwan, Palla, Palladi, Sonkh, Kalarपुरi
Mewat	Nuh	Koeri, Barayji, Bai, Gundwas, Untka
Muzaffarnagar	Mallira	Rohan Kalan, Badkhali, Bahedi, Rohan Khud, Mallira
Muzaffarnagar	Baghara	Kutbi, Majra, Dhindavali, Kutba, Mukundpur
Muzaffarnagar	Shahpur	Mukundpur, Titavali, Bhoura Kalan, Bhoura Khurd, Sisauli, Bhadi, Karvada, Barvala, Shimli, Laheda, Kakda, Doodhali, Dhanayan, Nirmana, Sohjani Tangan, Shoran, Goyla, Shahdabbar, Jeewna, Siyajuddi
Muzaffarnagar	Mansurpur	Dinkarpur, Bopada, Khannupur, Dudhaheeri, Sounta
Palwal	Prithla	Khajurka, Ailalpur, Hajalpur, Junnoli, Lalpura,
Palwal	Janouli	Lalpur, Dasant Garh, Chirwadi, Kurada
Palwal	Palu	Mohina, Chyfa, Kulena, Amarpur, Maksudpur
Panipat	Madlaudha	Urlana Khurd, Urlana Kaalan, Nara, Joshi, Dariyapur, Lohari, Kalkha, Sutana, Vaisri, Jatal
Rewari	Rewari	Gindokhar, Kisangarh, Balawas, Rajpura, Boria Kamalpur, Jeetpura, Budhana, Budhani, Fadni, Rojka, Jeewra, Gurawada, Palhawwas, Chand, Ahmadpur, Chandawas, Kaluwas, Kharagwas, Bhudpur, Lakhnaur, Rohdai, Lala, Mastapur, Mohdipur, Tahna Deepalpur, Bamad Fatehpuri, Swaraj Majra, Kalaka, Mandhia Kalan, Molawas, Nimoth, Mandola, Dhani Kolana, Manpura, Jainabad, Mirpur, Janti, Jant, Gokalpur, Kumbhawwas Kosli, Nayagaon, Shyamnagar, Nathera, Jahidpur
Rewari	Kosli	Bohar, Bohar Majra, Kharawar, Chuliyana, Ishmala
Rohtak	Sampla-Kiloi	Sangahera, Nigana, Gudan, Anwal, Jindran, Garhi, Balam, Bhali, Kakrana, Sundana
Rohtak	Mahem	Madina 1, Madina-2, Mokhra -1, Mokhra -2, Girawer, Khark, Bhasi, Gugaheri, Kharenti, Farmana, Chiri, Lakahanmajra-1, Lakahanmajra-2, Chandi, Kathura, Saman 1, Saman 2, Ch Bhaini, Sur. Bhaini, Mat. Bhani
Rohtak	Rohtak	Kansola, Humayun Pur, Bakheta, Morekheri, Kesreheti
Sonepat	Kharkhoda	Barona, Gourad, sohti, Silana,
Sonepat	Rai	Atterna, Manauli, Khurampur, Bhera Bakipur, Pabsara
Sonepat	Ganaur	Rajlu Gadi, Goomad, Panchi, Chatiya, Udesipur, Rajpur, Bhuri, Kami, Kurar, Bhigan, Purkhash, Kalana, Sheikhpura, Dabarpur, Mahra, Rajpur, Rajluk Gadhi, Chhoti Gadi, Bagipur, Bhoori, Khubru, Bhawar, Bajana Khurd, Balli, Naya Bans
Sonepat	Sonepat	Khatkar, Dahisara, Jhundpur, Janti Kala, Jakhauli
Sonepat	Murthal	Bigah, Ladsoli, Hasanpur, Kurar, Dhaturi
Sonepat	Murdana	Dhurana, Kaith, Shahpur, Pardana, Buana Laddu
Sonipat	Sonipat	Jagdishpur, Bainyapu, Husanakalan, Gharibala, Jhorat
Alwar	Neemrana	Beenjpur, Karia, Raghunathpur, Partapur, Ramchandra Pur
Delhi	NW Delhi	Nizampur, Qutabgarh, Tigipur, Palla, Bhaktavarpur, Tajpur kalan
Delhi	Kanjhawala	Sawada, Ghevra, Jaunti, Tatesar, Nizampur

## 2. ICAR-NBPGR

District	Name of block	Name of Villages
Bulandshahr	Sikandrabad	Nayagaon, Gendpur-Sekhpur, Sukhlalpur, Sirodhan, Pilkhanwali
GB Nagar	Achheja Dankaur	Bambawad, Kudikhara, Akilpur, Mahawad, Hasanpur
Jhajjar	Jhajjar	Nuna Majara, Lowa Khurd, Deshalpur, Shahpur, Maharana
Mewat	Nuh	Alduka, Nuh, Kurthla, Dhanduka, Chhachera, Bajarka, Indri, Nuh, Khanpur, Barota, Atta, Kherli Kankar, Ujina , Nuh, Raipuri, Naushera, Babupur, Sangel, Meoli Klan, Nuh, Meoli Khurd, Gehbar, Badoji, Kherla, Palla, Nuh, Palri, Nalhar, Untka, Murad Bas, Gangoli, Khalilpur, Dubalu, Kira, Chhapera, Mallab, Akera, Gohana, Dehana, Birsika, Rethora, Nuh, Barwa, Ghasera, Salaheri, Rewasan
Mewat	Punhana	Gangwani, Punhana, Mamlika, Badli, Niwana, Papra, Mohamdbas, Ferozepur Jhirka, Kherli Khurd, Nawli, Nasirbas, Rngala Rajpur, Otha, Punhana, Sultanpur, Hinganpur, Jarauli, Naharpur, Pinangwan, Punhana, Allahabad, Mundheta, Rehpuwa, Ter
Mewat	Tauru	Gangani, Tauru , Sarai, Bissar Akbarpur, Kherki, Kota Khandeola, Silkho, Tauru, Chharora, Bhajlaka, Chilawali, Saidpur, Padheni, Tauru, Sondh, Chehalka, Chhajupur, Dhulawat, Hasanpur, Tauru, Mohammadpur Ahir, Sabras, Sheikhpur, Deengarheri, Chilla, Tauru, Bawala, Gogjaka, Buraka, Gurnawat
Rewari	Dharuhera	Mau, Dharuhera, Lokri, Lohchab, Said Shahpur, Telpuri, Dhakia, Dharuhera, Malahera, Asadpur, Sunaria, Tatarpur
Sonipat	Sonipat	Palari Khurd, Plarai Kalan, Jajjal, Palada&, Garh Mirakpur
Delhi	Badli	Siraspur

## 3. ICAR-NIAP, New Delhi

District	Name of block	Name of Villages
Mewat	Tauru	Khori, Sonari, Chundika, Kallarपुर
Mewat	Tawadu	Jorasi
Palwal	Palwal	Nangli Pachanki, Rakhota, Jor Khera
Palwal	Hathin	Khokiyaka, Mandori,
Rohtak	Lakhan Majra	Bhagwati Pur Samar Gopal Pur, Khareinti, Gharothi
Rohtak	Rohtak	Samar Gopal Pur, Sunder Pur

## 4. ICAR-NRCPB, New Delhi

District	Name of block	Name of Villages
Bulandshahr	Khurja	Nekpur, Java

## 5. ICAR-CIRB, Hisar

District	Name of block	Name of Villages
Hisar	Hisar-I	Kharkadi, Kharar, Alipur
	Hisar-II	Bandaheri, Budak, Kajla, Basra, Ramgariya, Singhwa
	Narnaund	Mirjapur
Bhiwani	Adampur	Telenwali, Ladawi, Malapur
	Siwani	Naloi
Patiala	Tosham	Kharkhadi, Makhwan, Saral, Laxmanpura, Thilod, Jhanwari
	Patiala	Rajgarh
Hanumangarh	Nabha	Dhingi
	Bhadra	Birani, Dabri, Mehriya, Sherda, Bibipur, Ramgarhiya
Churu	Rajgarh	Gwalisor, Nyagal Badi, Nyagal Chhoti, Bhatod, Bhagela



**6. ICAR-CSSRI, Karnal**

District	Name of block	Name of Villages
Lucknow	Kakori	Sakra
South 24 Parganas	Basanti	Uttar Nikarighata, Dakshin Nakarighata, Chandkhali, Andharia, Joygopalpur
South 24 Parganas	Canning-I	Dakshin Mokamberia, Mothgaran, Dattarchak, Uttar Korakathi, Dakshin Korakathi
Unnao	Hasanganj	Ulrapur
Jind	Pilukhera	Mohammad Khera , Mandi Khurd,
Jind	Alewa	Khanda, Gohiyan, Popra
Jind	Saffidon	Siwanamal New, Siwanamal Old, Bagdu Khurd, Anchra Kalan
Kaithal	Kaithal	Mundri, Geong, Kathwar, Sampli Kheri, Bhaini Majra
Kaithal	Pundri	Sanch, Barsana, Hajwana, Habri, Kheri Sikander
Karnal	Nilokheri	Bir Naraina, Nidana, Kudak Jagir, Bir Dhandari, Parwala, Mohri Jagir, Motia
Karnal	Chirao	Sambhli, Prem khera, Jagir, Behlolpur,
Panipat	Israna	Bhaupur, Ahar, Khalila Majra, Pardana, Jonadhan, Naultha, Shahpur, Karad, pathri
Panipat	Matloda	Nain
Panipat	Madlauda	Alupur
Sonipat	Kathura	Gharwal, Banwasa
Sonipat	Mundlana	Jagsi, Gangana,
Patiala	Bhuner Heri	Yodhpur, Budhmore, Bibipurkhurd, Kharabgargh, Patti Jhungian
Bharuch	Jambusar	Bojadara
Bharuch	Amod	Samni, Tanchha, Keravada
Bharuch	Hansot	Ghodadara

**7. ICAR-IIWBR, Karnal**

District	Name of block	Name of Villages
Shamli	Unn	Vaidkheri, Dokpura, Pawati Khurd, Bibipur, Lakshampura
Kaithal	Pundri	Rasina, Hajwana, Sikender Kheri
Kaithal	Dhand	Jajanpur
Kaithal	Kaithal	Chandana
Karnal	Karnal	Jarauli Khurd, Nabipur, Kharajpur, Mohmadpur, Subhri, Mohay-Ud-Dinpur, Kunjpura, Chundipur, Kalwa Heri, Darar, Rambha, Salaru, Sangoha, Sangohi, Landora, Bara Gaon, Gheer
Karnal	Nilokheri	Majra Roran, Sitamai (Dhiktana), Koer, Mohri, Sagga, Patanpuri, Haibatpur, Bukhapuri, Karsa Dod, Seedpur, Pujam
Karnal	Gharaunda	Furlak, Raipur Jattan, Sataundi, Gagsina, Shekhpura Khalsa
Karnal	Nissing	Pingli, Kheri Naru, Jaani, Bid majra, Chirao
Kurukshetra	Shahabad	Yara, Chhapra, Jandheri
Kurukshetra	Babain	Sanghour , Magoli Jattan
Yamunanagar	Radaur	Bakana, Chhota Baans, Chamrori, Jubal, Palaka
Lahaul & Spiti	Gondhla	Jagla, Dalang, Thorang, Khangsar, Gondhla
Solan	Kunihar	Tanseta, Badog, Nanog, Brahmna, Rajeeena

