



**Haryana Government**  
**Horticulture Department, Haryana**



**Annual Administrative Report**  
**2020-21**

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<p style="text-align: center;"><b>REVIEW OF ANNUAL ADMINISTRATIVE REPORT OF HORTICULTURE DEPARTMENT, HARYANA FOR THE YEAR 2020- 21</b></p>
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Horticultural crops are high value crops providing much needed nutritious food to human beings. These commodities have great potential for domestic marketing & export as fresh and value added products. Horticulture has gained importance as a separate, viable economic activity. With the sustained efforts of the Department, considerable progress has been made in fruits, vegetables, flowers and mushroom cultivation.

**1. Area and Production of Horticulture Crops:**

Horticulture crops cover 4.17 lakh hectare area which is 6.35 % of the gross cropped area of the State. Production of horticultural crops in the State was 71.82 lakh MT during the year 2020-21.

- i) **Fruit Cultivation:** Total area under fruit is 71460 hectare in the year 2020-21 with production of 12.31 lakh MT.
- ii) **Vegetable Cultivation:** Total area under Vegetables is 337302 hectare in 2020-21 with production of 58.69 lakh MT.
- iii) **Spices:** Total area under Spices is 6846 hectare in 2020-21 with production of 0.54 lakh MT.
- iv) **Medicinal and Aromatic Plants:** Total area under Medicinal & Aromatic Plants is 268 hectare in 2020-21 with production of 0.003 lakh MT.
- v) **Flower Cultivation:** Total area under Flower Cultivation is 1977 hectare in 2020-21 with production of 0.18 lakh MT.
- vi) **Mushroom :** In the year 2020-21, a production of 10139 MT of mushroom was achieved.

**2. National Horticulture Mission:**

National Horticulture Mission Sharing (60:40) Central Government sponsored scheme was implemented in 19 districts in the state of Haryana during the year 2020-21. Total financial provision was kept of Rs. 17994.35 lakhs. Various components covered under this, such as area expansion under fruits, establishment of big and small modern nurseries, Integrated Pest Harvest Management, flowers, spices, medicinal and aromatic production, rejuvenation of old plants, training of farmers, production of vegetable seeds and mushroom etc. During the year 2020-21 an amount of Rs. 14170.86 lakhs was spent.

### 3. Focus on Protected and vertical Cultivation:

For raising disease free nursery, off - season and pesticide residue free vegetables, green house technology can play a vital role. Govt. is giving more focus on protected and vertical cultivation with total subsidy of 65% to general farmers and 90% to S.C. farmers and so far 2796.78 hectare area under bamboo stacking, 1206.13 hectare area under protected structures, 606.77 hectare area under plastic- Tunnels and 3932.87 hectare under mulching has been covered in 2020-21. Category wise progress is summarized as below:

Sn.	Component	Up to 2020-21	
		Phy. (in ha.)	Fin. (Rs.in lacs)
1	Poly House/Net House	1054.25	35727
2	High Value Vegetable	151.88	1226.78
3	Low Tunnels	606.77	1274.21
4	Mulching	3932.87	574.78
5	Bamboo Stacking	2796.78	1807.65
	<b>Total</b>	<b>8542.55</b>	<b>40610.42</b>

### 4. Micro-Irrigation:

Under Micro Irrigation Scheme, Per Drop More Crop up to March, 2020 an area of 130380 hectare has been covered. During the year 2020-21 an area of 5931 hectare has been covered under horticulture crops with the expenditure of 3656.95 Lakh.

### 5. Crop Cluster Development Programme (CCDP):

New scheme namely Crop Cluster Development Program (CCDP) has been launched with budget outlay of Rs. 510.36 crore for a period of three years.. Under this program, in each cluster marketing infrastructure and post-harvest management facilities like pack house, primary processing centre, grading-sorting machine, storage facilities, refer vans, input and quality control facilities shall be created to have forward and backward linkage for effective marketing of horticulture produce.

### 6. Formation of Farmers Produce Organisation and product clusters:

To promote collective marketing of horticulture produce, Formation of Farmers Producer Organization (FPOs) has formed. The farmers directly benefited under different govt. schemes.

- Crop Cluster Identified : 393 nos. in 22 districts
- Farmer Producer Organization : 486 FPOs
- Farmers registered : 79792 nos.

### 7. F.P.O

For formation and promotion of FPOs a dedicated Scheme has been started during 22 May, 2018. Under this scheme to promote collective marketing of horticulture produce and increasing income of farmer, a total 486 Farmer Producer Organizations had been formed and promoted up to 31.03.2020. Till now about 79792 farmers have been mobilized in these FPOs. For strengthening of these FPOs a budget provision of Rs. 10.00 crore is also earmarked for handholding up to 3year.

To promote high-tech technology among these FPOs a budget of Rs. 19.00 crore has been incurred during 2018-19 and a budget provision of Rs. 20.00 crore has been earmarked. These FPOs are not only marketing its produce on collective basis but also have linkages with markets.

#### **8. Establishment of Center of Excellence:**

These centres have been established with the objective of demonstration of latest technologies available nationally and internationally. New cultivars are being demonstrated for adoption in the region and farmers are being regularly given exposure and trained over here. Further, quality fruit planting material and soilless vegetable seedlings are being provided to the farmers for better adopting and higher production and there by increase in their income.

#### **9. Bhavantar Bharpayee Yojana (BBY):**

Haryana Govt. has started Bhavantar Bharpayee Yojana (BBY) in the State from 01.01.2018 to incentivize farmers to offset the losses during low prices in the market for perishable horticultural commodities. This is a unique scheme in India. This scheme also encourages the farmers towards diversification and to expand the area under horticulture crops. Keeping in view of the success of the scheme, now 19 horticulture crops have been included under the scheme. The protected price of each crops has been fixed. To take the advantage of scheme farmer can register his area and crop on Meri Fasal Mera Byora Portal. If the wholesale price (BBY) rate falls below the fixed rate price, then the amount is paid to the farmer directly into the account of a farmer. Since start of this scheme from January 2018. The Total no. of 5403 farmers benefited under this scheme and an amount of Rs. 1412.22 lakh has been released.

#### **10. Establishment of Horticulture University:**

To provide quality education linked with enhancing learning outcomes, the work of Maharana Pratap Horticultural University has been started at Karnal along with establishment of three Regional Research Stations in Chansoli (Ambala), B.Raiya (Jhajjar) & Badhana (Jind). The work of boundary wall, earth filling, main gate and precast boundary wall has been completed of main campus at Anjanthali, Karnal. The work of boundary wall, Research farms and building etc. at these Regional Research Stations are under progress.

For this an amount of Rs. 60.15 crore has been released out of total budget outlay of Rs. 486.59 crore. The Post Graduate Courses for students has also been started from academic year 2017-18 and total 20 nos of students for M.Sc. (Hort) and 12 nos of students for Ph.D. (Hort) have been admitted upto academic year 2020-21.

#### **11. Good Agriculture Practices (GAP):**

The State Govt. was decided to evaluate pesticides residue level in fruits & vegetables and adoption of Good Agricultural Practices for the state of Haryana with the objective to minimize the use of pesticide in Haryana by adopting Good Agricultural practices by ensuring environmental, economic and social sustainability. For the above purpose State Govt. was started state plan scheme namely Good Agricultural Practices and Effect of Pesticide Residue on Fruits & Vegetables in the year 2012-13 with the objective to educate farmers and entrepreneur about minimum use of pesticides in Haryana by adopting Good Agricultural Practices by ensuring environmental, economic and social sustainability.

**Activities carried out under GAP during 2020-21:**

- a. For biological control of insects/pests; pheromone and sticky traps were provided to farmers on subsidy @ 75 % for 380 ha. area during 2020-21.

