

Review Of Horticultural Crops In India With Reference To Different Year

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Abstract - This research paper is related to the horticultural crops of india in which I have blooded it with reference to the years 1991-92 to year 2014-15. Under which the major horticultural crops of india, fruits, vegetables and its field production, productivity are also explained. In addition, I have also explained the area production and productivity of planting crops and spice crops and the percentage of participation in fruit production in the year 2013-14 of various states of india under fruit production participation, the percentage of participation in post production is started. Including the above topics, I have briefly described this research paper and tried to make title clear. (Alli, Mohammad 1979)

Introduction

India is an agriculture country. That is why I have told about some major horticultural crops of india such as fruit vegetables, flower, etc. horticultural crops are grown in almost all the states of india. Major horticultural crops, like tamilnadu, Maharashtra, gujrat, andhrapradesh, uttarpradesh etc. Those who produce the most crops, Maharashtra has the highest percentage of fruit production in these states 15% in the production of fruit and 12% in andhra Pradesh, tamilnadu has 16% flower cultivation but compared to the regions shown in the table. It has been said that andhra Pradesh has more fruit and vegetable in comparison to the given areas 21%, 23% and 17% are cultivated respectively i.e. horticultural crops are grown in india in all regions in which the climate is favorable, so in this paper only about horticultural crops have been research. (Ayyar N.P. 1961)

Related Word/Review of Research paper

In this research paper, it would be appropriate to say that from the related work and critical point of view, india is also known for horticultural crops. This has been done on the major horticultural crops produced in india. The completion of the title in the research paper through tables and diagrams in different years. All efforts have been made to clarify. There is no dot which is title described or is such a crop whose market in india as well as in the world.

Data and Method

In completing the research paper, I Annual report 2018-19 agriculture census 2010-11, phase-2 and taking the help of reference books using descriptive explanatory and comparative methods, this research paper has been completed.

Proposed Work/Objectives

1. To make aware of the condition of horticultural crops in india in different years.
2. To make aware of all the crops related to horticulture.
3. Providing information on horticultural crops in different regions of india.
4. Use and role of horticultural crops in india.
5. The changing nature of horticultural crops in india.
6. Currently importance of horticultural crops.
7. To familiarize the areas of horticultural crops in india.
8. Status and horticulture of horticultural crops in different state of india.

Study Area

The study area of this paper is all over india. Under this, the production and productivity of horticultural crops in all the state of india includes the horticultural crops under it in the years 1991-92 to year 2014-15.

Acknowledgment

I express my gratitude to my mentor who made me worthy of this and helped me a lot in completing this research paper and the Madhya Pradesh government which is so developed that it wants to know and the last one to provide its last I am grateful to these who continuously erase the agriculture data that we all get.

Results and Analysis

After studying about horticultural crops in india, this result has come out as shown in table-1 about fruits under horticultural crops is shown. It has the highest year 2013-14 under the sector these is an area of 7216 hectares and the maximum production is also in this year itself which is 88977 hectares. Similarly maximum production has also been done in the year 2014-15 which is 1397 hectare and minimum area production and productivity has been achieved in the year 1991-92. (Bandila, R.K. 1991)

Similarly, under the crops of vegetables and flower displayed in table-2 and table-3 area production and productivity are also highest in the year 2013-14 according to table-1 and the minimum is shown in the year 1991-92 similarly from table-4 to table-6 the highest area production and productivity and minimum year 1991-92 are visible talking about table-7, Maharashtra(15%), has the highest percentage of fruit production participation and the lowest percentage is in west Bengal(3%) west Bengal(14%) and telangana(0) have the highest percentage of participation in vegetable production and tamilnadu(16%) and uttar Pradesh(4%) have the lowest percentage of participation in the production of flower. It would be fair to say that whether it is the matter of production or the matter of productivity it is fair to say the conclusion there has been a steady growth from the year 1991-92 to the year 2014-15 that is ever since the horticulture agriculture started, there has been a steady growth in the area. It is really seen that in any crops there is a continuous increase in the interval of so many year. We can say that there is continuous progress in the field of horticulture in India and the country is moving towards progress in this field. (Chakravarti, A.K. 1970)

TABLE-1 Fruits Area, Production, and Productivity of Major Horticultural Crops of India (Fruits)
 (Area:-'000 Hectare, Production:-'000 Tonnes, Productivity:-Tonnes/Hectare)

S.No.	Year	Fruit		
		Area	Production	Productivity
1	1991-92	2874	28632	9.96
2	2001-02	4010	43001	10.72
3	2002-03	3788	45203	11.93
4	2003-04	4661	45942	9.86
5	2004-05	5049	50867	10.07
6	2005-06	5324	55356	10.40
7	2006-07	5554	59563	10.72
8	2007-08	5857	65587	11.20
9	2008-09	6101	68466	11.22
10	2009-10	6329	71516	11.30
11	2010-11	6383	74878	11.73
12	2011-12	6705	76424	11.40
13	2012-13	6982	81285	11.64
14	2013-14	7216	88977	12.33
15	2014-15	6358	88819	13.97

Source:-Horticulture in Statistics and Glance, 2015, Ministry of Agriculture Farmers Welfare, Indian Government. Under this table, I have described the area, production and productivity under fruits in the context of India in the year 1999-92 to 2014-15.