**8. ICAR-NBAGR, Karnal**

District	Name of block	Name of Villages
Jhajjar	Beri	Malikpur
Karnal	Nising	Bras Khurd, Singra, Nising, Sambhli, Chakda
Karnal	Gharaunda	Phurlak
Karnal	Chidav	Pingli, Narukheri, Dadupur, Sirsi, Chidav
Panipat	Samalkha	Raipur, Shahjanpur, Samalkha

**9. ICAR-NDRI, Karnal**

District	Name of block	Name of Villages
Karnal	Karnal	Amunpur, Baras, Bastali, Gunana, Rasina, Agondh, Bazida Roran, Hathlana, Kuchpura, Manjura, Sagga, Sambhali, Nadana, Prem Khera, Bahlolpur, Dilawara, Suhana, Andhera, Sheikhpura, Dhaakbala Roran Barsat, Kaimla, Faridpur, Dingar Majra, Jamalpur, Gheer, Chorpura, Mughal Majra, Bhaoji, Garhi Birbal, Biana, Badagaon, Nanhera, Kalsaura, Dabkauli Kalan, Sataundi, Furlak, Budhanpur Sikri, Birchpur, Samalkha, Manglora, Dhaakbala, Gujraan, Ranwar, Daya, Naghla, Megha, Newal, Daniyalpur, Kailash, Tikri, Taprana, Chirao, Pingli, Dadupur, Naru Kheri, Budhanpur, Uplana, Panghala, Lalain, Chor Kasra, Jaisinghpura, Jamba, Bhukhapuri, Sanwant, Haibatpur, Gholpura, Rindal, Shahpur, Landora, Makhu Majra, Naghla Roran, Modipur, Kambopura, Pipalwali, Ganjogarhi, Uncha Samana, Sitamai, Koyar, Mohri, Majra Roran, Dhiktana, Mahmudpur, Nali, Nalipur Khurd, Nasirpur, Nasirpur Tila, Gorgarh, Gumto, Dippo, Garhi Gujran, Shekhpura Bangar, Bastara, Kohand, Gudha, Shimla Maulana, Ganjbar, Barana, Bairsal, Bakipur, Unispur, Raipur Roran, Sultanpur, Bhaini Khurd, Bhaini Kalan, Jhanjhari, Uchana, Pingli, Kulwehri, Barauta, Ghoghdpur, Budhakhera, Sikri, Butana, Sandhir, Manak Majra, Amargarh, Katlaheri, Bansa, Peont, Picholia, Gulerpur, Amritpur Kalan, Amritpur Khurd, Kairwali, Kutail, Naghla Farm, Samora, Kamaalpur, Churni, Bibipur Jattan, Kheri Maansingh, Jalmana, Jhabala, Alawala, Thari, Phaphrana, Darar, Kurali, Ramba, Salaru, Sangoha, Padha, Sheikhpura, Tharwa Maajra, Pakka Kheda

**10. ICAR-NRCE, Hisar**

District	Name of block	Name of Villages
Hisar	Hisar-II	Siswala, Aryanagar, Dheeranwas, Neolikalan Khurd, Jakhod Khera, Kajla, Mallapur, Muklan, Deva, Bheria, Kalawas
Hisar	Adampur	Ravalwas, Asrawan
Hisar	Barwala	Rajli
Hisar	Hansi-I	Gurana
Hisar	Hansi	Chennot, Ghiray
Bikaner	Bikaner	Kotari (Bhojanshala), Surdhana Pariharan, Surdhana Chauanan, Gijasar, Himatsar
Bikaner	Bamblu	Pampalsar
Bikaner	Kolayat	Hadla Rawltan, Hadla Bhatiyar

**11. ICAR-CICR-RS, Sirsa**

District	Name of block	Name of Villages
Sirsa	Jhonpra	Jhonpra,
Sirsa	Badaguda	Alika
Sirsa	Sirsa	Nezadela Kalan, Rangari Khera, Begu

**12. ICAR-CPRI, Shimla**

District	Name of block	Name of Villages
Shimla	Theog	Talai, Dhaleu, Bhani, Jethai, Katudi, Chara, Domehar

**13. ICAR-DMR, Solan**

District	Name of block	Name of Villages
Solan	Kandaghat	Anji Sunara, Wakhna, Rawali, Bhodhan, Kashmari, Garoo, Anji, Dharot, Jyon, Lahog (Katal), Pati Chabyar

**14. ICAR-CITH, Srinagar**

District	Name of block	Name of Villages
Anantnag	Dachnipora	Hatigam
Nainital	Dhari	Sunkiya

**15. ICAR-ATARI, Zone-I**

District	Name of block	Name of Villages
Ludhiana	Samrala	Bhorla, Jallanpur

**16. ICAR-CIPHET, Ludhiana**

District	Name of block	Name of Villages
Ludhiana	Sidhwan bet	Jandi, Rasulpur (SP), Buzkar, Raowal, Gorsian Makhan, Kutbelwal Gujjar, Rasulpur, Charh, Nurpur Bet, Rajjowal, Dewatwal, Gahaur, Bains, Jhamat, Ghulal, Neelon kalan, Rohla, Chahalan, Ajloud, Ayali Khurd, Bagga Khurd, Bagga Kalan, Talwara, Jainpur, Humbran, Baran Hara, Malakpur, Ghaunspur, Bhatha Dhua, Bhattian Bet, Issewal, Kanhora, Dakha, Kailpur, Birmi, Salampur, Basmii,

**17. ICAR-IIMR, Ludhiana**

District	Name of block	Name of Villages
Sonepat	Sonepat	Jakhouli, Jhundpur, Jagdishpur,
Sonepat	Kharkhoda	Khurampur
Sonepat	Rai	Pabesara

**18. GADVASU, Ludhiana**

District	Name of block	Name of Villages
Barnala	Tapa	Khudi Khurd, Kothe Chung
Mohali	Kharar	Dulwan Khadri, Badanpui
Tarntaran	Khadur Sahib	Munda Pind
Tarntaran	Tarn Taran	Kahlawan

**19. PAU, Ludhiana**

District	Name of block	Name of Villages
Amritsar	Verka	Dhaul Kalan
Bathinda	Sangat	Kal Jharani
		Bajak
		Bambiha
Faridkot	Faridkot	Bhagthalan
		DHilwan
		Pindi Blochan

District	Name of block	Name of Villages
Faridkot	Kotkapura	Duareana Roamana Albel Singh
Fatehgarh Sahib	Sirhind	Pandrali
Fatehgarh Sahib	Srihind	Attapur
Fatehgarh Sahib	Srihind	Panjoli kalan
Fatehgarh Sahib	Srihind	Badaushi kalan
Fatehgarh Sahib	Srihind	Chaurwala
Ferozepur	Ghall Khurd	Karmoowala Changali Jadid Dheera Patra
	Ferozepur	Wahka Mour Gammewala
Gurdaspur	Kalanaur	Bhangwan
	Dhariwal	Chinna Railwala
	Dhariwal	Kotla Chahal
	Gurdaspur	Mattam
	Kalanaur	Mastkot
	Dinanagar	Talibpur Pandori
	Dinanagar	Hardo Bathwala
Hoshiarpur	Garhshankar	Jhonowal
Jalandhar	Phillaur	Ganna
Jalandhar	Jalandhar East	Dheena
Jalandhar		Dhandewal
Jalandhar	Shahkot	Parjian Kalan
Jalandhar	Shahkot	Parjian Khurd
Kapurthala	Sultanpur	Boolpur, Swal, Meripur
	Kapurthala	Bhagwanpur
	Dhilwan	Miani Bakarpur
Ludhiana	Ludhiana-II	Issewal
Ludhiana	Samrala	Bhagwanpura
Ludhiana	Samrala	Diwala
Ludhiana	Samrala	Gharkhana
Ludhiana	Samrala	Gosalan
Ludhiana	Machhiwara	Powat
Mansa	Sardulghar	Karandi
Mansa	Sardulgarh	Jhanda khurd
Mansa	Mansa	Burj Dhilwan
Mansa	Mansa	Makha
Mansa	Mansa	Khiala kalan
Muktsar	Malout	RattaKhera,
	Lambi	Maan,
	Giddarbaha	Gurri sangar,
	Giddarbaha	Chattiana,
	Muktsar	Goneana
Moga	Dharmkot	Fatehgarh Korotana
Moga	Moga-1	Kokri Kalan
Moga	Moga-1	Purane Wala
Moga	Moga-1	Jhandewala
Moga	Moga-2	Nidhanwala
Moga	Moga-2	Saffuwala
Ropar	Chamkaur Sahib	Mahlan
Ropar	Ropar	Bhaini
Ropar	Ropar	Chaunta

District	Name of block	Name of Villages
Ropar	Ropar	Bhaowal
Ropar	Ropar	Jhallian
Patiala	Samana	Marori
Sangrur	Sunam	Chatha Nanhera
	Sunam	Taranji Khera
	Sunam	Bigharwal
	Sangrur	Kular Khurd
	Sangrur	Kanoi
SBS Nagar	Nawanshahr	Khatkar kalan

#### 20. CCSHAU, Hisar

District	Name of block	Name of Villages
Bhiwani	Badra	Dhanasri
Bhiwani	Bhiwani	Gujrani
Bhiwani	Dadri	Ranila
Bhiwani	Bawani	Siwada
Bhiwani	Khera Behal	Surpura kalan
Faridabad	Faridabad	Badarpur Said
Fatehabad	Bhattoo	Kirdhan
Fatehabad	Fatehabad	Dharnia
Fatehabad	Jakhal	Gullerwala
Fatehabad	Ratia	Sehnal
Fatehabad	Tohana	Phoolan
Hisar	Hisar II	Chirod, Mujahdpur
Hisar	Hisar I	Chikanwas
Hisar	Adampur Mandi	Tokas, Talwandi
Hisar	Uklann	Chuli Bagrian, Mahobatpur Dhani, Prabhuwala
Jhajjar	Beri	Baghpur
Jhajjar	Jhajjar	Jahangirpur
Jhajjar	Matenhail	Surajgarh
Jind	Jind	Intal, Sangatpura, Pandu Pindara,
Jind	Julana	Julana
Jind	Pillukhera	Dhatrath
Kaithal	Kalayat	Guhna, Kelram, Patti Koth, Devigarh, Peoda
Kurukshetra	Ladwa Thanesar	Mehra, Govindmajra
Mohindergarh	Ateli	Ratta Kalan
Mohindergarh	Mohindergarh	Nanagwas, Bawana
Mohindergarh	Sihma	Mundia Khera
Palwal	Hathin	Kondal
Panipat	Bapoli	Jalalpur
Panipat	Sanoli	Tamashabad
Panipat	Matlauda	Shera
Panipat	Ishrana	Kaith
Panipat	Panipat	Nizampur
Panipat	Samalkha	Jorasi
Rewari	Bawal	Shahpur