**Hari-Bhari National Environment Protection Society**

1. A special two year project was launched by Department of Horticulture in collaboration with NCIPM-ICAR, Govt. of India on **“ICT based E-Pest Surveillance and Advisory Services for Horticultural crops in Haryana”** in nine selected districts i.e. Karnal, Kurukshetra, Panipat, Sonapat, Gurugram, Mewat, Fatehabad, Sirsa and Hisar in 2018. The Govt. of Haryana was extended this ongoing project for two more years i.e. 2020-21 & 2021-22 with three more districts viz. Ambala, Bhiwani and Palwal along with three new crops viz. Okra, Chilli & Brinjal. This is basically internet based system of capturing pest information from field and producing-instant and customized pest report to the plant protection expert for further release of advisory to farmers through SMS for timely management of insect-pest & diseases in horticultural crops.

**Progress of under this Project till date is as under:**

- Nos. of selected district : 12
  - Nos. of selected villages for data collection : 80
  - Nos. of farmers registered for advisory : 11606
  - Area covered under selected crops (acre) : 33438
  - Nos. of advisory issued : 6034
  - Nos. of SMS sent to registered farmers : 13,62,271
2. Haryana Govt. has also approved a special project entitled **“Area- wide validation of adaptable and deliverable Integrated Management Technology for Fruit Fly in Cucurbitaceous Vegetables crops”** which will be implemented by Department of Horticulture, Haryana in collaboration with NCIPM-ICAR, New Delhi on pilot basis in the selected Baagwani Villages i.e. Padhana, Ganger, Sandheer, Rambha, Samora, Takhana & Shamgarh in district Karnal for Cucurbitaceous crops under GAP (IHD) scheme. The main objective of this project is to demonstrate the effectiveness of Integrated Pest Management (IPM) Technology for Fruit Fly in Cucurbits in farmers’ participatory mode at village level.

**Progress under this project till date is as under:**

- Nos. of selected district : 1
- Nos. of selected villages : 7
- Nos. of farmers registered : 460
- Area covered (acre) : 814
- Total traps used : 720
- Neem oil : 100

**12. Agriculture Human Resource Development (AHRD):**

Under skill mission programme department has signed the MoU with Agriculture Skill Council of India (ASCI) and conducting Trainings and Skill development programme at various horticulture centres i.e. Horticulture Training Institute (Karnal), Centre of Excellence for Vegetable & Fruits (Karnal & Sirsa), Centre for Sub-Tropical Fruits (Kurukshetra), Integrated Beekeeping Development Centre (Kurukshetra).

## **CRITIQUE OF THE ANNUAL ADMINISTRATIVE REPORT OF THE DEPARTMENT OF HORTICULTURE, HARYANA FOR THE YEAR 2020-21**

Horticultural crops are cash crops and per unit return is greater than traditional agricultural crops. With a focus to double the income of farmers, horticulture played a major role in enhancing their income. Govt. has launched no. of schemes and provided greater incentives to attract farmers towards horticulture to make it viable economic activity. With the sustained efforts of the department, considerable progress had been made in fruits, vegetables, flowers, mushroom, protected cultivation, micro irrigation, etc.

The overall area under horticulture has increased to 4.78 lakh ha. in 2019-20 Similarly, the production of horticultural crops has increased to 80.68 lakh MT during 2020-21.

To strengthen backward & forward linkages and effective marketing of horticulture produce Govt. has launched a Crop Cluster Development, Programme during 2017-18 with an amount of Rs. 510.36 crore. Under this scheme to promote collective marketing of horticulture produce and increasing income of farmer, a total 486 Farmer Producer Organizations had been formed and promoted up to 31.03.2020. Till now about 79792 farmers have been mobilized in these FPOs.

With a view to support horticulture perishable commodities and to cover the risk of farmers, Govt. has launched Bhavantar Bharpayee Yojana during at 30<sup>th</sup> December, 2019 and during 2020-21, 28613 farmers were registered for an area of 74148 acre. During this period an amount of Rs.59.24 lakh was distributed an incentive to famers.

Estabalishment of Center of Excellence:

These centres have been established with the objective of demonstration of latest technologies available nationally and internationally. New cultivars are being demonstrated for adoption in the region and farmers are being regularly given exposure and trained over here. Further, quality fruit planting material and soilless vegetable seedlings are being provided to the farmers for better adopting and higher production and there by increase in their income.

**Detailed report of introduction, Administration and Departmental Schemes of  
Horticulture Department Haryana during 2020-21**

**INTRODUCTION**

The state of Haryana has emerged as a pioneer state in the field of horticulture after agricultural diversification. In the state, rigorous efforts are also being made to promote the production of flowers and mushrooms along with fruits and vegetables. A special attention has been given to this area in the state due to special attraction of farmers towards horticulture. Horticulture has an important role in raising the actual level of nutrition in food and economic level of farmers and in improving the environment.

After the formation of the Horticulture Department, horticulture development has got special contribution in implementing various schemes and extension related activities. In the 12<sup>th</sup> Five Year Plan, additional funds were provided by the Government of India for the promotion of horticulture in the state and during the year, the State Government made the most use of the additional funds given under the schemes of the Government of India

**ADMINISTRATION**

The administration of the Department was run by Director General, Horticulture in the year 2020-21. He was assisted by one Additional Director, three Joint Directors and 4 Deputy Directors at the headquarters level in day-to-day work. Apart from this, the activities related to Horticulture in various districts of the State were also looked after by him. These Deputy Directors were supported by the Class-II officers and the staff working under them at the Headquarter level. At the district level, the District Horticulture Officers and Subject Matter Specialist were deployed with their staff members, whose details are given in the Annexure-A. The Haryana State Horticulture Development Agency and Small Farmers Agricultural Trade Association are two subsidiary agencies with the Department of Horticulture. All types of schemes related to horticulture were implemented. Two Superintendent-cum-Project Officers are working with their supporting staff at the Center of Vegetable Excellence, Gharonda (Karnal) and the Center of Fruit Excellence, Mangiana (Sirsa) for the production of seeds of fruit plants and vegetable. Horticulture Development Officers were appointed to promote production of fruits, vegetables, flowers, mushrooms and spices etc. at the block level.

**Staff Position**

The details of the sanctioned, filled and vacant posts in the Directorate and field during the year 2020-21 are as under: -



**Directorate: -**

Posts	Number of Sanction post	Number of filled post	Number of vacant post
<b>Class -1</b>	12	06	06
<b>Class - II</b>	34	28	06
<b>Class- III</b>	65	35	30
<b>Class- IV</b>	19	15	04
<b>Total</b>	130	84	46

**Field:**

Posts	Number of Sanction post	Number of filled post	Number of vacant post
<b>Class- I</b>	10	06	04
<b>Class- II</b>	241	154	87
<b>Class- III</b>	221	144	77
<b>Class- IV</b>	380	264	116
<b>Total</b>	852	568	284

**Horticulture Department 2020-21**  
**Departmental Schemes**

**Department has launched the State Scheme and Central Plan Schemes (on sharing basis) for increase in production of Horticulture crops as under:-**

