

Information about Department of Horticulture

1. Background Information

Prior to 2005-06, the horticulture programmes were implemented with the staff strength of around 99 personals. For the proper implementation of new schemes like NHM and MI, State Govt. has sanctioned 48 new technical posts viz. one Joint Director Horticulture, two Deputy Directors, five specialists at head quarter and Assistant Project Officers in each NHM district. The APO assists the DHO for proper implementation and follow of the



Directorate Horticulture, Panchkula

schemes. Horticulture Department was bifurcated from Agriculture Department into new department in the Sept. 1990. The Directorate of the Department is located in Udhyan Bhawan, Sector-21, Panchkula and has 21 district offices and 25 Government Garden & Nurseries across the State. These offices provide all the extension services in the field of horticulture. Further, the quality planting material is available in these nurseries.

1.1 Geography & Climate

The State of Haryana is located in the north-western part of India. The river Yamuna flows on the eastern boundary of the State. The Shivalik mountain range flanks the State on its north; the State of Himachal Pradesh is also on its northern side.

On the western side, it is flanked by the State of Punjab. At the southern side, the State is flanked by the Aravalli Hills and the desert of Rajasthan. On the eastern side, Uttar Pradesh is the neighbouring State, which touches it only for a limited length. As soon as one crosses the Yamuna River on the eastern side, one enters Uttar Pradesh.

The total area of the State of Haryana is 44,212 square kilometres. Its total population is 2,10,82,989 as per Census (2001). The State has a geographical area of 43.71 lac ha and occupies 1.35% of the land area of the country. Agriculture contributes 29.4% of the State GDP and employs 71.1% of the workforce. The net sown area is 79% of the total geographical area as compare to the national average of 46%, the gross cropped area is 63.88 lacs ha with a cropping intensity of 146%. Small and marginal farmers account for 10.9% of the total land holding which forms 23.9% of the operated area. The average land holding in the State is 2.13 ha. Irrigation covers 85.8% of the net sown area and the remaining 14.2% is rainfed.

Area wise, Haryana is a moderately large State; all other States of the country are larger (in terms of area) except Kerala, Goa, Mizoram, Nagaland, Sikkim, Tripura, Meghalaya and Manipur. The population of Haryana is more than those of Goa, Arunachal Pradesh, Mizoram, Nagaland, Sikkim, Himachal Pradesh and Kashmir. The climate of Haryana is hot in the summer and markedly cold in winter; maximum temperatures in May and June may exceed 110 °F (43 °C), and in January, the coldest month, low temperatures may drop below the freezing point.

Most of the state experiences arid to semiarid conditions; only in the northeast are conditions relatively humid. Precipitation averages about 18 inches (450 mm) annually, most falling between July and September. Rainfall is varied, with the Shivalik region being the wettest and the Aravali Hills region being the driest. About 80% of the rainfall occurs in the monsoon season (July–September) and sometimes causes local flooding. Although the state has a system of canal irrigation and tube wells, there are chronic drought-prone areas, particularly in the southern and southwestern regions. By contrast, the areas surrounding tributaries of the Yamuna and the Ghaggar are subject to occasional floods.

1.2 Potential of Horticulture

In the year 1966-67 the total area under Horticulture was just 19,170 ha which increased to 4,36,549 ha in the year 2012-13 and at present the total area of horticulture over total cropped area in the State is 6.40 %. The State has a geographical area of 43.71 lac ha and occupies 1.35% of the land area of the country. Agriculture contributes 29.4% of the State GDP and employs 71.1% of the workforce. The net sown area is 79% of the total geographical area as compare to the national average of 46%, the gross cropped area is 63.88 lacs ha with a cropping intensity of 146%. Small and marginal farmers account for 10.9% of the total land holding which forms 23.9% of the operated area. The average land holding in the State is 2.13 ha. Irrigation covers 85.8% of the net sown area and the remaining 14.2% is rainfed. The horticulture growth in brief is highlighted in table-1.

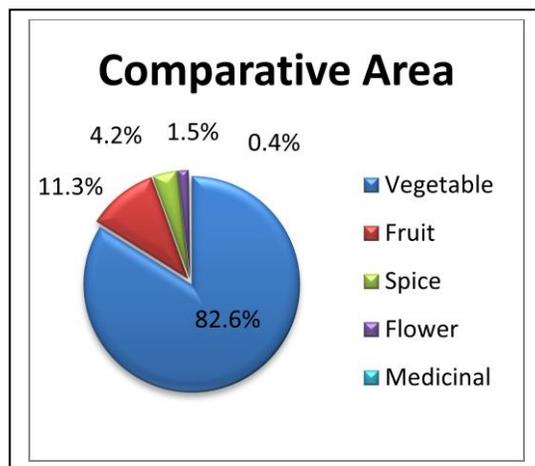
Table-1: Growth of Horticulture in Haryana (area in `000 ha)

Sn.	Year	Geographical area	Cropped area	Area under horticultural crops (cropped area)	%age of horticulture area over cropped area
1.	1966-67	4374	4599	19.17	0.42
2.	1990-91	4374	5919	68.05	1.15
3.	2005-06	4374	6509	277.5	4.30
4.	2008-09	4374	6509	355.52	5.5
5.	2009-10	4372	6458	364.37	5.64

6.	2010-11	4371	6500	415.93	6.40
7.	2011-12	4371	6500	429.97	6.61
8.	2012-13	4371	6500	436.55	6.71

The potential exists to cover atleast 10% area under horticulture out of total cropped area in the State.

There is very differential increase in area among fruits and vegetables in the State. Being proximity to the National Capital, the area under vegetable has shown tremendous growth and farmers are getting remunerative prices of their produce. The area under vegetable is 82.6% of the total area under horticulture. The comparative area %age is shown in pie chart and area under different crops is as under:



Sr. No.	Crop	Area	Production
1	Fruits	49536	516070
2	Vegetables	360339	5011311
3	Flowers	6470	65996
4	Spices	18454	94800
5	Medicinal & Aromatic	1750	1135
	Total	436549	5689312
6	Mushroom (Trays)	1449455	8620

1.3 Land Availability

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There is very differential increase in area among fruits and vegetables in the State. Being proximity to the National Capital, the area under vegetable has shown tremendous growth and farmers are getting remunerative prices of their produce. The comparative area is shown in pie chart. Out of total area of 436549 ha, the area under vegetable is 360339 ha, fruits 49536 ha spices 18454 ha, flower 6470 ha and under medicinal and aromatic plants is 1750 ha during the year 2012-13.