District	Name of block	Name of Villages
Rohtak	Rohtak	Garhi Bohar
Rohtak	Meham	Bainsi
Rohtak	Rohtak	Samargopalpur, Humayunpur
Sirsa	Bada- Gudha	Mallewala
Sirsa	Sirsa	Farwai Khurd, Panihari, Darbi
Sirsa	Rania	Kharia
Sonipat	Kharkhoda	Rohat
Sonipat	Murthal	Tikola
Sonipat	Gohana	Kheri Damkan, Puthi
Sonipat	Ganaur	Moi
Yamunanagar	Radaur	Bakana, Bubka, Allahar, Barheri, Fatehpur
Yamunanagar	Jagadhri	Kharwan Khadri

#### 21. LUVAS, Hisar

District	Name of block	Name of Villages
Ambala	Ambala	Bhurangpur, Sonta
Bhiwani	Bhiwani	Kaunt
Gurgaon	Farukhnagar	Khawaspur
Gurgaon	Gurgaon	Chandu
Hisar	Hansi	Mamanpura, Dhana Khurd
Jhajjar	Beri	Wajirpur
Jind	Alewa	Badhana
Kaithal	Kalayath	Kheri Lamba
Karnal	Gharaunda	Phurlak
Mahendergarh	Kanina	Bharaf
Palwal	Palwal	Gailpur
Rewari	Rewari	Majra Gurdaspur
Rohtak	Kalanaur	Bhali, Patwapur
Rohtak	Sampa	Nonand
Sirsa	Nathusari Chaupta	Nathusari
Sirsa	Sirsa	Bakrianwali
Sirsa	Odhan	Mathdadu

#### 22. CCKHPKV, Palampur

District	Name of block	Name of Villages
Bilaspur	Jhandutta	Bala
Hamirpur	Bhoranj	Jhinkari
Kangra	Panchrukhi	Sagor
Kangra	Nagrota Surian	Bagga
Kullu	Kullu	Chhoyal Gaduari Jia
Mandi	Karsog	Gothra
Mandi	Gohar	Gharot
Mandi	Sundernagar	Bhanwar, Phagla
Sirmour	Pacchad	Panwa
Una	Una	Fatehpur



**23. Dr. YSPUH&F, Solan**

District	Name of block	Name of Villages
Sirmour	Pachhad	Darodevria, Mangarh, Nainatikker, Darabli, Kotlapanjola, Chamenji, Narag, Dilman, Wasni
Sirmour Solan	Rajgarh Solan	Karganoo Barog, Dharot, Jaunajee, Parag, Kothon, Shamti, Chewa, Saproon, Bharti, Basal, Seri, Mashiwar, Serbanera, Sanhol, Nauni majhgaon, Top kiber, Dhangri, Dharampur, Shamrod, Salogra, Oachghat
Solan	Dharampur	Garkhalsanawar

**24. SKUAST, Srinagar**

District	Name of block	Name of Villages
Anantnang	Doru Shahbad	Larkipora, Bragam
Anantnang	Kokemag	Sagam
Baramulla	Raflabad	Behrampora, Drusoo, Malgonipora, Watergam
Baramulla	Baramulla	Kreri, Marazigund
Pulwama	Pulwama	Batpora,
Shopian	Shupiyan	Nowpora
Srinagar	Srinagar	Burzahama, Tailbal, Chatterhama, Gasoo

## ANNEXURE- III

**List of demonstrations conducted under MGMT****ICAR Institutes**

S.No.	Name of Institutes	List of demonstrations conducted
1.	IARI and IASRI, New Delhi	<ul style="list-style-type: none"> <li>• Demonstration on varieties of paddy</li> <li>• Demonstration on varieties of Mustard</li> <li>• Varietal demonstration on wheat</li> <li>• Demonstration on vegetables (For kitchen gardening)</li> <li>• Demonstration on different biofertilizers</li> </ul>
2.	ICAR -NCIPM, New Delhi	<ul style="list-style-type: none"> <li>• IPM components</li> </ul>
3.	ICAR -NIAP, New Delhi	<ul style="list-style-type: none"> <li>• Demonstration for soil and water sampling</li> </ul>
4.	ICAR -NRCPB, New Delhi	<ul style="list-style-type: none"> <li>• Demonstration on variety of Mustard (Pusa Jai Kishan)</li> <li>• Demonstration on varieties of Paddy (Pusa 1460 &amp; Pusa 1612)</li> </ul>
5.	ICAR -CIRB, Hisar	<ul style="list-style-type: none"> <li>• Demonstrations on Silage making</li> <li>• Preparation of balanced feed</li> <li>• Preparation of Mineral Mixture</li> <li>• Clean milk production</li> <li>• Milk testing process</li> <li>• Demonstration of new varieties</li> <li>• Cord removal and colostrum feeding and precaution in placenta disposal</li> <li>• Murrah phenotype characteristics identification in relation to productivity of the animals</li> <li>• Use of institute web-site by farmers for making buffalo related queries and giving feedback to scientists using interactive platform, developed under ICT initiatives to communicate with scientists in a group of participants</li> </ul>
6.	ICAR -CSSRI, Karnal	<ul style="list-style-type: none"> <li>• Performance of salt tolerant variety of wheat</li> <li>• Evaluation of linseed varieties in sodic soils</li> <li>• Evaluation of salt tolerance varieties of mustard in sodic soils</li> <li>• Optimum plant population in rice under saline environment</li> <li>• Sustainable use of RSC water in agriculture</li> </ul>
7.	ICAR -IIWBR, Karnal	<ul style="list-style-type: none"> <li>• Mini Kit of Wheat variety DBW 88</li> <li>• Wheat seeding in Sugarcane ratoon</li> <li>• Green gram seeded in Sugarcane ratoons</li> </ul>
8.	ICAR -NDRI, Karnal	<ul style="list-style-type: none"> <li>• Demonstration on California mastitis kit</li> <li>• Demonstration on Cream separator and Lassi-maker</li> </ul>
9.	ICAR -NRCE, Hisar	<ul style="list-style-type: none"> <li>• Demonstration about animal health practices for different livestock species (Vaccination, deworming, breeding, infertility, balanced ration and AI)</li> <li>• Visited sheep and goat flocks, informed about health and management practices like vaccination, deworming, breeding, infertility, balanced ration and AI. Identified clinical cases of Capripox and PPR in four flocks of sheep and goats.</li> <li>• Farmers were apprised about the techniques to check the quality of seeds and capacity building for seed production.</li> <li>• Care and management of pregnant animals</li> <li>• Artificial insemination in livestock and benefits</li> <li>• First aid of the sick animals</li> <li>• Carried out cleanliness drive in the Hadla bhatiyon village and encouraged them to maintain it regularly.</li> </ul>

S.No.	Name of Institutes	List of demonstrations conducted
10.	ICAR -CPRI, Shimla	<ul style="list-style-type: none"> <li>• Provided Pledge for swacchata.</li> <li>• Explained the procedure of soil sampling for soil health card</li> <li>• Explained the procedure for spraying urea and fertilizers</li> <li>• Identification of true to breed Marwari horses</li> <li>• Identification of cows in distress during bloat and primary treatment</li> <li>• Microscopic demonstration of bacteria to students of school and lecture</li> <li>• Late blight management in potato</li> <li>• Demonstration on varieties of Potato (Kufri Himalini &amp; Kufri Girdhari)</li> <li>• Demonstration on Drip Irrigation</li> <li>• Demonstration on Tissue culture</li> <li>• Demonstration on harvesting of Potato</li> </ul>
11.	ICAR -DMR, Solan	<ul style="list-style-type: none"> <li>• Demonstration on Vermicomposting</li> <li>• On farm Trial on short duration cultivation technology of Shitake mushrooms</li> </ul>
12.	ICAR -CITH Srinagar	<ul style="list-style-type: none"> <li>• Cultivation of <i>Pleurotus eryngi</i> and <i>Agaricus</i> sp.</li> <li>• Demonstration on high yielding varieties of temperate Fruit crops</li> </ul>
13.	IIMR, Ludhiana	<ul style="list-style-type: none"> <li>• Demonstration on high yielding varieties of vegetable crops</li> <li>• Demonstration on Specialty corn based cropping system</li> </ul>
14.	ICAR -ATARI, Ludhiana	<ul style="list-style-type: none"> <li>• Demonstration on Hybrid maize</li> <li>• Demonstration on How to use battery operated knapsack sprayer?</li> <li>• Demonstration on Early Sugarcane variety</li> <li>• FLD on Summer Moong (SML 668)</li> <li>• FLD on Gobhi Sarsoan (GSC 7)</li> <li>• Demonstrations on DSR</li> <li>• Demonstration on Rabi Onion seed production (Punjab Naroya)</li> <li>• Use of fruit fly trap</li> <li>• Paddy straw management through use of Happy Seeder for wheat sowing</li> <li>• Demonstration on Paddy Straw Management through use of paddy straw chopper</li> </ul>

#### State Agricultural Universities (SAUs)

S.No.	Name of SAU	List of demonstrations conducted
1.	PAU, Ludhiana	<ul style="list-style-type: none"> <li>• Demonstrations on cultivation of Summer Moong</li> <li>• Methods of drawing soil samples</li> <li>• Seed treatment in Basmati paddy</li> <li>• Improved methods of cultivation of Gobhi Sarson</li> <li>• Scientific methods of cultivation of chickpea</li> <li>• Demonstrations on Groundnut (TG 37 A)</li> <li>• High yielding variety of Sesame (HT 1)</li> <li>• Installation of fruit fly traps</li> <li>• Demonstration on use of Biofertilizer</li> <li>• Demonstration on newly recommended variety of wheat</li> <li>• Urea application by following Leaf Colour Chart</li> <li>• FLDs on Direct Seeded Rice (DSR)</li> <li>• Popularisation of solar cooker for Fuel and Energy Conservation</li> <li>• Demonstrations on solar dryer</li> <li>• Demonstration on HYV variety of paddy (PR 125)</li> <li>• Wheat sowing by following Happy Seeder</li> </ul>