(Rs. in lakhs)					
Sr. No.	Name of Schemes	BE	RE	Exp. (31.03.2021)	
	<b>Part-I : State Scheme</b>				
1	P-01-27-2401-51-119-97-51-Scheme for Various Horticulture in Haryana (Recurring)	4613.00	4810.78	4306.04	
2	P-01-27-2401-51-119-92-98-Scheme for Agricultural Human Resources Development	358.80	250.00	176.46	
3	P-01-27-2401-51-119-70-51-Scheme for Demonstration cum-food Processing/Packaging Technology in Haryana	10000.00	80.00	78.60	
4	P-01-27-2401-51-119-65-51-Scheme for Integrated Horticulture Development in Haryana State	3512.50	6000.00	6308.76	
5	P-01-27-2401-51-119-58-51-Scheme for Promotion of Advanced National & International Technologies in Horticulture Sector	1731.55	2187.04	2032.60	
6	P-01-27-2401-51-119-54-51-Scheme for On-Farm & Marketing Support to Horticulture Farmers (SB No.54)	100.00	4000.00	4000.00	
7	P-01-27-2401-51-190-99-51-Scheme for Bhavantar Bharpayee Yojana in Haryana State	1000.00	43.50	0	
8	P-01-27-2401-51-119-53-51-Scheme for Establishment of Horticulture University	500.00	500.00	400.00	
9	P-01-27-2401-51-789-98-51-Scheme for Integrated Horticulture Development Plan Scheme for Scheduled Caste Families	500.00	500.00	380.11	
10	P-01-27-2401-51-119-71-51-Scheme for National Project on Promotion of Organic Farming Renamed as Organic Farming and Zero Budget Natural Farming Practices	10000.00	5.00	0	
11	P-01-27-2401-51-119-63-51- Plan Scheme Mukhyamantri Bagwani Bima Yojana (MBBY)	0	100.00	0	
12	P-01-27-2401-51-190-97-51- New Plan Scheme for Establishment of International Horticulture Marketing, Ganaur (Sonapat)	0	1.00	0	
	<b>Total : Part-I State Scheme</b>	<b>32315.85</b>	<b>18477.32</b>	<b>17682.57</b>	
	<b>Part-II : Central Scheme (Sharing Basis)</b>				
13	P-02-27-2401-51-119-72-51-Scheme on Micro Irrigation				
	SS	1800.00	6298.16	6275.07	

	CS	1200.00	3344.00	3344.00	
	<b>Total</b>	<b>3000.00</b>	<b>9642.16</b>	<b>9619.07</b>	
14	P-02-27-2401-51-789-87-51-Scheme for Micro Irrigation/ National Mission on Sustainable Agriculture for Scheduled Caste Farmers				
	SS	60.00	1532.66	1532.66	
	CS	90.00	836.00	836.00	
	<b>Total</b>	<b>150.00</b>	<b>2368.66</b>	<b>2368.66</b>	
	<b>Total MI (General+SCSP)</b>	<b>3150.00</b>	<b>12010.82</b>	<b>11987.73</b>	
15	P-02-27-2401-51-119-69-51-Scheme for National Horticulture Mission				
	SS	4640.00	5923.49	5858.34	
	CS	6960.00	7101.68	7101.68	
	<b>Total</b>	<b>11600.00</b>	<b>13025.17</b>	<b>12960.02</b>	
16	P-02-27-2401-51-789-88-51-Scheme for National Horticulture Mission for Scheduled Caste Farmers				
	SS	840.00	1132.60	1132.60	
	CS	1260.00	1698.90	1698.90	
	<b>Total</b>	<b>2100.00</b>	<b>2831.50</b>	<b>2831.50</b>	
	<b>Total NHM (General+SCSP)</b>	<b>13700.00</b>	<b>15856.67</b>	<b>15791.52</b>	
17	P-02-27-2401-51-119-63-51-Scheme for Horticulture Crop Insurance in Haryana (Sharing Basis) (SB No.63)	1.00	0.0	0	
18	P-02-27-2401-51-119-50-51-Scheme for Silk Samagra Integrated Scheme for Development of Silk Industry (ISDSI)	55.00	55.00	37.70	
19	P-02-27-2401-51-789-84-51-Scheme for Silk Samagra Integrated Scheme for Development of Silk Industry (ISDSI) for Scheduled Caste Farmers	60.00	60.00	23.37	
	<b>Total Part-II (General+SCSP)</b>	<b>16966.00</b>	<b>27982.49</b>	<b>27840.32</b>	
	<b>Grand Total (Part-I + II)</b>	<b>49281.85</b>	<b>46459.81</b>	<b>45522.89</b>	

## **Horticulture Department, Haryana Year 2020-21**

### **Extension program**

The Horticulture Department is in coordination with the Haryana Agricultural University and various research institutes of the country, who provide information to the department by conducting research about fruits, vegetables and new technologies like micro irrigation and polygreen houses. Achievements of horticulture development program is as under: -

#### **Fruit development**

In the year 2020-21, the area under fruits has increased to 71460 hectare, which is 3740 hectare more from the year 2019-20. Similarly, the production of fruits has increased to 1231062 MT under the year 2020-21, which is 33089 MT higher than in the year 2019-20.

#### **Area & Production of fruit crop**

<b>Name of fruit</b>	<b>Achievement 2020-21</b>	
	<b>Area (in Ha.)</b>	<b>Production (MT)</b>
1) Citrus Crops	23316	517828
Mango	9675	113418
Guava	14543	260851
Chiku	1809	22183
Aonla	2152	16363
Other	19965	300419
Total	71460	1231062

### **Production of Fruit Plants**

- Deptt. Of Horticulture is actively working under **Indo-Israel work plan**, Horticulture Department has established four Center of Excellence viz. Center of Excellence for Vegetables, Ghraunda, Karnal; Center of Excellence for Fruits, Mangiana, Sirsa; Center for Sub-tropical Fruits, Ladwa, Kurukshetra; Integrated Bee Keeping Development Center, Ramnagar, Kurukshetra. Apart from this, Centre of Excellence on Semi-arid

Horticulture crops at village Gignow, Block Loharu, District Bhiwani is under progress. In future, establishment of 1 Centre of Excellence on Organic Farming at Hisar is also under consideration.

- Under **State plan**, Horticulture Department has also established centers viz. Potato Technology Centre, Shamgarh, Centre of Excellence for Guava, Bhuna, Multi Crops Demonstration Centre, Barwala, Hisar, High Tech Production Unit at Rohtak and Gurugram; Model Floriculture Centers, Panchkula. Apart from this, Centre of Excellence on Flowers at Munimpur, Distt. Jhajjar and Centre of Excellence on Kharif Onion at Pinangawan, Nuh is under progress.
- Apart from these centers, Department has Govt. Garden and Nurseries, where other demonstration activities are organized.
- This plan scheme has been devised to cater the demands of farmers and to demonstrate technologies with the following aims and objectives:

#### **AIMS & OBJECTIVE:**

The following are the aims and objectives:

1. To study and demonstrate advanced national technologies in horticulture sector at village level with an approach of top to bottom.
2. To study and import advance international technologies in horticulture sector and establish their network at farmer level.
3. To demonstrate technologies at Govt. and farmers field.
4. To train the crop specific specialist in the concerned field.
5. To bridge productivity and quality gap of horticulture produce.
6. To study modern marketing and auctioning system.
7. To produce quality planting material at nurseries and provide them to the farmers.

**Target and achievements of various state gardens and nurseries for the year 2020-21 is as under: -**

(in Rs.)				
Sr.No.	Distt.	Name of Nursery	Target	Achievement
1	Panchkula	Pinjore	1125000	1534155
		GGN Fatehpur	1400000	1711670
2	Yamunanagar	Chhachrauli	500000	742145
3	Kaithal	Cheeka	600000	700000
4	Ambala	GGN Nabipur	400000	83330
5	Kurukshetra	Ratgal	850000	870705

		CSTF Ladwa	2500000	2747695
		IBDC Ramnagar/GGN Ramnagar	18600000	214209
6	Gurugram	GGN Gurugram	300000	634545
		HTGH Gurugram	4000000	12976707
7	Nuh	Pinangwan	1500000	441500
8	Hisar	Hansi	1030000	1115110
		Barwala	500000	525675
9	Sirsa	CEF Mangiana	11000000	18033231
		GGN Sirsa	150000	60500
10	Fatehabad	Bhunna	3400000	2252360
11	Jind	GGN Jind	1000000	1598010
		GGN Kishanpura	500000	390000
12	Panipat	TDC Sewakheri	1250000	180000
13	Karnal	CEV Ghraunda	11000000	29049787
		PTC Shamgharh/Khrindwa	4500000	9071054
		GGN Uchani	70000	75000
14	Rohtak	Samargopalpur	0	0
15	Sonipat	Panchi Gurjran	250000	229000
16	Palwal	Hodal	4000000	15524090
17	Narnaul	Sundrah	4000000	560826
	Total		74425000	101321304

### **Development of Vegetables**

In the year 2020-21, the area under vegetables has increased to 337302 hectare, Similarly, the production of vegetables has increased to 5869236 MT during the year 2020-21.