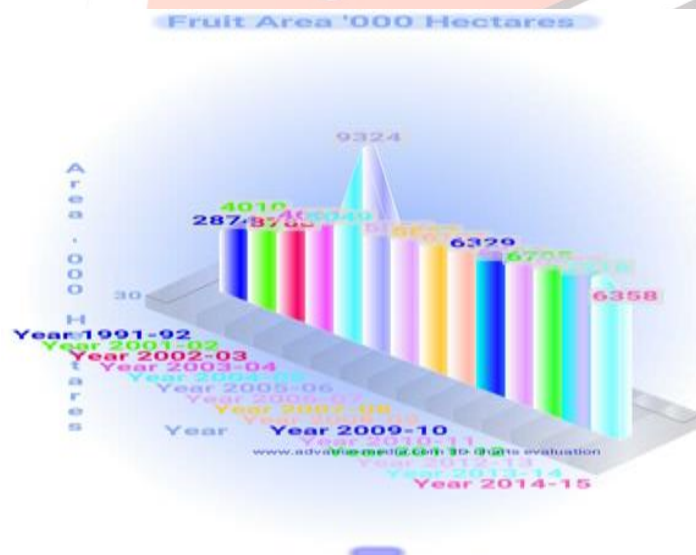


FIGURE-1.1 Fruits Area, of Major Horticultural Crops of India (Fruits) '000 Hectare

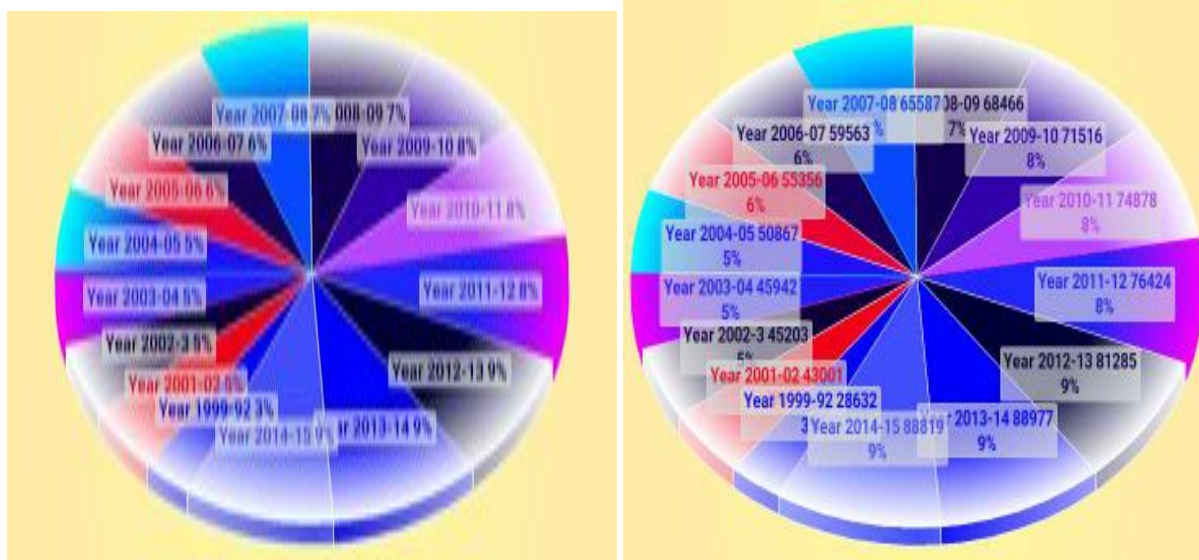


FIGURE-1.2 Fruits Production ,of Major Horticultural Crops of India(Fruits) Tonnes
 FIGURE-1.3 Fruits Productivity ,of Major Horticultural Crops of India(Fruits) Tonnes/Hectare

TABLE-2 Vegetables Area, Production ,and Productivity of Major Horticultural Crops of India(Vegetables)
 (Area:-'000 Hectare,Production:-'000 Tonnes,Productivity:-Tonnes/Hectare)

S.No.	Year	Fruit		
		Area	Production	Productivity
1	1991-92	5593	58532	10.47
2	2001-02	6156	88622	14.40
3	2002-03	6092	84815	13.92
4	2003-04	6082	88334	14.52
5	2004-05	6744	101246	15.01
6	2005-06	7213	111399	15.44
7	2006-07	7581	114993	15.17
8	2007-08	7848	128499	16.37
9	2008-09	7981	129077	16.17
10	2009-10	7985	133738	16.75
11	2010-11	8495	146554	17.25
12	2011-12	8989	156325	17.39
13	2012-13	9205	162187	17.62
14	2013-14	9396	162897	17.34
15	2014-15	9541	168300	17.64

Source:-Horticulture in Statistics and Glance,2015,Ministry of Agriculture Farmers Welfare,Indian Government.