S.No.	Name of SAU	List of demonstrations conducted
2.	GADVASU, Ludhiana	<ul style="list-style-type: none"> <li>• Frontline Demonstrations on Mushroom</li> <li>• Backyard nutrition gardening</li> <li>• Cultivation of recommended onion variety (Punjab Naroya)</li> <li>• Demonstrations on High Yielding Variety of chilly (CH 27)</li> <li>• Scientific cultivation of bottle gourd</li> <li>• Cultivation of recommended turmeric variety (Punjabi Haldi 1)</li> <li>• Frontline Demonstrations on marigold</li> <li>• Cultivation of recommended Summer Mash variety (Mash 1008)</li> <li>• Demonstrations on Lentil (LL 699)</li> <li>• Cultivation of Linseed (LC 2063)</li> <li>• Demonstration on Sunhemp for green manuring</li> <li>• Management of maize borer in fodder maize</li> <li>• Effect of feeding area specific mineral mixture to dairy animals on their milk yield and reproductive health</li> <li>• Sowing of wheat with happy seeder</li> <li>• Demonstrations on soybean</li> <li>• Demonstration on Pea (Matar Ageta 7)</li> <li>• Demonstration on Carrot (Punjab Black Beauty)</li> <li>• Preparation of <i>ghia roll</i> and <i>channa gur</i></li> <li>• Preparation of tomato chutney &amp; sauce</li> <li>• Cutting &amp; stitching of pant style pyjama</li> <li>• Block printing on bed sheets</li> <li>• Demonstrations on <i>Baramasi Nimbu</i></li> <li>• Demonstrations on Guava cultivation</li> <li>• Frontline Demonstrations on HYV of Arhar</li> <li>• Demonstrations control of gram pod borer</li> <li>• Upgradation of low grade roughage</li> <li>• Demonstrations on processing of fruits and vegetables</li> <li>• Use of improved tools for reducing drudgery of farm women</li> <li>• Planting of agro-forestry plants</li> <li>• Use of UMMB in dairy animals</li> <li>• Frontline Demonstrations on protective gloves for okra pluckers</li> <li>• Plantation of shady trees</li> <li>• Demonstrations on Nursery raising of vegetables</li> <li>• Demonstrations on Soil Sampling techniques</li> <li>• Feed formulations to prepare animal feed at home</li> <li>• FLDs on wheat seed treatment with consortium</li> <li>• Frontline Demonstrations on Goat manger</li> <li>• Carp fish culture &amp; conservation of aquatic resources</li> <li>• Fish processing and cooked products</li> <li>• Water quality management in fish pond</li> <li>• FLDs on Insect Pest &amp; Disease Management in Sesame</li> <li>• Top borer management by green chemistry pesticide in sugarcane</li> <li>• FLDs on Pumpkin (Punjab Samrat) and Muskmelon (Punjab Sunehri)</li> </ul>
3.	CCS HAU, Hisar	<ul style="list-style-type: none"> <li>• Demonstration on Spray techniques</li> <li>• Fabric enrichment techniques</li> <li>• Use of capron for wheat harvesting for drudgery reduction</li> <li>• Demonstration on Kitchen Gardening</li> <li>• Termite management in Wheat and Barley</li> <li>• Combined effect of carbendazim and glyphosate on stem rot and orobanche management in mustard</li> <li>• Parawilt management in cotton</li> </ul>

S.No.	Name of SAU	List of demonstrations conducted
		<ul style="list-style-type: none"> <li>• Demonstration of saline tolerant variety of wheat (KRL 210)</li> <li>• Demonstration of saline tolerant variety of wheat (KRL 213)</li> <li>• Demonstration of high yielding new variety of wheat (HD 3086)</li> <li>• Demonstration of high yielding new variety of wheat (WH 1124)</li> <li>• High yielding and stripe disease resistant cultivars of barley</li> <li>• Comparison of wheat cv. WH 1105 and WH 1184</li> <li>• Rural health care (Demonstration on Janta Water filter)</li> <li>• Demonstration on method of control of insect-pest in trees.</li> <li>• Demonstration on cotton bag for picking of okra</li> <li>• Demonstration of method of Vermicompost preparation</li> <li>• Demonstration of method of FYM preparation</li> <li>• Removal of unwanted shoots in guava</li> <li>• Digging &amp; filling of pits for plantation</li> <li>• Stain removing &amp; maintenance of clothes</li> <li>• Foliar spray of fertilizers in horticultural Crops</li> <li>• Wheat sowing by using zero tillage method</li> <li>• Weed management in wheat crop</li> <li>• Demonstration on spray techniques for management of disease</li> <li>• Method of making Detergent</li> <li>• Rouging in wheat crop</li> <li>• Method of Tieing &amp; dying of clothes</li> <li>• Method of sowing of Cotton</li> <li>• Method of taking soil and water samples</li> <li>• Comparison of Paddy transplanting and DSR technique in Rice</li> <li>• Seed treatment in Paddy, Raya, Wheat and Ginger</li> <li>• Demonstration on new variety of Paddy</li> <li>• Demonstration on new variety of Sorghum</li> <li>• Method of Sett Treatment in Sugarcane</li> <li>• Preparation of Mushroom Pickle</li> <li>• Oral rehydration</li> <li>• Preparation of Syrup and Squashes during summer</li> <li>• Weed management in crops</li> <li>• Enhancing productivity of Sesame by adoption of improved practices</li> <li>• Enhancing productivity of Greengram by adoption of improved practices</li> <li>• ICM of Mustard</li> <li>• ICM of Chickpea by adoption of improved practices</li> <li>• Enhancing productivity of Cluster bean by management of BLB</li> <li>• FLD on high yielding variety of Wheat (WH 1105)</li> <li>• FLD on high yielding variety of Summer moong (MH 421)</li> <li>• FLD on Application of biofertilizer in Wheat</li> </ul>
4.	LUVAS, Hisar	<ul style="list-style-type: none"> <li>• Hay and silage making</li> <li>• Balanced ration effect on production and reproduction in dairy animals</li> <li>• Clean and proper method of milking</li> <li>• Ectoparasitic and endoparasitic control in dairy animals</li> </ul>
5.	CSKHPKV, Palampur	<ul style="list-style-type: none"> <li>• Cultivation of mid season cauliflower as an off season vegetable crop</li> <li>• Healthy nursery raising of high value crops, winter season crops, summery season crops</li> <li>• Improved cultivation of Garden Pea</li> <li>• FLD on variety of Black gram (Him Mash 1)</li> <li>• FLD on variety of Black gram (Bhawani)</li> <li>• OFT on Management of web blight and hairy caterpillar in Mash</li> <li>• Use of Lamda cyhalothrin for control of insects</li> </ul>

S.No.	Name of SAU	List of demonstrations conducted
6.	SKUAST, Kashmir	<ul style="list-style-type: none"> <li>• Use of Monocrotophos in crops</li> <li>• FLD on variety of Wheat (HPW 236)</li> <li>• Demonstration of improved variety of Tomato</li> <li>• Demonstration of Late sown improved variety of Cauliflower</li> <li>• Demonstration on improved variety of Chickpea (HC 5)</li> <li>• Demonstration on high yielding variety of Wheat (VL 907)</li> <li>• Demonstration on Improved variety of Onion (Punjab Naroya)</li> <li>• Demonstration on improved variety of Okra (Palam Komal)</li> <li>• Use of Pheromone Traps</li> <li>• CFLD on blackgram andGobhi sarson</li> <li>• FLD on Soyabean, Til, Cowpea, Gobhi Sasrson, Wheat, Maize, Spinach, Chick pea, Brown sarson and Paddy</li> <li>• FLD on use of Mineral Mixture in animal feed</li> <li>• Demonstration on preparation of Pear, Jam and Mango Chutney</li> <li>• FLD on variety of Chick pea (HPG 17)</li> <li>• FLD on UMMB for milch animals</li> <li>• Demonstration on African tall variety of maize for fodder</li> <li>• Demonstration on use ofAzolla Biofertilizer in crops</li> <li>• Demonstration on propagation of Napier Bajra using root slips</li> <li>• Method demonstration on value addition of milk, seasonal vegetables</li> <li>• Demonstration on drudgery reducing farm implements to farm women</li> <li>• Demonstration on Azolla production –An alternative source of fodder</li> <li>• Demonstration on new variety of Pea (PB89)</li> <li>• Demonstration on high yielding variety of Oats (Palampur 1) to augment fodder availability</li> <li>• Revival of aromatic high value local land race of Rice (<i>Mushkbudji</i>)</li> <li>• Revival of aromatic high value local land race of Rice (<i>Kamad</i>)</li> <li>• Modified system of rice intensification (SRI)</li> </ul>



## ANNEXURE- IV

## Areas of training organized under MGMG

## ICAR Institutes

S.No.	Institute	Area of training conducted
1.	IARI and IASRI, New Delhi	<ul style="list-style-type: none"> <li>• Method of Bio-fertilisers application</li> <li>• Low cost farm implements</li> <li>• Improved techniques of training and pruning of fruit plants</li> <li>• Soil sample collection techniques</li> </ul>
2.	ICAR-NCIPM, New Delhi	<ul style="list-style-type: none"> <li>• Safe use of pesticides</li> <li>• IPM components</li> </ul>
3.	ICAR-NRCPB, New Delhi	<ul style="list-style-type: none"> <li>• Seed production of Paddy and Mustard crop</li> </ul>
4.	ICAR-CIRB, Hisar	<ul style="list-style-type: none"> <li>• Improved buffalo farming</li> <li>• Nutritional &amp; management practices for buffalo husbandry</li> </ul>
5.	ICAR-CSSRI, Karnal	<ul style="list-style-type: none"> <li>• Farmer's capacity building programme : Advancing farmers challenges in Direct Seeded Rice under salt affected agro-ecosystem</li> <li>• Scientific management of dairy for higher productivity</li> <li>• Sustainable management of salt affected soils and poor quality waters</li> <li>• Protected cultivation of vegetables and resource management</li> <li>• Crop Insurance digitized economy</li> </ul>
6.	ICAR-IIWBR, Karnal	<ul style="list-style-type: none"> <li>• Anaaj Ka Surakshit Bhandaraan</li> <li>• Gehoon-Dhaan Fasal Chakra Mein Subji Faslon Ka Utpaadan</li> <li>• Climate Smart Farming</li> <li>• Conservation agriculture</li> <li>• Recent wheat production technologies</li> <li>• Relay cropping of wheat and barley in cotton</li> <li>• Intercropping in sugarcane</li> <li>• Weed management in rabi and kharif crops.</li> <li>• Spray technology</li> <li>• Herbicide spray technology</li> </ul>
7.	ICAR-NRCE, Hisar	<ul style="list-style-type: none"> <li>• Information regarding seed technology was disseminated</li> <li>• Vermicomposting</li> </ul>
8.	ICAR-CPRI, Shimla	<ul style="list-style-type: none"> <li>• Scientific methods of potato cultivation</li> </ul>
9.	ICAR-DMR Solan	<ul style="list-style-type: none"> <li>• Mushroom Production Technology for Small and Marginal farmers</li> </ul>
10.	ICAR-CIPHET, Ludhiana	<ul style="list-style-type: none"> <li>• Groundnut milk processing</li> <li>• Aonla processing</li> <li>• Turmeric processing</li> <li>• Processing of pulses</li> <li>• Honey processing</li> </ul>
11.	ICAR -ATARI, Ludhiana	<ul style="list-style-type: none"> <li>• Seed production of <i>Rabi</i> onion</li> <li>• Techniques of soil sampling &amp; Interpretation of soil test reports</li> <li>• Safe storage of food grains, fruits &amp; vegetables at household level</li> <li>• Promotion of Direct Seeded Rice for resource conservation</li> </ul>