### **Area and Production of Vegetable Crops**

Name of Vegetables	Achievement 2020-21	
	Area (in Ha.)	Production (MT)
1) Potato	30751	807372
2) Tomato	21362	445173
3) Onion	23713	602345
4) Cucurbits	54176	783528
5) Cauliflower	29024	589975
5) Leafy veg.	36758	464641
Peas	8366	110097
Brinjal	10275	190901
Other	122877	1875204
Total	337302	5869236

### **Production of vegetable plants**

In order to further promote vegetable production in the state of Haryana, farmers are provided with good quality vegetable plants from Vegetable Excellence Center Gharounda (Karnal) Fruit Excellence Centre Mangiana (Sirsa). This year 55.13 lakh vegetable saplings have been provided to farmers on subsidy.

### **Development of spices**

The area under spices increased to 6846 hectares in the year 2020-21, similarly the production of spices increased to 54004 MT under the year 2020-21.

#### **Area and Production of Spices Crop**

Name of Crops	Achievement 2020-21	
	Area (in Ha.)	Production (MT)
1) Ginger	82	750
2) Garlic	3204	31698
3) Fanugreek	905	3775
4) Corriander	1052	1826
5) Other	1603	15955
Total	6846	54004

### **Mushroom Production**

In the year 2020-21, 10139 MT of Mushroom was produced from 1433645 trays.

### **Development of Flowers**

In the year 2020-21, the area under flowers has increased to 1977 hectares, Similarly, the production of flowers in the year 2020-21 is 17616 MT.

#### **Area and Production of flowers Crop**

Name of flower	Achievements 2020-21		
	Area (in Ha.)		Area (in Ha.)
1) Gladiolus	51	0	25.73
2) Merigold	1542	16590	0
3) Rose	79.5	844	53.89
4) Other	304.5	182	60.1
Total	1977	17616	139.72

### **Development of Medicinal and aromatic plants**

In the year 2020-21, the area under Medicinal and aromatic plants has increased to 268 hectares. Similarly, the production of Medicinal and aromatic plants in the year 2020-21 is increased to 253 MT.

## Area and production of Medicinal & Aromatic plants

Name of Medicinal & Aromatic plants	Achievement 2020-21	
	Area (in Ha.)	Production (in MT)
1) Aloe vera	100	65.3
2) Stevia	6.4	0
3) Other	161.6	187.7
Total	268	253

### **Crop Cluster Development Programme (CCDP):**

New scheme namely Crop Cluster Development Program (CCDP) has been launched with budget outlay of Rs. 510.36 crore for a period of three years.. Under this program, in each cluster marketing infrastructure and post-harvest management facilities like pack house, primary processing centre, grading-sorting machine, storage facilities, refer vans, input and quality control facilities shall be created to have forward and backward linkage for effective marketing of horticulture produce.

### **Formation of Farmers Produce Organisation and product clusters:**

To promote collective marketing of horticulture produce, Formation of Farmers Producer Organization (FPOs) has formed. The farmers directly benefited under different govt. schemes.

- Crop Cluster Identified : 393 nos. in 22 districts
- Farmer Producer Organization : 486 FPOs
- Farmers registered : 79792 nos.

### **F.P.O**

For formation and promotion of FPOs a dedicated Scheme has been started during 22 May, 2018. Under this scheme to promote collective marketing of horticulture produce and increasing income of farmer, a total 486 Farmer Producer Organizations had been formed and promoted up to 31.03.2020. Till now about 79792 farmers have been mobilized in these FPOs. For strengthening of these FPOs a budget provision of Rs. 10.00 crore is also earmarked for handholding up to 3year.

To promote high-tech technology among these FPOs a budget of Rs. 19.00 crore has been incurred during 2018-19 and a budget provision of Rs. 20.00 crore has been earmarked. These FPOs are not only marketing its produce on collective basis but also have linkages with markets.

### **Bhavantar Bharpayee Yojana (BBY):**

1. Haryana Govt. has started Bhavantar Bharpayee Yojana (BBY) in the State from 01.01.2018 to incentivize farmers to offset the losses during low prices in the market for perishable horticultural commodities. This is a unique scheme in India. This scheme also encourages the farmers towards diversification and to expand the area under horticulture



crops. Keeping in view of the success of the scheme, now 19 horticulture crops have been included under the scheme. The protected price of each crops has been fixed. The crop wise protected price detail is as under:

Sn.	Crop	Protected Price (Rs. per qtl.)	Sn.	Crop	Protected Price (Rs. per qtl.)
<b>Vegetables</b>					
1	Tomato	500	8	Brinjal	500
2	Onion	650	9	Carrot	700
3	Potato	500	10	Cabbage	650
4	Cauliflower	750	11	Chilli	950
5	Bhindi	1050	12	Capsicum	900
6	Bottle gourd	450	13	Pea	1100
7	Bitter gourd	1350	14	Radish	450
<b>Spices</b>					
15	Turmeric	1400	16	Garlic	2300
<b>Fruits</b>					
17	Mango	1950	19	Kinnow	1100
18	Guava	1300			

- To take the advantage of scheme farmer can register his area and crop on Meri Fasal Mera Byora Portal. If the wholesale price (BBY) rate falls below the fixed rate price, then the amount is paid to the farmer directly into the account of a farmer. Since start of this scheme from January 2018 the season wise detail of disbursement of incentives to the farmers is as under:

Season	Period	Registered Farmers	Area Registered	Farmers benefits		
				Crop	Nos.	Amount (lakhs)
Season-1	1 Jan. to 15 June 2018	4435	10789	Tomato	565	12.08
Season-2	10 Oct. 2018 to 15 June 2019	17970	66351	Potato	3244	919.34
				Cauliflower	169	21.15
Season-3	15 Sep. 2019 to August 2020	36991	84830	Potato	209	59.24
				Tomato	8	23.41
Season-4	1 Sep. 2020 to April 2021	9014	18520	-	-	0.0

2021-22	1 July to till date	-	103227	Bhindi	1	.01
				Chilly	1	.28
				Bitter gourd	13	3.65
				Capsicum	16	2.04
				Tomato	92	16.08
				Cauliflower	92	23.02
				Onion	3	0.06
				Potato	984	319.41
				Kinnow	2	.70
				Mango	4	11.74
<b>Total</b>			<b>265197</b>		<b>5403</b>	<b>1412.22</b>

### **Establishment of Horticulture University:**

To provide quality education linked with enhancing learning outcomes, the work of Maharana Pratap Horticultural University has been started at Karnal along with establishment of three Regional Research Stations in Chansoli (Ambala), B.Raiya (Jhajjar) & Badhana (Jind). The work of boundary wall, earth filling, main gate and precast boundary wall has been completed of main campus at Anjanthali, Karnal. The work of boundary wall, Research farms and building etc. at these Regional Research Stations are under progress.

For this an amount of Rs. 60.15 crore has been released out of total budget outlay of Rs. 486.59 crore. The Post Graduate Courses for students has also been started from academic year 2017-18 and total 20 nos of students for M.Sc. (Hort) and 12 nos of students for Ph.D. (Hort) have been admitted upto academic year 2019-20.

### **Human resource development plan**

In order to increase the yield of the crop and increase the quality of production to the farmers, training and exhibitions are organized by the Horticulture Department in the State on fruits, vegetables and flowers etc. One day State level mango fair at Sub-tropical fruit center Ladwa Kurukshetra and two day mango fair at yadvindra garden, Pinjor first two day Potato fair Shamgarh Karnal, Third two day fruit fair Mangiana Sirsa, six –three day vegetable fair Garaunda, Karnal was done. Farmers and spectators got an opportunity to observe every kind of mango fruit and vegetable. The winning farmers were rewarded on this occasion. His experience in Horticulture Department and experts from Haryana Agriculture University. In the year 2019-20, a total of 12735 Horticulture farmers and officials were provided information by state level training and seminar shows and Horticulture Training Institutes Uchani Karnal and various centers of excellence in the seminar.

### **National Horticulture Mission**

National Horticulture Mission Sharing (60:40) Central Government sponsored scheme was implemented in 19 districts in the state of Haryana during the year 2020-21. Total financial provision was kept of Rs. 17994.35 lakhs. Various components covered under this, such as area expansion under fruits, establishment of big and small modern nurseries, Integrated Pest Harvest Management, flowers, spices, medicinal and aromatic production, rejuvenation of old plants, training of farmers, production of vegetable seeds and

mushroom etc. During the year 2020-21 an amount of Rs. 14170.86 lakhs was spent. details of which is available in Annexure-6.

## 1. Micro-Irrigation and Management of Water Resources

### Special measures

- Major focus on in identified 36 over exploited blocks
- Area limit increased from 5 ha to 10 ha per beneficiary.
- Special assistance @85% in all districts of Haryana for all category of farmers.
- Complete online application process and assistance released as DBT linked with e-ledger account.
- Geo-tagging of each MI system installed at farmer field and GPS based physical verification.

### Projections

An area of 129394 ha has been covered under micro irrigation from 2005-06 to 2019-20 in the State in both Horticulture and Agriculture crops. During the year 2020-21 targets of 40776 ha has been approved under micro irrigation out of which an area of 13519 ha has been covered up to 28.02.2020 in both Horticulture and Agriculture crops. The projections are as under:

Interventions	Unit	2020-21	2022	2030
Drip	hectare	5000	20000	200000
Sprinkler	hectare	7000	30000	300000
Water tank	Number	500	1500	10000
Cluster based water budgeting system	hectare	100	300	10000
Saline water + MI project	Number	1	10	500

The year wise summary of area coverage is as under:

Sr. No.	Year	Drip	Sprinkler	Total
1	Up to 2005-06	3712	24	3736
2	2006-07	812	1864	2676
3	2007-08	1041	6735	7776
4	2008-09	2139	20170	22309
5	2009-10	2468	790	3258
6	2010-11	3900	5254	9154
7	2011-12	2751	5961	8712
8	2012-13	2645	3914	6559
9	2013-14	2504	3860	6364
10	2014-15	1550	1850	3400
11	2015-16	1756	1360	3116
12	2016-17	1158	4624	5782
13	2017-18	2105	8315	10420
14	2018-19	2903	10549	13452
15	2019-20	3070	19610	22680
16	2020-21	2706	10813	13519
<b>Total</b>		<b>37220</b>	<b>105693</b>	<b>142913</b>

**Action Plan 2020-21 and progress:**

- a) As per approved Annual Action Plan of MI scheme and the availability of funds, the progress achieved by both the departments under PDMC is as under:

Sn.	Component	Horticulture		Agriculture	
		Area (ha.)	Financial (Lakh)	Area (ha.)	Financial (Lakh)
1	Drip	1873.61	1355.47	832.03	620.68
2	Sprinkler	4992.73	3520.45	5820.26	1626.98
Total		6866.40	4875.93	6652.29	2247.66

**Importance of community ponds:**

Farmers were encouraged to play 11 percent assistance for constructing community ponds and till the year 2019-20, a total of 3817 community ponds have been built by the farmers under grant on their farms and 304 tanks were built in a year 2020-21.

**Technical demonstration centers:**

8 different technical demonstration centers have been set up by the department to promote the horticulture sector, out of which 4 centers of excellence have been set up in collaboration with the Israel government, which is as follows:

- 1) Subtropical fruit center, Ladwa (Kurukshetra): This center has been set up on 30 acres of land at a cost of 9.10 crore. Different fruits at center such as mango, litchi, chiku, pear, peach, guava, olive, persimmon etc. have been demonstrated by the latest technology at different distances.
  - Display of 28 Mango and 4 root stock at the center.
  - Demonstration of 4 varieties of guava, 7 varieties of pear, 6 varieties of peaches, 2 varieties of plum.
  - Demonstration of 4 varieties of pomegranate and 5 varieties of olive.
- 2) Integrated Bee-keeping development center: In the year 2017-18, Integrated beekeeping development center was inaugurated in Ramnagar of Kurukshetra district on November 10, 2017 at a cost of Rs. 10.50 crore in the area of 25 acres. The main purpose of which is to promote bee-keeping. It is an India Israel scheme. At this center, farmers/beekeepers are imparted training on young subjects of bee- keeping. In addition, the following facilities at this center:
  - Honey processing unit
  - Bee box making unit
  - Beehive unit
  - Honey testing laboratory
  - Bumble bee laboratory

- Honey warehouse
- Bee sales center
- Rest house
- Bee park

3) Potatoes technology center: this center was established in Shamgarh district Karnal on 6 April 2017 at a cost of Rs. 4.25 crore. The main objectives and activities of this center are as follows:

- Potato seed production by micro tuber
- Production of 1 lakh micro plants annually.
- Production of mini tubers at net house.
- Production of 5 lakh mini shoulders of G-0
- Display of kufrikhayti, kufripukhraj and kufri chief gold varieties of potato.
- Demonstration of 16 species, Libha, Peru with international potato center under all India research project.

4) Integrated horticulture development center: this center was established in hodal district palwal on October 13, 2018 at a cost of 4.94 crore. The main objective of this center is to prepare plants for farmers at cheap prices.

**Food Processing Centers:-** These centers have been established in Kurukshetra, Sirsa and Jind in the state, where processing training is imparted free of cost to woman. In the year 2019-20, 3562 training cadres were provided training under 145 training.

Horticulture Training Institute, Uchani, Karnal: This institute was established under World Bank Project in 1998. Here farmers/ students/ officers/ officials' are given free of cost five days trainings. Till the year 2019-20, about 37257 no. of farmers/ students, officers and officials' have been trained. Farmers are also took other states for technical excursions from the state of Haryana. Apart from this, three other programs are being run in this institute:

- One Year Supervisor Diploma Course: upto the year 2019-20, 235 no. of students have been trained, 30 students are imparted in each batch (the classes start from the month of September)
- In the year 2019-20 under the Agricultural Skills Council, 40 student have been trained in 300 gardner certificate course, 280 & organic producer certificate course. This course is conducted under the Indian Council of Agricultural Skills (AAP). In which the passed area is given an organic producer certificate of.

Sn.	Name of component	Achivement (In nos.)	No. of Beneficiaries
<b>1.</b>	<b>Qualification Packs under ASCI (200- 300 hrs)</b>		
i.	Organic Grower	3	60
ii.	Gardener	14	280
iii.	Beekeeping	2	40
<b>2.</b>	Recognition of Prior Learning (RPL)	11	220
<b>3.</b>	Supervisor Diploma Course (for one year)	1	27
<b>4.</b>	Exposure visit for Farmers (Outside state)	8	60
<b>5.</b>	Training if field functionaries (within state)	6	30
<b>6.</b>	Officer's study tour (outside state)	19	40
<b>7.</b>	Within state	6	12
<b>8.</b>	Outside State	8	16
<b>9.</b>	Show	4	9000
<b>10.</b>	<b>Other</b>	0	0
i.	Seminar	1	950
ii.	Mango +Mela at Pinjore Garden	1	2000
	<b>Total</b>	<b>84</b>	<b>12735</b>