State Agriculture University (SAUs)

S. No	Name of SAU	Area of training conducted
1.	PAU, Ludhiana	<ul style="list-style-type: none"> <li>• Importance of soil testing and methods of taking soil samples</li> <li>• Importance of FYM and Green manure in improving soil health</li> <li>• Establishment of Fruit nutrition/kitchen garden</li> <li>• Nursery raising and seed treatment in Paddy and Basmati</li> <li>• Management of Paddy straw by using happy seeder and production of biogas</li> <li>• Diversification option under changing climatic scenario</li> <li>• Use of mineral mixture to enhance fertility and milk yield in dairy animals</li> <li>• Machineries for seed bed preparation, DSR and spraying</li> <li>• Planning and lay out for planting forest trees</li> <li>• Care of animals during winter and summer</li> <li>• Importance and usage of LCC for judicious use of urea</li> <li>• How to prepare quality compost</li> <li>• Solar Energy for house hold use by using solar cooker and solar dryer</li> <li>• Value addition through sprouting</li> <li>• Direct seed rice and Rice straw management for soil health improvement</li> <li>• Quality seed production in Rabi crops</li> <li>• Importance of soil and water testing</li> <li>• Improved methods for higher irrigation water use efficiency</li> <li>• Hybrid seed production of sunflower</li> <li>• Seed production of wheat, forage crops and seed certification</li> <li>• Training on improved cultural practices for rabi crops</li> <li>• Safe food Grain Storage</li> <li>• Importance of Sprouts and Preparation of Nutritional and festival Snacks</li> <li>• Diet Planning for Women, Children and Elderly</li> <li>• Training on Latest Trends in Fashion Designing and Garment Construction</li> <li>• Training on Preservation of Fruits and Vegetables</li> <li>• Control of insect pests and diseases of <i>rabi</i> crops and safe use of pesticides</li> <li>• Training and pruning of guava and <i>ber</i>.</li> <li>• Seed treatment for control of seed borne diseases in <i>kharif</i> crops</li> <li>• Training on Bee Keeping, Mushroom cultivation , Dairy, Goat, and Poultry Farming</li> <li>• Planning and layout of fruit plants</li> <li>• Plant protection measure in <i>kharif</i> crops and safe use of pesticides</li> <li>• Management of insect pests of net house grown crops</li> <li>• Integrated nutrition garden for domestic purpose</li> <li>• Management of fruit trees against the adverse effect of frost</li> <li>• Management of honey bees during winter season</li> <li>• Management of early infection of yellow rust</li> <li>• Early cultivation of cucurbits in polythene/plug trays.</li> <li>• Bulb set raising techniques of <i>kharif</i> onion.</li> <li>• Training on commercial production of flowers</li> <li>• Value addition to milk at household level</li> <li>• Technique of collecting soil and water samples for testing</li> <li>• Production of green fodder round the year.</li> <li>• Use and importance of solar gadgets</li> <li>• Training on adoption of recommended varieties of chilly and pea</li> <li>• Heat stress management in dairy animals</li> <li>• Management of cotton whitefly in alternate crops</li> <li>• Judicious use of fertilizers in basmati</li> <li>• Preservation of garlic in pickle form</li> </ul>

S. No	Name of SAU	Area of training conducted
		<ul style="list-style-type: none"> <li>• Plucking of vegetables wearing protective gloves</li> <li>• Preparation of surf with different methods</li> <li>• Proper management of Citrus fruit plants during rainy season</li> <li>• Rational use of saline and sodic water in irrigation</li> <li>• Control of Endo &amp; Ecto parasites in buffalo, crossbred cattle &amp; calves</li> <li>• Training on organic winter vegetables in kitchen garden</li> <li>• Seed plot technique for potato seed production</li> <li>• Nutritious recipes from sprouted moong and gram</li> <li>• Nursery management of winter vegetable crops(Chilli and Onion)</li> <li>• Training on potato and pea seed treatment against fungal diseases</li> <li>• Improved practices for higher yield of Rapeseed and Mustard</li> <li>• Improved practices for cultivation of gram FLDs</li> <li>• Techniques of Tie &amp; Dye</li> <li>• Management of diseases of Potato</li> <li>• Drudgery reducing devices and technologies for farm women</li> <li>• Management of summer vegetables in kitchen garden</li> <li>• Polyhouse / Net house vegetable cultivation for better profitability</li> <li>• Value addition to fabric through quilting and weaving</li> <li>• Utilization of non degradable waste for developing water proof garments</li> <li>• Management of stored grain pests and dairy animals during summer</li> <li>• Use of Laser land leveler</li> <li>• Balanced ration for dairy animals</li> <li>• Production technologies for basmati rice</li> <li>• Management of sugarcane pests</li> <li>• Vegetable cultivation in rainy season</li> <li>• Storage of food grains at household level and women empowerment through formation of SHG's</li> <li>• Resource conservation technologies in Paddy</li> <li>• Identification of micronutrients deficiency in Kharif crops and their remedial measures</li> <li>• Production technology of rabi pulses and oilseed crops</li> <li>• Prevention of zoonotic diseases</li> <li>• Management of dairy animals during winter and summer season</li> <li>• Nutrient deficiency in rabi crops &amp; corrective measures</li> <li>• Clean milk production at domestic and commercial level</li> <li>• Care and management of newly born calves</li> <li>• Prevention &amp; control of endo and ecto parasites in dairy animals</li> <li>• Cultivation of legumes for improving soil health</li> <li>• IPM of sugarcane and spring maize</li> <li>• Preparation of phenyl and Value addition to farm based products</li> <li>• Pest management in moong, mash and groundnut</li> <li>• Value addition to pulses</li> <li>• Stitching of <i>kaliyan wali kurti</i> with piping work</li> <li>• Preservation, Processing and packaging of fruits and vegetables</li> <li>• Management of repeat breeding in dairy animals.</li> <li>• Anoestrous problem in dairy animals</li> <li>• Cultivation of brinjal and tomato during rainy season</li> <li>• Weed management in vegetables during summer/rainy season</li> <li>• Various options for crop diversification and their management</li> <li>• Techniques for efficient weed management in Paddy</li> <li>• Techniques for successful cultivation of Kharif pulses</li> <li>• Production technologies for seed production of berseem</li> </ul>

S. No	Name of SAU	Area of training conducted
		<ul style="list-style-type: none"> <li>• Popularization of greens for iron deficiency</li> <li>• Green manuring with Sunhemp</li> <li>• Management of insect pests and diseases in citrus</li> <li>• Management of foot rot in basmati</li> <li>• Urea treatment of wheat straw and its feeding in dairy animals</li> <li>• Balanced feeding of broilers and layers</li> <li>• Feed computation for dairy animals</li> <li>• Techniques of soil sampling for field crops &amp; Interpretation of soil test reports</li> <li>• Safe food grains, fruits &amp; vegetables storage at household level</li> <li>• Drip Irrigation &amp; Fertigation in horticultural crops</li> <li>• Use of solar energy gadgets</li> <li>• IPM in Kharif crops &amp; safe use of pesticides</li> <li>• Garments enrichment by painting, stitching and hand embroidery</li> <li>• Promotion of Direct Seeded Rice for resource conservation</li> <li>• Maintenance &amp; Transplanting of Mat type nursery</li> <li>• Preparation of articles using block printing &amp; weaving</li> <li>• Importance of kitchen gardening</li> <li>• Tying and dyeing of cotton fabric</li> <li>• Establishment of broiler farm</li> <li>• Judicious use of poor quality irrigation water</li> <li>• Squash and jam preparation</li> <li>• Successful cultivation of Cotton by Balanced use of fertilizers</li> <li>• Preparation of milk products</li> <li>• Recipes of Ghia (Lauki)</li> <li>• Management of whitefly in Cotton</li> <li>• Water saving techniques for kharif crops</li> <li>• Natural resource management</li> <li>• Potassium nitrate application in Cotton</li> <li>• Fertilizer management in deciduous fruit plants</li> <li>• Management of Varroa and Trop ilaepsis mite in honey bees</li> <li>• Tips for marketing of crops</li> <li>• Micro nutrient deficiency in kinnow and their management</li> <li>• Cultivation and quality seed production of direct seeded paddy/basmati</li> <li>• Use of LCC and tensiometer in paddy/basmati</li> <li>• Conjugative use of poor quality water for irrigation</li> <li>• Training on resource conservation technologies in wheat</li> <li>• Weed management in wheat</li> <li>• Scope of bio drainage in Muktsar district</li> <li>• Crop diversification and intensification by cultivation of summer pulses</li> <li>• Spraying techniques</li> <li>• Preparation of low cost nutritious recipes</li> <li>• IPM in rabi crops</li> <li>• Growing techniques of cucurbits</li> <li>• Insect pest and disease management in summer pulses</li> <li>• Management of Soil &amp; seed borne diseases through seed treatment</li> <li>• Stitching of garments</li> <li>• Diagnosis of nutrient deficiency in Kharif crops &amp; their remedial measures</li> <li>• Preparation of nutritious recipes from Button Mushroom</li> <li>• Preparation of feed and silage for dairy animals</li> <li>• Preparation of nutritious foods by fermentation</li> </ul>