#### Protected Cultivation & Vertical Farming:

Sn.	Component	Upto 2019-20	2020-21			
		Phy. (Ha)	Target		Achievement	
			Phy. (Ha)	Fin. (Rs. lakhs)	Phy.	Fin.
1.	Poly House	896.25	1.60	75.92	0	0
2.	Net House	137.00	37.07	1111.23	29.23	654.1
3.	Walk-in-Tunnel	21.00	0.40	18.00	0	0
<b>Total</b>		<b>1054.25</b>	<b>39.07</b>	<b>1205.15</b>	<b>29.23</b>	<b>654.1</b>
4.	Mulching	3543.47	3302.55	1041.06	786.9	208.21
5.	Plastic Low Tunnels	607	523.3	730.59	368	547.5
6.	Bamboo Stacking	2797	428.64	365.48	179.6	165.39
7.	MS-Iron Stacking	0	50	88.13	0	0
<b>Total</b>		<b>6947.47</b>	<b>4304.49</b>	<b>2225.26</b>	<b>1334.5</b>	<b>921.1</b>
8.	High Value Planting Material	1054.25	21.33	15098	17.31	121.45
9.	Replacement of Plastic sheet	33.71	135.51	274.32	2.71	22.61

## 2. Mushroom Cultivation:

Sn.	Component	Upto 2019-20	2020-21 Fin. in lakhs			
		No.	Target		Achievement	
		Phy.	Phy.	Fin.	Phy.	Fin.
1.	Mushroom Production Unit	100	34	316.00	15	71.94
2.	Compost Unit	24	35	328.00	12	51.20
3.	Spawn Unit	84	04	24.00	02	6.00
4.	Mushroom Trays (SCSP)	2,53,533	23264	53.45	10135	24.65
5.	Mushroom Trays (milky/ dhingry/ shitake, etc.):	0	6600	9.90	200	.30
<b>Total</b>		<b>253536</b>	<b>29337</b>	<b>731.35</b>	<b>10364</b>	<b>154.09</b>

## 3. Pollination Support through Beekeeping:

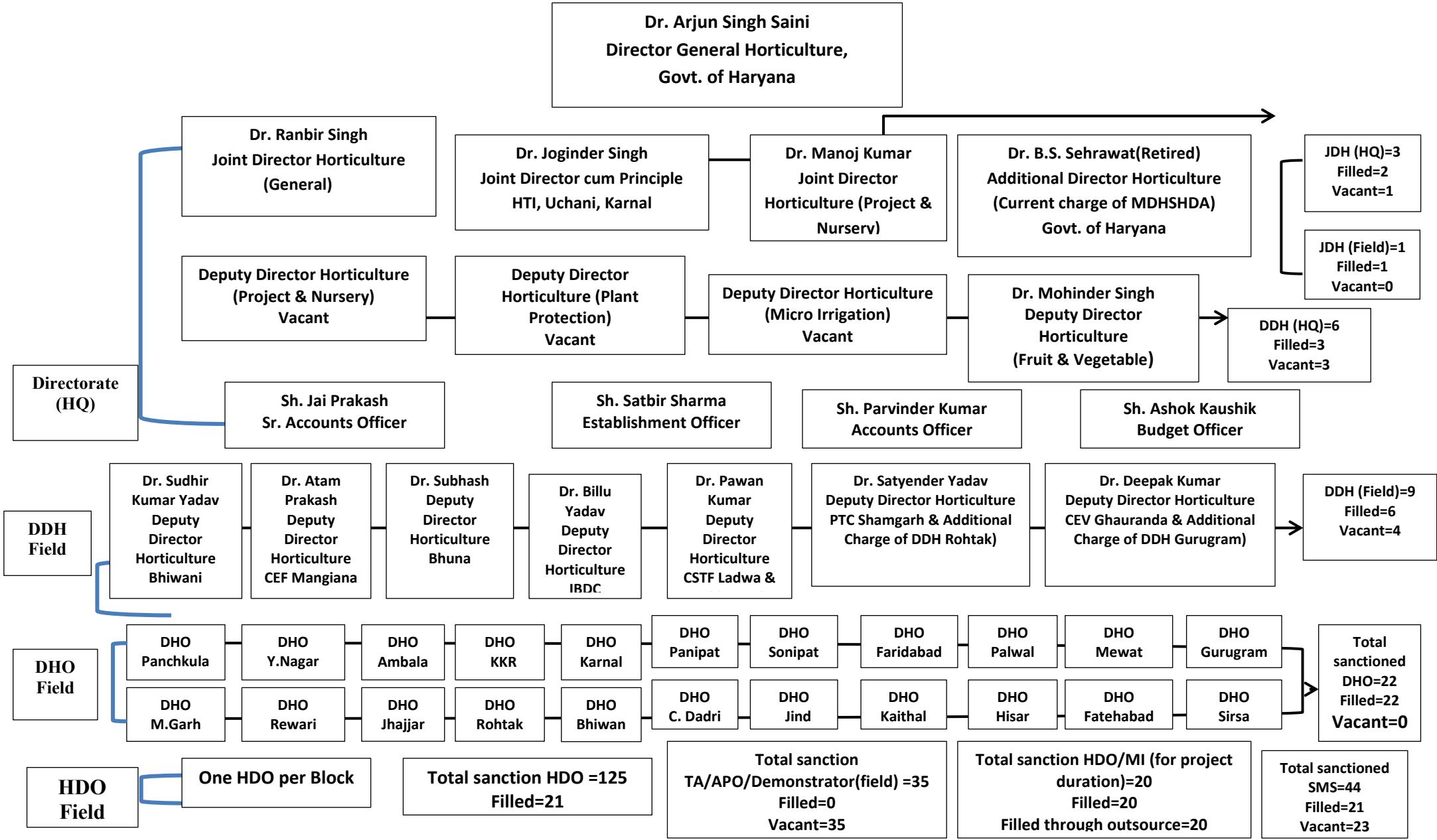
Sn.	Component	Upto 2019-20	2020-21 Fin. in lakhs			
		No.	Target		Achievement	
		Phy.	Phy.	Fin.	Phy.	Fin.
1.	Beehives	1,87,997	5400	54.60	2260	0
2.	Bee-colonies	48,931	5200	52.80	510	459000
3.	Bee-equipment's	39,624	2,70,107	172.48	19,786	0
<b>Total</b>		<b>2,76,552</b>	<b>280707</b>	<b>279.88</b>	<b>22,556</b>	<b>459000</b>

Till the year 2019-20, 4050 water tanks have been constructed and it is a unique integrated model in which Farm /water tank /garden/ vegetable protected Farming has developed by incorporating minor irrigation. 100% on community water tank and on individual tank 50 percent grant is given.

1.60 to 85 percent grant is given on micro irrigation.

2. 50% grant is given on garden planting.

3. 40% grant is given on vegetable cultivation.





## Target &amp; Achievement of fruit crops for the year 2020-21

Area in Ha.  
Production in MT

Sr. No.	Name of districts	Area		Production	
		Target	Achievement	Target	Achievement
1.	Panchkula	1804	1675	29079	22921
2.	Ambala	2802	2632	43046	34839
3.	Yamunanagar	9522	9336	130401	123170
4.	Kurukshetra	1733	1701	31083	31390
5.	Kaithal	688	659	14831	11842
6.	Karnal	3720	3677	51829	53430
7.	Panipat	1615	1667	29858	28676
8.	Sonepat	4933	4823	102313	96616
9.	Rohtak	1402	1374	23507	25738
10.	Jhajjar	2593	3769	43489	72660
11.	Faridabad	1211	1347	28861	31633
12.	Narnaul	2174	2123	49952	48462
13.	Rewari	873	1082	12543	17844
14.	Gurugram	1586	1655	24803	20707
15.	Mewat	5470	3429	77874	18477
16.	Bhiwani	3780	3931	73785	70705
17.	Hisar	5296	4911	74455	60892
18.	Fatehabad	4033	3968	94150	97942
19.	Sirsa	13531	13038	347226	287347
20.	Jind	1560	1870	36585	39613
21.	Palwal	2900	2460	34110	27251
22.	Charkhidadri	349	333	6920	8907
	<b>Total</b>	<b>73575</b>	<b>71460</b>	<b>1360700</b>	<b>1231062</b>