S. No	Name of SAU	Area of training conducted
2.	GADVASU, Ludhiana	<ul style="list-style-type: none"> <li>• Soil sampling techniques for soil test based fertilizer application</li> <li>• Integrated home science technologies for entrepreneurship</li> <li>• Post harvest management of onion and garlic</li> <li>• Preparation of nutritious snacks for school going children</li> <li>• Management of problematic soils</li> <li>• Value addition of household linen through tie and dye technique</li> <li>• Cultivation of rainy season vegetables</li> <li>• Management of dairy animals during summer</li> <li>• Mechanical transplanting of paddy/ basmati</li> <li>• Preparation of ready to serve beverages from seasonal fruits</li> <li>• Planning, layout and planting of orchards</li> <li>• Care, maintenance and proper handling of spray equipments</li> <li>• INM and use of bio-fertilizers in rabi crops</li> <li>• Insect-pest &amp; diseases management in oilseed &amp; pulse crops</li> <li>• Protected cultivation in vegetables</li> <li>• Preparation of various detergents at household levels</li> <li>• Awareness regarding food adulteration</li> <li>• Cultivation of oil seed crops</li> <li>• Weed control in wheat</li> <li>• Diet management for diabetic, obese and anaemic patients</li> <li>• Preservation of seasonal fruits and vegetables</li> <li>• Women empowerment</li> <li>• Importance of mineral mixture in dairy farm animals</li> <li>• Integrated nutrient management in wheat</li> <li>• Demonstration on soil sampling</li> <li>• Goat management practices at household level</li> <li>• Weed management in rabi crops</li> <li>• Integrated nutrient and pest management in Gobhisarson</li> <li>• Importance of scientific poultry farming</li> <li>• Cultivation of off season vegetables</li> <li>• Cultivation practices of rainy season vegetables</li> <li>• Safe use of pesticides &amp; role of honey bees</li> <li>• Planting and layout of orchard</li> <li>• Clean milk production in dairy animals</li> <li>• Scientific cultivation of carrot</li> <li>• Nutrition management of horticulture crops</li> <li>• Year round fodder production</li> <li>• Cultivation practices of exotic vegetables</li> </ul>
3.	CCS HAU, Hisar	<ul style="list-style-type: none"> <li>• IPM in paddy, safe and judicious use of pesticides</li> <li>• Spray techniques in agriculture</li> <li>• Diagnosis of nutrient deficiency symptoms and their control in cotton</li> <li>• Insect-pests and disease management in cotton</li> <li>• Production technology of kharif crops After careof newly <i>Eucalyptus</i> plantation</li> <li>• Training on mushroom cultivation</li> <li>• Training on production technology of <i>Eucalyptus</i></li> <li>• Lopping management in <i>Prosopis</i></li> <li>• Integrated disease and insect-pests management in rabi crops</li> <li>• Training on fruits and vegetables preservation</li> </ul>

S. No	Name of SAU	Area of training conducted
		<ul style="list-style-type: none"> <li>• Production technologies of rabi crops</li> <li>• Training on insect-pests and disease management of summer vegetables</li> <li>• Crop Residue management to avoid burning in wheat crop</li> <li>• Sprouting and fermentation of pulses &amp; Technological advances in agro forestry.</li> <li>• Importance of soil &amp; water testing &amp; Vegetable cultivation techniques</li> <li>• Grading and standardization of vegetables</li> <li>• Training on <i>Parthenium</i> eradication &amp; awareness campaign</li> <li>• Importance of e-marketing in agriculture &amp; allied fields and importance of RCT's in agriculture.</li> <li>• Training on value addition of Bajra, soyabean, groundnut &amp; til</li> <li>• Training on intercropping of rabi crops under agroforestry</li> <li>• Minimization of nutrient losses during cooking</li> <li>• Sustainable Farming- An Economic Overview</li> <li>• Women and Child Care</li> <li>• Economics of Livestock Production and Cattle Insurance</li> <li>• Low Cost Nutrient Efficient Diet Designing</li> <li>• Nematode Management in Vegetables</li> <li>• Training on Farm Record Maintenance</li> <li>• Household Adulteration Detection</li> <li>• Economics of Medicinal and Aromatic crops</li> <li>• Economics of Rabi Crops</li> <li>• Entrepreneurship Development among Rural Youth</li> <li>• Low cost nutritious recipes</li> <li>• Disease management in paddy</li> <li>• Preparation of weaning and supplementary food</li> <li>• Use of zero tillage in wheat crop</li> <li>• Training on value added products of fruit &amp; vegetables</li> <li>• Detergent making</li> <li>• Pruning in fruit plants</li> <li>• Scientific cultivation of paddy nursery raising</li> <li>• Direct seeded rice for resource conservation</li> <li>• Management of Anaemia in adolescent girls</li> <li>• Crop Insurance</li> <li>• Production technology of Summer fodder crops</li> <li>• Importance of pre-school education</li> <li>• Importance of balance diet for pregnant women</li> <li>• Nutritional disorder in field crops and remedy measures</li> <li>• Training on Kitchen Gardening</li> <li>• Skill development on milk production and milk marketing products</li> <li>• Training on cutting and tailoring</li> <li>• Training on Kisan credit card</li> <li>• Crop diversification through horticulture</li> <li>• Water harvesting and moisture conservation</li> <li>• Preparation of bajra laddoo and matar</li> <li>• Training programme on Care &amp; Maintenance of Agricultural Machinery</li> <li>• Organized Training on Formation of Kisan Club &amp; its benefits</li> <li>• Training on improvement technology of Brinjal cultivation</li> <li>• Operational maintenance of submersible tubewell &amp; pumping set.</li> <li>• Field day on paddy, seed treatment in wheat and awareness on residue management of paddy straw</li> <li>• Scientific Cultivation of cauliflower</li> </ul>

S. No	Name of SAU	Area of training conducted
		<ul style="list-style-type: none"> <li>• Fabric Enrichment by tie and dye</li> <li>• IPM in pulses (Summer Moong)</li> <li>• Growing of Dhaincha for green manure</li> <li>• Reclamation and management of salt affected soil</li> <li>• Use shed / net houses in vegetable cultivation</li> <li>• Entrepreneurial development of farm youth</li> <li>• Water saving techniques in Horticultural crops</li> <li>• Use of organic manure to improve soil health</li> <li>• Training on use of Pradhan Mantri Phasal Bima Yojana</li> <li>• Training on Integrated Farming System</li> <li>• Training on INM in paddy</li> <li>• Training on Fabric Enrichment by fabric painting</li> <li>• Training on Balance use of fertilizer in Kharif crops</li> <li>• Training on Okra cultivation</li> <li>• Training on Modern kitchen tools for saving time and energy</li> <li>• Training on Bio-control of sugarcane pests</li> <li>• Training on Micronutrient deficiencies and their remedies</li> <li>• Training on Organic farming</li> <li>• Training on economics and marketing of mushroom</li> <li>• Training on Amylase rich food for children</li> <li>• Training on Fertilizer management in late sown wheat</li> <li>• Beneficial effects of neem coated urea over plain urea in crops</li> <li>• Identification of nutrient deficiency symptom in wheat crop</li> <li>• Training on Economics of enterprises allied to agriculture</li> <li>• Training on Incorporation of dried GLV in diet</li> <li>• Training on Technology for off-season cultivation of cucurbits</li> <li>• Training on Economics of different vegetable &amp; oil seed crops</li> <li>• Training on Transplanting and cultivation of onion</li> <li>• Drying &amp; incorporation of green leafy vegetables and mushroom</li> <li>• Crop planning and enterprises mix for efficient resource use</li> <li>• Training on Fruit fly management in Vegetables</li> <li>• Training on IPM in sugarcane</li> <li>• Training on Cultivation Technology of summer moong</li> <li>• Seed treatment of sugarcane against termites</li> <li>• Processing and Nutritional improvement of cereals</li> <li>• Capacity Building by formation of SHG groups</li> <li>• Training on water sampling</li> <li>• Management of sucking pests in cotton</li> <li>• <i>Kisan Sammelan</i> on crop residue management</li> <li>• Training on Integrated weed management in RWCS</li> <li>• Training on sugarcane ratoon management</li> <li>• Meeting with farmers to assess the farmer requirement in agriculture</li> </ul>
4.	LUVAS, Hisar	<ul style="list-style-type: none"> <li>• Popularization of balanced feeding in dairy animals</li> </ul>
5.	CSK HPKV, Palampur	<ul style="list-style-type: none"> <li>• Organic agriculture and vegetable cultivation</li> <li>• IDM in Rabi crops</li> <li>• Rabi crops management</li> <li>• Scientific pulses production technique</li> <li>• Integrated crop management of cereal crops</li> <li>• Advance techniques for production of cole crops</li> <li>• Off-season cultivation of tomato and okra</li> </ul>



S. No	Name of SAU	Area of training conducted
6.	SKUAST, Kashmir	<ul style="list-style-type: none"> <li>• Advance techniques for weed management in vegetable crops.</li> <li>• Cultivation of oilseed crops</li> <li>• Plant protection in pulses and oilseed crops</li> <li>• Training camp on Integrated nutrient Management in different crops</li> <li>• Training Camp on Post harvest management and Value addition of fruits and vegetables</li> <li>• Training camp on Infertility management in Cattle</li> <li>• Training camp on mother and child care</li> <li>• Role of Mineral mixture supplementation in livestock</li> <li>• Preservation of locally available fruits and vegetables</li> <li>• Scientific methods of Vegetable cultivation</li> <li>• Organic farming</li> <li>• Nutritional importance of minor millets and old underutilized crops.</li> <li>• Training on <i>Azolla</i> cultivation for fodder</li> <li>• Cultivation practices of summer vegetable crops</li> <li>• Minimization of nutrient losses during processing ,cooking and preservation</li> <li>• Training on importance of soil sampling and testing</li> <li>• Prophylactic measures against parasites and diseases.</li> <li>• Cultivation practices of winter vegetable crops</li> <li>• Processing and value addition of cereals and pulses</li> <li>• Silage making and balanced ration for dairy animals</li> <li>• Nutritional management of dairy animal and small ruminants</li> <li>• Processing and value addition of millets and pulses for nutritional security</li> <li>• Fertilizer application in pomegranate</li> <li>• Weed management in paddy</li> <li>• Scientific crop production of <i>Rabi</i> pulse crop</li> <li>• Scientific wheat production techniques</li> <li>• Integrated pest management in pea</li> <li>• Disease diagnosis in apple orchards</li> <li>• Paddy nursery management</li> <li>• Pollination Management in Fruit crops</li> <li>• Paddy transplantation on scientific basis</li> <li>• Livestock Health Management</li> </ul>

## ANNEXURE- V

## Areas of awareness under MGMG

## ICAR-Institutes

S.No.	Name of Institute	Areas of awareness
1.	IARI and IARSI, New Delhi	<ul style="list-style-type: none"> <li>• Seed Treatment to overcome bakanae, blast and bacterial blight disease of Rice</li> <li>• Management of brown plant hoppers by modifying the agronomic practices and timely monitoring</li> <li>• Role of IARI in research and development of Agricultural</li> <li>• Opportunities through Mera Gaon Mera Gaurav scheme</li> <li>• System of Rice Intensification (SRI)</li> <li>• Opportunities for farmers through other ICAR institutes, self Help Group approach for Empowerment</li> <li>• Preception of Govt. scheme-Pradhan Mantri Phasal BhemaYojna, Kissan Call Centre, Pusa helpline</li> <li>• Govt. Programme- Swachh Bharat, JaivikKheti, Swacchta Pakhwara</li> <li>• Facilities provided by Custom Hiring Centre related to Farmer welfare</li> <li>• Practices about seed production of Potato, Mustard crop, Basmati rice, wheat, oilseeds and okra</li> <li>• Promising recently developed IARI technologies</li> <li>• Farmers wereinformed Pusa m-Krishi &amp; Pusa Krishi services in Badka, Increase productivity of wheat and oilseeds</li> <li>• Regarding planting of citrus sapling near houses.</li> <li>• Campaign to create awareness about Open defecation system</li> <li>• Insect-pest management, use of quality seeds and selection of varieties Rabi, Kharif and horticulture crops</li> <li>• To aware farmer about Agricultural crop insurance scheme</li> <li>• Good agricultural practices of tomato, summer moong, mustard</li> <li>• Conservation agriculture and zero tillage</li> <li>• Inclusion of short duration pulses in rice-wheat system</li> <li>• Participation in annual Kisan Mela</li> <li>• Plant protection (pest and diseases), animal diseases</li> <li>• Provided seasonal weather information</li> <li>• Provided information how to manage Heat wave like condition in wheat arises in Mewat areas especially Badka, Bima, Palladi, Kalarpuri, where soil was light and irrigation was scarce.</li> <li>• Managing Early blight of tomato and Off season vegetable cultivation</li> <li>• Motivate farmers to grow organic vegetable crops in cluster and use of green vegetables in diet</li> <li>• IDM and IPM to avoid indiscriminate spray of toxic chemicals</li> <li>• Cleanliness of village sewage and waste water management</li> <li>• Registering all girl childs in schools</li> <li>• Cooperative dairies and processing of milk products</li> <li>• Development of ponds in Mithathal using water table and rain water harvesting</li> <li>• Motivate farmers to adopt diversification of agriculture and Crop rotation</li> <li>• Recommended doses of pesticides at appropriate time, agro-met advisory services, Use of FYM</li> <li>• Balanced use of fertilizer, Soil health card, Market based agriculture, Balanced use of resources and soil &amp; water testing</li> </ul>