## Target &amp; Achievement of Vegetables crop for the year 2020-21

Area in Ha.  
Production in MT

Sr. No.	Name of districts	Area		Production	
		Target	Achievement	Target	Achievement
1.	Panchkula	8200	4163	221460	64030
2.	Ambala	30500	26727	624855	512852
3.	Yamunanagar	33744	33552	693660	667687
4.	Kurukshetra	19270	19558	448910	444940
5.	Kaithal	9090	7862	178790	137636
6.	Karnal	45600	21260	916710	443505
7.	Panipat	50005	50781	926304	915440
8.	Sonepat	51160	10421	1213649	92633
9.	Rohtak	17850	14506	281230	147117
10.	Jhajjar	13000	8758	207970	107880
11.	Faridabad	5505	5550	109240	95768
12.	Narnaul	7770	7814	148233	97743
13.	Rewari	6800	7587	112715	110693
14.	Gurugram	19670	8221	368970	147153
15.	Mewat	40425	30016	906730	639514
16.	Bhiwani	12505	14935	219300	183570
17.	Hisar	14045	10288	225680	139172
18.	Fatehabad	16010	12595	268404	161182
19.	Sirsa	12600	9617	255190	168883
20.	Jind	14755	14114	344203	307644
21.	Palwal	18720	17688	312840	266001
22.	Charkhidadri	3506	1289	62672	18193
	<b>Total</b>	<b>450730</b>	<b>337302</b>	<b>9047715</b>	<b>5869236</b>

## Target &amp; Achievement of Spices crop for the year 2020-21

Area in Ha.  
Production in MT

Sr. No.	Name of districts	Area		Production	
		Target	Achievement	Target	Achievement
1.	Panchkula	290	344	3435	3476
2.	Ambala	150	105	1470	870
3.	Yamunanagar	2500	2084	29344	20715
4.	Kurukshetra	160	160	1510	1800
5.	Kaithal	500	410	4528	3090
6.	Karnal	1360	1217	19260	9272
7.	Panipat	670	435	6760	2749
8.	Sonepat	1240	80	5166	90
9.	Rohtak	280	220	768	1083
10.	Jhajjar	200	0	1220	0
11.	Faridabad	100	95	545	410
12.	Narnaul	250	180	1365	875
13.	Rewari	225	58	1154	287
14.	Gurugram	50	0	300	0
15.	Mewat	840	0	3317	0
16.	Bhiwani	150	207.6	1035	1444
17.	Hisar	80	87	520	280
18.	Fatehabad	100	177	850	1810
19.	Sirsa	540	185	2905	1038
20.	Jind	975	465	5166	2353
21.	Palwal	240	293	1932	2016
22.	Charkhidadri	100	43.4	350	346
	<b>Total</b>	<b>11000</b>	<b>6846</b>	<b>92900</b>	<b>54004</b>

## Target &amp; Achievement of Flowers crop for the year 2020-21

Area in Ha.  
Production in MT

Production in lacs cut flower

Sr.No	Name of districts	Area		Production			
		Target	Achievement	Target		Achievement	
				(MT)	(lacs cut flower)	(MT)	(lacs cut flower)
1.	Panchkula	63	42.2	500	39.00	334	0.67
2.	Ambala	20	20.4	300	0	309	0
3.	Yamunanagar	137	94	2435	19.12	2426	1.26
4.	Kurukshetra	302	302	3000	6.00	2850	0
5.	Kaithal	25	8.15	350	6.00	15	0.08
6.	Karnal	98	60	1285	21.50	601	2.55
7.	Panipat	178	131	1400	95.00	1475	47.66
8.	Sonepat	1346	316.2	29895	32.00	2190	4.90
9.	Rohtak	30	30	445	0	165	0
10.	Jhajjar	240	16	3600	0	160	0
11.	Faridabad	284	190	1800	113.00	1410	69.50
12.	Narnaul	215	20	1110	100.00	195	0
13.	Rewari	100	30	1400	0	300	0
14.	Gurugram	1775	240	20225	10.00	1640	0
15.	Mewat	200	60	3850	0	900	0
16.	Bhiwani	40	20	600	0	360	0
17.	Hisar	50	11	650	0	45	0
18.	Fatehabad	15	2	80	16.00	5	0
19.	Sirsa	10	3	150	0	70	0
20.	Jind	110	5	1300	90.00	65	0
21.	Palwal	404	376.4	2720	319.50	2101	13.10
22.	Charkhidadri	10	0	170	0	0	0
	<b>Total</b>	<b>5652</b>	<b>1977.35</b>	<b>77265</b>	<b>867.12</b>	<b>17616</b>	<b>139.72</b>

## Target and Achievement of Mushroom for the year 2020-21

Trays in No.  
Production in MT

Sr. No.	Name of districts	Trays		Production	
		Target	Achievement	Target	Achievement
1.	Panchkula	84000	9180	615	68
2.	Ambala	52000	54560	380	382
3.	Yamunanagar	250000	102200	1825	1250
4.	Kurukshetra	154600	160000	1126	1249
5.	Kaithal	58000	57000	425	390
6.	Karnal	135000	90000	985	762
7.	Panipat	310000	310000	2263	2283
8.	Sonepat	600000	430000	4380	2020
9.	Rohtak	2500	2600	19	16.8
10.	Jhajjar	10000	700	73	5.5
11.	Faridabad	16000	17800	116	102
12.	Narnaul	5500	4320	42	35
13.	Rewari	2500	2600	18	28
14.	Gurugram	10000	1200	73	10
15.	Mewat	2000	0	15	0
16.	Bhiwani	1000	800	7	7
17.	Hisar	59800	66000	436	546
18.	Fatehabad	36000	36400	264	382
19.	Sirsa	20000	20500	146	112.7
20.	Jind	33500	63500	244	462
21.	Palwal	2600	4226	18	28
22.	Charkhidadri	0	59	0	0.15
	<b>Total</b>	<b>1845000</b>	<b>1433645</b>	<b>13470</b>	<b>10139.15</b>

**State Wise Yearly Total Progress Report Physical/Financial Targets & Achievements under NHM,  
2020-21**

**State : Haryana**

**Rs. in Lakh.**

Component	Unit	Total			
		Physical Target	Physical Achmt	Financial Target	Financial Achmt
<b>A. Plantation Infrastructure &amp; Development</b>					
1. Production of planting material					
1.1 Nursery & TC Units					
(a) Public sector					
▶ Hi-tech Nursery	No.	1	1	100	100
(b) Private sector					
▶ Small Nursery	No.	2	-	15	-
▶ Setting up New Tissue culture units	No.	3	-	300	-
▶ Hi-tech Nursery	No.	3	-	30	-
1.2 Seed production for vegetable and spices					
(a) Private Sector					
▶ Open pollinated crops	Ha.	400	390.7	49	46.64
2. Establishment of new gardens					
2.1 Fruits					
(a) Strawberry, without Integration					
▶ New Plantation	Ha.	100	71.95	50	35.99
(b) Banana (TC), Pineapple, Papaya, Strawberry, etc., without Integration					
▶ New Plantation	Ha.	25	25	9.38	7.98
▶ 1st Year Maintenance	Ha.	9.4	1.6	1.18	0.2
(c) Papaya, with Integration					
▶ New Plantation	Ha.	2.66	-	1.6	-
(d) Fruit crops other than cost intensive crops using normal spacing, without Integration					
▶ New Plantation	Ha.	7000	4445.46	878.73	463.69
▶ 1st Year Maintenance	Ha.	2865	1647.64	113.05	60.27
▶ 2nd Year Maintenance	Ha.	1670.36	1073.56	64.72	40.61
2.2 Vegetables					
(a) Hybrid Vegetables	Ha.	10805	8527.27	2152.15	1664.52
2.3 Flowers					
(a) Cut Flower					
▶ Small Scale Farmers	Ha.	50	50	20	20
▶ Other farmers	Ha.	50	47	12.5	11.75
(b) Bulbous Flower					
▶ Small Scale Farmers	Ha.	50	40	30	24
▶ Other farmers	Ha.	50	46.6	18.75	17.48
(c) Loose Flower					
▶ Small Scale Farmers	Ha.	150	89.09	24	14.26
▶ Other farmers	Ha.	150	73.58	15	7.37
2.4 Spices					
(a) Seed spices (cumin, fennel, etc)	Ha.	3362	2322.42	378.92	266.09
2.5 Aromatic Plants					

(a) Other aromatic plants	Ha.	100	64.8	16	10.35
3.Mushrooms					
3.1Mushroom Production Unit					
(a) Private Sector	No.	34	28	316	219.53
3.2Spawn making unit					
(a) Private Sector	No.	4	3	24	18
3.3Compost making unit					
(a) Private Sector	No.	33	19	312	113.54
4.Rejuvenation / Replacement of senile plantation, canopy management	Ha.	250	219.4	50	43.88
5.Creation of Water resources					
5.1Community tanks/on farm ponds/on farm water reservoirs with use of plastic/RCC lining					
(a) General Areas	No.	99	72	1747.23	1214.2
5.2Water Harvesting System for individual for storage of water					
(a) General Areas	No.	100	24	80.7	12.24
6.Protected Cultivation					
6.1Green House Structure					
(a) Fan & Pad system (1420/Sq.m.)					
► General Area	Ha.	1	0.63	71	40.89
(b) Fan & Pad system (1400/Sq.m.)					
► General Area	Ha.	6	4.8	420	407.01
(c) Naturally Ventilated					
► Tubular Structure General Area (Rs. 844 Sq.m.)	Ha.	11.25	7.14	527.9	354.39
6.2Shade Net House					
(a) Tubular Structures					
► General Area (Rs. 710/Sqm )	Ha.	125.28	68.15	4339	2108.09
6.3 Cost of planting material of high value vegetables grown in poly house	Ha.	160.85	133.23	1095.28	992.23
6.4 Cost of cultivation of Gerbera & Carnation under poly house/shade net house	Ha.	11	10.53	335.5	307.95
6.5Plastic Mulching					
(a) General Area (Rs. 32,000/ha)	Ha.	2820	1149.84	451.2	183.58
7.Promotion of Integrated Nutrient Management (INM)/ Integrated Pest Management (IPM)					
7.1 Promotion of IPM	Ha.	7000	5278.17	84	63.27
7.2 Promotion of INM	Ha.	4000	2504.84	48	29.99
8.Centre of Excellence for Horticulture	Project	2	2	925.9	923.9
9.Pollination support through beekeeping (Lakh units)					
9.1 Distribution of colonies with hives	No.	12530	8300	100.24	66.4
9.2 Equipment including honey extractor (4 frame), food grade container (30 kg), net, etc.	No.	50	-	4	0.04
10.Horticulture Mechanization					
10.1Tractor (upto 20 PTOHP)					
(a) General Category	No.	100	64	75	40.99

(b) SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	110	67	110	60.75
10.2Power Tiller					
(a) Power Tiller (below 8 BHP)					
► General Category	No.	20	9	8	3
► SC, ST / Small & Marginal / Women / Beneficiaries Farmers	No.	20	11	10	5.3
(b) Power Tiller (8 BHP & above)					
► General Category	No.	50	50	30	20.62
► SC, ST / Small & Marginal / Women / Beneficiaries Farmers	No.	50	47	37.5	24.87
10.3Tractor/Power Tiller (below 20 BHP) driven equipments					
(a) Sowing, Planting Reaping and Digging Equipments					
► General Category	No.	50	50	6	6.36
► SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	50	35	7.5	5.25
10.4Plant Protection Equipment's					
(a) Manual Sprayer: Knapsack / Foot Operated Sprayer					
► General Category	No.	40	-	0.19	-
► SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	40	3	0.24	0.02
(b) Powered Knapsack Sprayer / Power Operated Taiwan Sprayer (capacity 8-12 lts)					
► General Category	No.	50	20	1.24	0.4
► SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	50	29	1.55	0.69
(c) Powered Knapsack Sprayer / Power Operated Taiwan Sprayer (capacity above 12-16 lts)					
► General Category	No.	200	183	6	4.79
► SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	200	172	7.6	6.27
(d) Powered Knapsack Sprayer / Power Operated Taiwan Sprayer (capacity above 16 lts)					
► General Category	No.	50	50	4	2.04
► SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	50	34	5	2.33
(e) Tractor Mounted / Operated Sprayer (below 20 BHP)					
► General Category	No.	10	1	0.8	0.12
► SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	10	2	1	0.3
(f) Tractor Mounted / Operated Sprayer (above 35 BHP) / Electrostatic Sprayer					
► General Category	No.	50	43	25	9.18
► SC, ST / Small & Marginal / Women Beneficiaries / Farmers	No.	50	38	31.5	10.53
11.HRD including Horticulture Institute					
11.1 Training of Field Staffs	No.	-	-	-	-



11.2 Training of Farmers					
(a) Within the State	No.	300	32	15	1.66
11.3 Exposure visit of farmers					
(a) Outside the State	No.	-	-	-	-
11.4 Training / Study tour of technical staff / field functionaries					
(a) Within the State	No.	-	-	-	-
(b) Outside the State	No.	-	-	-	-
<b>B. Integrated Post Harvest Management</b>					
1. Pack houses	No.	321	202	642	348.36
2. Pre-Cooling unit	No.	2	-	17.5	-
3. Cold room (Staging)	No.	2	1	10.5	2.28
4. Cold Storage (Construction, Expansion and Modernisation)					
4.1 Cold Storage units Type 1 – basic type with single temperature zone	No.	4	4	560	442.45
4.2 Cold Storage units Type 2 – multiple temperature zones and basic material handling					
	No.	3	1	518.85	255.32
equipment					
5. Technology induction and modernization of Cold-Chain					
5.1 CA Tents	No.	12	4	336	56.5
6. Refrigerated Transport Vehicles (9 MT)	No.	5	1	45.5	6.57
7. Ripening Chamber					
7.1 General Area	No.	4	4	420	348.83
8. Low Cost onion storage structure (25 MT)	No.	286	167	250.33	146.18
9. Integrated Cold-Chain Supply System	No.	1	1	52.5	52.5
<b>C. Establishment of Marketing Infrastructure for horticultural produce in Govt./Private/Cooperative sector</b>					
1. Terminal Markets	No.	-	-	-	-
2. Retail Markets / outlets (environmentally controlled)					
2.1 General Area	No.	5	2	26.25	10.5
3. Static/Mobile Vending cart/ Platform with cool chamber	No.	150	77	22.5	10.75
<b>D. Mission Management</b>					
1. State & District Mission Offices and implementing agencies for administrative expenses, project, preparation, Computerization, contingency etc.	No.	-	-	865	667.97
2. Institutional Strengthening, hire/purchase of vehicles, hardware/software	No.	-	-	50	27.74

3.Seminars conferences, workshops, exhibitions, Kisan Mela, horticulture shows, honey festivals etc.					
3.1 National Level	No.	-	-	-	-
3.2 State Level	No.	-	-	-	-
3.3 District Level	No.	-	-	-	-
4.Information dissemination through publicity, printed literature etc and local advertisements.	No.	100	52	40	30.05
5.Technical Support Group (TSG)	No.	1	1	50	29.3
6.Promotion of Farmer Producers Organization/FPO/FIG Farmer Interested Groups of 15-20 farmers/ 20 ha, Growers Associations and tie up with Financial Institution and Aggregations.					
6.1 First Year	No.	-	-	112.64	112.65
<b>E. Misc. / Inovative Components not covered above</b>					
1.1.	No.	150000	86700	165	90.04
2.2.	No.	35961	23925	220.41	110.32
<b>Grand Total (Financial Target &amp; Achievement)</b>				<b>20000.03</b>	<b>12844.11</b>