S.No.	Name of Institute	Areas of awareness
2.	ICAR -NBPGR, New Delhi	<ul style="list-style-type: none"> <li>• Soil health card, Organic cultivation be practiced, nematode problem in crops</li> <li>• Safe use of insecticides and waiting period for insecticides especially in vegetables.</li> <li>• Use of green manures, use of pheromone trap in crops, application of botanicals and organic pesticides.</li> <li>• Improved package of practices of rice for better management of crop and higher productivity</li> <li>• Promotion of traditional organic agriculture and value addition of agri-produce</li> <li>• Promote Biofertilizer i.e. azolla application in paddy cultivation</li> <li>• We briefed the farmers about zero tillage wheat and motivated them to adopt this technology</li> <li>• Maintaining the animal shed during raining season</li> <li>• Management and control of stem borer in paddy insect in carrot, sugarcane crops etc.</li> <li>• Control of smut disease in basmati rice</li> <li>• Plant protection measure of grassy shoot disease in sugarcane and advised them to treat seed stock before sowing.</li> <li>• Control of stem borer in mango, the farmers were advised to identify the hole and kill the insect.</li> <li>• Use Fungicides and Insecticides in Palak and Gourd to prevent anthracnose, leaf minor, <i>Cercospora</i> etc</li> <li>• Informed farmers to plant Marigold on periphery of field for pollination and protect vegetables from attack nematodes</li> <li>• Use of carrot planter, efficient use of sprinkler and drip systems of irrigation in the field</li> <li>• Preparation practices of Biogas and vermicompost</li> <li>• Women generating extra income by manufacturing pickle and stitching of jute bags</li> <li>• SBA and importance of hygiene, add organic matter to soil to improve soil productivity and water holding capacity in sandy soil</li> <li>• Not to burn sugarcane trashes for fore coming season</li> <li>• Aware to adopt GAP in wheat</li> <li>• Safety management in fodder cutting activity</li> <li>• Encourage the farmers to grow Short Duration variety of wheat (HD 3086)</li> <li>• Importance of rouging in seed plot of wheat and mustard</li> <li>• Grow vegetables and floricultural crops for high commerce</li> <li>• Aware farmers about Plant Genetic Resources Conservation</li> <li>• Importance of local land races and their use in Disease resistance management</li> <li>• Promote Farmers Rights and their utilization in farmer welfare</li> </ul>
3.	ICAR -NCIPM, New Delhi	<ul style="list-style-type: none"> <li>• Encourage farmers not to use hazardous organic fertilizer</li> <li>• Promote Swachhata Abhiyaan programme</li> </ul>
4.	ICAR -NIAP, New Delhi	<ul style="list-style-type: none"> <li>• Awareness about climate change and their impact on crops</li> <li>• Give training to farmers how to collect soil and water samples</li> <li>• Govt. programs like Doubling Farm Income, Crop Insurance, Soil Health Card and Pradhan Mantri Fasal Bima Yojna</li> <li>• Healthy seed procurement process for Rabi crops</li> <li>• Cashless transactions such as e-NAM</li> <li>• Safe disposal of irrigation water and demonetization effects and related aspects</li> </ul>

S.No.	Name of Institute	Areas of awareness
5.	ICAR -NRCPB, New Delhi	<ul style="list-style-type: none"> <li>• GM crop related information</li> <li>• Soil health card and Crop insurance scheme to mitigate the unpredicted hazardous.</li> <li>• Swachh Bharat Abhiyaan programme</li> </ul>
6.	ICAR -CIRB, Hisar	<ul style="list-style-type: none"> <li>• Importance of record keeping in animal, improved buffalo farming &amp; crop husbandry.</li> <li>• Special care of animals during monsoon, prevention of ecto-and endo parasites</li> <li>• Significance of balanced feed ratio and area specific mineral mixture</li> <li>• Swachhta Abhiyaan related activities and eco friendly technologies</li> <li>• Murrah phenotype characters and vaccination</li> <li>• Forage and crops of current season, insect control and improved fodder varieties</li> <li>• Government programmes such as soil health card, Pradhan Mantri Fasal Bima Yojana</li> </ul>
7.	ICAR -CSSRI, Karnal	<ul style="list-style-type: none"> <li>• Women employment, Children education and fish farming</li> <li>• Cleanliness in homes and surroundings under 'Swachha Bharat Abhiyan</li> <li>• Cashless transaction and role of digitized economy in development</li> <li>• Pradhan Mantri Fasal Bima Yojana in minimizing farmers risk</li> <li>• Compost preparation from home/farm waste or from degradable organic matter</li> </ul>
8.	ICAR -IIWBR, Karnal	<ul style="list-style-type: none"> <li>• Awareness about kitchen gardening</li> <li>• Popularisation of wheat variety DBW 88</li> <li>• Harvesting of wheat crop at physiological maturity, precautions during harvesting and threshing</li> <li>• Soil health, soil and water testing, laser land levelling, conservation agriculture practices, intercropping in sugarcane, seed treatment for sowing.</li> <li>• Convince farmers for the use of Happy Seeder</li> <li>• Seed production under agreement for developing farmer's entrepreneurship.</li> <li>• Wheat insect pest management, improved varieties, yellow rust management, weed management</li> <li>• Pradhan Mantri Fasal Bima Yojana, Soil health cards, Climate change and crop insurance</li> </ul>
9.	ICAR -NBAGR, Karnal	<ul style="list-style-type: none"> <li>• Natural resource management and green manuring</li> <li>• Swachh Bharat begins, good sanitary practices</li> <li>• Preventive measures for diseases spread due to filthiness were highlighted</li> <li>• How to take care of personal hygiene and good sanitary practices</li> <li>• Benefits of indigenous livestock over others were explained.</li> <li>• Aware 10+2 students about their carrier in Agriculture</li> </ul>
10.	ICAR -NDRI, Karnal	<ul style="list-style-type: none"> <li>• Promote health, hygiene condition and importance of girls education</li> <li>• Encourage to purchasing only Indian made items and eco-friendly celebration of festivals</li> <li>• Dairy farming practices, milk products preparation and balanced feeding of dairy animals at farmer dairy farm</li> </ul>
11.	ICAR -NRCE, Hisar	<ul style="list-style-type: none"> <li>• Provide information about soil and water testing</li> <li>• Schemes of central and state Governments for farmers' upliftment</li> <li>• Aware about legal remedies for spurious seeds, pesticides and fertilizers</li> <li>• Promote hygienic milk production</li> <li>• Not to defecate in open</li> <li>• Swachh Bharat Abhiyan, Fasal Beema Yojana, Importance of sanitation</li> <li>• Deworming of the equids with suitable anti-parasitic drugs.</li> </ul>

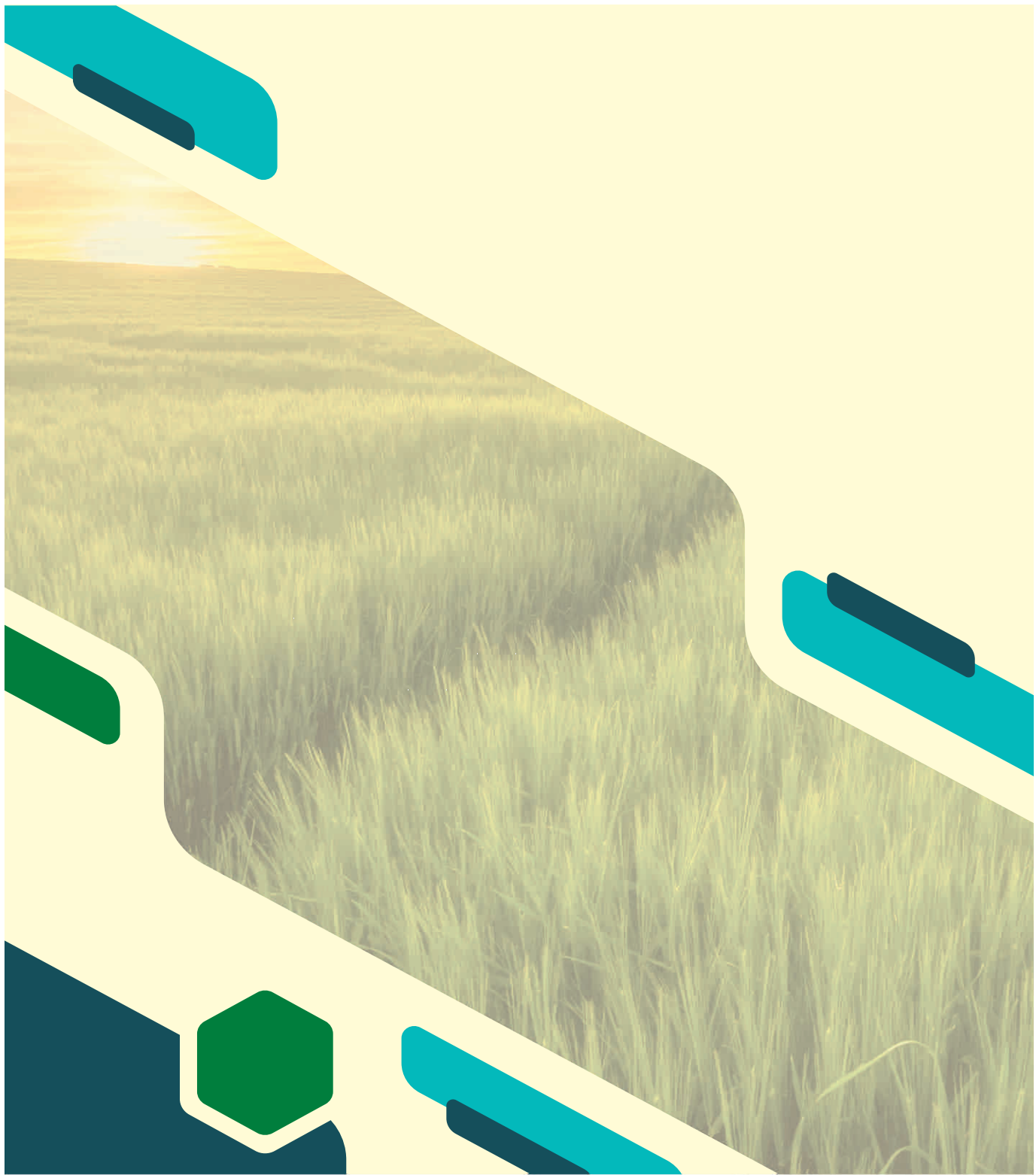
S.No.	Name of Institute	Areas of awareness
12.	ICAR -CPRI, Shimla	<ul style="list-style-type: none"> <li>• Spray of anti-tick solution on the animals and in the stables, Control of parasites in animals</li> <li>• Use mosquitoes repellent smoke in the stables during dawn hours of the day</li> <li>• Use of mineral mixtures in the concentrate feed at the time of feeding.</li> <li>• Equine husbandry, use of deworming schedule in cows,</li> <li>• Feeding mineral mixture for lactating cows and mares, offer luke warm water during winter</li> <li>• Management of vector &amp; vector-borne diseases</li> <li>• Feeding and management of dairy cows in pregnancy, Identification of true to breed Marwari horses.</li> <li>• Maintaining swacchata in the villages</li> <li>• Phosphorus supplement in weak goats and cows</li> <li>• Regular deworming of the equids with suitable anti-parasitic drugs.</li> <li>• Swacchata Abhiyan for creating hygienic conditions</li> <li>• Scientific vegetable cultivation by creating Whatsapp group</li> <li>• Intercultural operation in potato in high hill through TV</li> <li>• Methods of potato harvesting and storage in mid hills by TV</li> <li>• Post Harvest management in Potato in high hill through TV</li> </ul>
13.	ICAR -DMR, Solan	<ul style="list-style-type: none"> <li>• Nursery raising and cultivation of vegetables</li> <li>• Processing and value addition of tomato</li> <li>• Spray only recommended dose of chemicals</li> <li>• Crop Insurance scheme under Pardhan Mantri Fasal Bima Yojana</li> </ul>
14.	ICAR -CITH, Srinagar	<ul style="list-style-type: none"> <li>• Crop Insurance scheme under Pardhan Mantri Fasal Bima Yojana</li> </ul>
15.	ICAR -CIPHET, Ludhiana	<ul style="list-style-type: none"> <li>• Swacchata Abhiyan to create hygienic conditions</li> <li>• Not to burn crop residue in wheat-paddy crop rotation</li> </ul>
16.	ICAR -IIMR, Ludhiana	<ul style="list-style-type: none"> <li>• Crop Insurance, Climate Change (GHG), Swatch Bharat Mission</li> <li>• Low levelling of Ground Water (Water conservation)</li> <li>• To check the decreasing soil fertility and productivity</li> </ul>
17.	ICAR -ATARI, Ludhiana	<ul style="list-style-type: none"> <li>• Aware about Swacchata Abhiyan</li> <li>• Awareness related to paddy straw burning</li> </ul>
18.	PAU, Ludhiana	<ul style="list-style-type: none"> <li>• Campaign on Soil and Water testing</li> <li>• Campaign on cultivation of recommended varieties of Paddy and Sawatch Bhart Abhiyan</li> <li>• Campaign on resource conservation technologies</li> <li>• Campaign on Parthenium Eradication</li> <li>• Rat eradication campaign</li> <li>• Campaign against paddy and wheat straw burning</li> <li>• Campaign on sowing of recommended varieties of wheat and use of bio fertilizer</li> <li>• Awareness program on irrigation scheduling in nursery as well as in paddy</li> <li>• Awareness camps on management of whitefly on alternate host plant</li> <li>• Awareness camps on "Successful cultivation of Kharif Crop"</li> <li>• Awareness Camp on Proper upkeep and maintenance of farm machinery</li> <li>• Awareness program on proper spraying of weedicide in rabi crops</li> <li>• Awareness camps on "Successful cultivation Rabi Crop"</li> <li>• Sowing of recommended paddy varieties and non burning of wheat straw, Wheat sown with happy seeder, Judicious use of fertilizers and pesticides</li> <li>• Seed treatment of paddy, grain storage and rat control</li> </ul>

S.No.	Name of Institute	Areas of awareness
19.	GADVASU, Ludhiana	<ul style="list-style-type: none"> <li>• Seedling root dip treatment in Basmati for management of foot rot</li> <li>• Vaccination against FMD &amp; HS in livestock</li> <li>• For better balancing nutrition for babies-Breast feeding week</li> <li>• Farmer awareness on green manuring</li> <li>• Awareness about Crop Insurance</li> <li>• Awareness about Climate change and its effect on farming</li> <li>• To aware about use of solar gadgets</li> <li>• “Usage of Eco-friendly Technologies and No to Plastics” under Swachhata Pakhwara in Government Schools</li> <li>• Awareness about village cleaning for hygienic surroundings</li> <li>• Guidance regarding soil testing and fertilizer usage</li> <li>• Package of practices for wheat, berseem and gobhi sarson</li> <li>• Fish culture, Integrated fish farming system, Ornamental fish farming and on feed formulation for dairy animals</li> <li>• Drudgery reduction, balance diet management and awareness on diabetes</li> <li>• Cultivation practices for pea, potato, carrot, cucumber, chillies and Integrated pest Management of various crops</li> <li>• Awareness about fabric embellishment</li> <li>• Deworming in dairy animals, mastitis control and management</li> <li>• Awareness on <i>Parthenium</i> eradication</li> <li>• Clean milk production and need of mineral mixture feeding in dairy animals</li> <li>• Awareness against paddy straw burning, Diversification of Agriculture, Value addition of farm produce</li> <li>• Integrated crop management for better farming</li> <li>• Kitchen gardening for nutritional security and nutritional management of Horticulture crops</li> </ul>
20.	CCS HAU, Hisar	<ul style="list-style-type: none"> <li>• Nutrient management in wheat and maize</li> <li>• Limited use pesticides in rice to the extent possible</li> <li>• Precautions during rainy season for hygienic living</li> <li>• Safe storage of food-grains</li> <li>• Value addition techniques in daily diet for good health</li> <li>• Awareness against residue burning</li> <li>• Awareness about child care practices and Rural Health care</li> <li>• Training on seed treatment in Rabi crops</li> <li>• Kharif onion fertilizer and pest management and onion marketing</li> <li>• Fruit and vegetable preservation</li> <li>• Awareness on Sawach Bharat Abhiyan</li> <li>• Awareness about importance of soil &amp; water testing</li> <li>• IPM and INM in vegetable crops</li> <li>• <i>Parthenium</i> eradication in fields &amp; nearby area</li> <li>• Planting trees under agroforestry</li> <li>• Soil &amp; water testing awareness</li> <li>• Proper utilization of household waste in FYM preparation</li> <li>• Minimization of nutrient losses during cooking</li> <li>• Importance of Kitchen Gardening in healthy diet.</li> <li>• Awareness on importance of summer moong cultivation .</li> <li>• Consumer Education and Non burning of crops</li> <li>• Household &amp; environmental sanitation</li> <li>• Removal of off type, diseased plants in wheat &amp; weed control in rabi crops</li> </ul>

S.No.	Name of Institute	Areas of awareness
21	LUVAS, Hisar	<ul style="list-style-type: none"> <li>• Awareness about Crop insurance and Climate Change</li> <li>• Training on minimum use of pesticides in vegetable crops</li> <li>• Management of anaemia and oral rehydration</li> <li>• Rat and weed control</li> <li>• Pradhan Mantri Fasal Beema Yojna</li> <li>• Awareness about empowerment of women</li> <li>• Conservation Technologies in Agriculture</li> <li>• Seasonal management of dairy animals, Balanced feeding</li> <li>• Control of Brucellosis and Control of ecto and endo parasites</li> <li>• Use of quality water for dairy animals</li> <li>• Hazardious effects of burning of crop residue</li> <li>• Breeding, feeding, housing management and disease prevention in dairy animals</li> <li>• Vaccination against FMD and HS diseases</li> <li>• Mastitis management in bovines</li> <li>• Housing management and balanced ration preparation</li> <li>• Dairy of Desi cows and balanced feeding</li> <li>• Awareness on profitable dairy farming</li> <li>• Awareness about adoption of A.I</li> <li>• Training on plantation of fruits plants</li> <li>• Training on scientific rearing of animals and Calf management</li> </ul>
22.	CSKHPKV, Palampur	<ul style="list-style-type: none"> <li>• Vaccination against FMD and Zoonotic disease</li> <li>• Management of housing of dairy animals during winter session</li> <li>• Awareness about crop Insurance</li> <li>• Climate change and its impact on agriculture</li> <li>• Income generating activities for women SHGs</li> <li>• Awareness regarding Breast Feeding</li> <li>• Mineral mixture supplementation in livestock</li> <li>• Post harvest management and orchard management</li> <li>• Supplementary feeding for children</li> <li>• Awareness programme on Pulse production</li> <li>• Awareness campaign on Swachhata Abhiyan</li> <li>• Awareness on preservation of locally available fruits and vegetables</li> <li>• Awareness about importance of soil health</li> <li>• Parthenium awareness programmes</li> </ul>
23.	Dr.YSPUH&F, Solan	<ul style="list-style-type: none"> <li>• Cultivation of fruits, vegetables, fodder and agroforestry systems</li> <li>• Swachh Bharat Abhiyan, Soil health card, women empowerment</li> <li>• Techniques of water conservation like rain water harvesting, Sprinkler and drip irrigation systems</li> <li>• Zero budget agricultural techniques</li> <li>• Subsidised Government schemes, Need of soil health card and Scientific spray schedule</li> <li>• Use of neem based products improving soil health and use of copper based fungicides</li> <li>• Establish fodder bank of high yielding trees</li> <li>• Soil testing, soil fertility, organic farming, diversification of crops, flower cultivation, vegetable cultivation</li> <li>• Water harvesting techniques, soil sampling techniques</li> </ul>
23.	SKUAST, Srinagar	<ul style="list-style-type: none"> <li>• Soil moisture conservation techniques, preparation and use organic</li> <li>• Awareness about scientific rice cultivation</li> <li>• Post-harvest management of brown sarsen</li> </ul>







**ICAR-Agricultural Technology Application Research Institute**

**Ludhiana-141004, Punjab**