Under this table,I have described the area, production and productivity under vegetables in the context of india in the year 1999-92 to 2014-15.

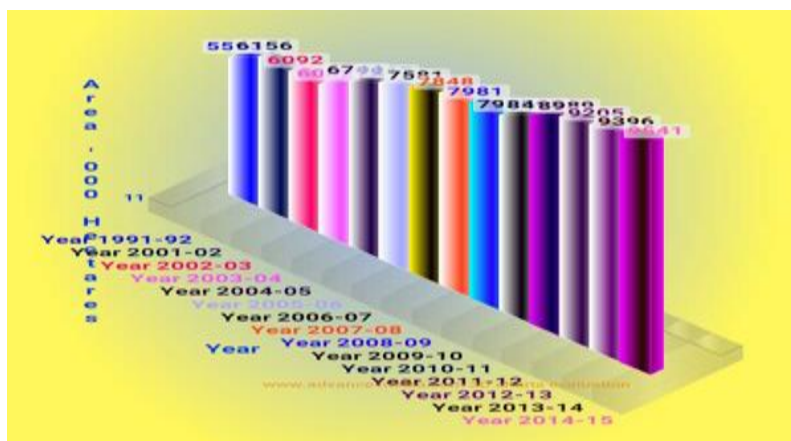


FIGURE-2.1 Vegetables Area, of Major Horticultural India

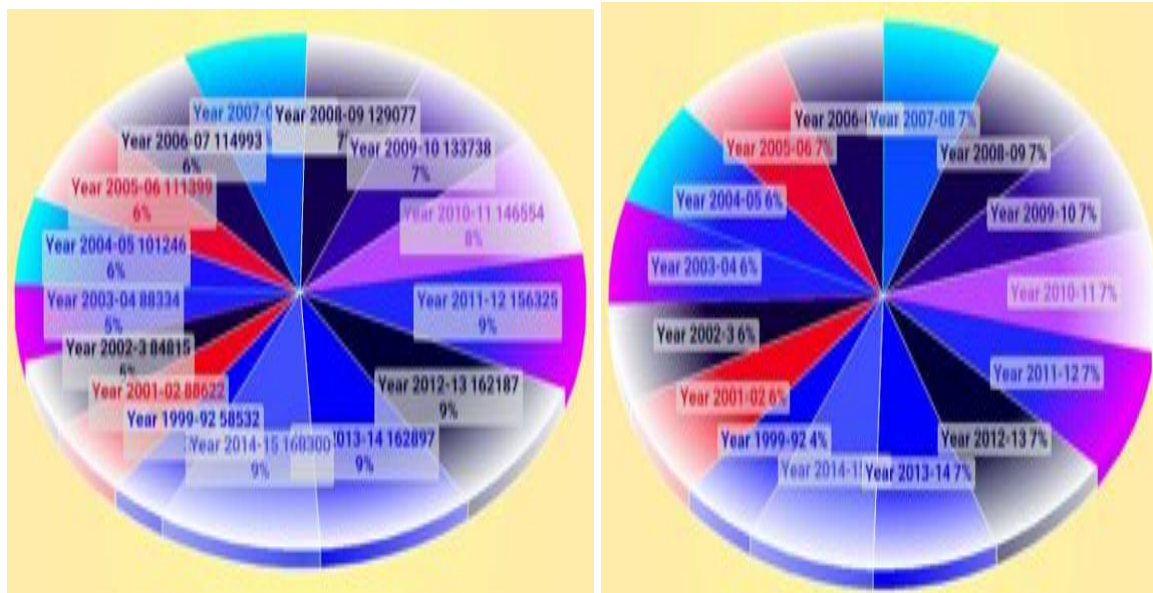


FIGURE-2.2 Vegetables Production of Major Horticultural India
 FIGURE-2.3 Vegetables Productivity of Major Horticultural India

TABLE-3 Flower Area, Production, and Productivity of Major Horticultural Crops of India(Flower)
 (Area:-'000 Hectare,Production:-'000 Tonnes,Productivity:-Tonnes/Hectare)

S.No.	Year	Fruit		
		Area	Production	Productivity
1	1991-92	00	00	0.0
2	2001-02	106	535	5.05
3	2002-03	70	735	10.50
4	2003-04	101	580	5.74
5	2004-05	118	659	5.58
6	2005-06	129	654	5.07
7	2006-07	144	880	6.11
8	2007-08	166	868	5.23
9	2008-09	167	987	5.91
10	2009-10	183	1021	5.58
11	2010-11	191	1031	5.40
12	2011-12	760	2218	2.92
13	2012-13	790	2647	3.35
14	2013-14	748	3192	4.27
15	2014-15	816	3233	3.96

Source:-Horticulture in Statistics and Glance,2015,Ministry of Agriculture Farmers Welfare,Indian Government.

Under this table,I have described the area, production and productivity under vegetables in the context of india in the year 1999-92 to 2014-15.

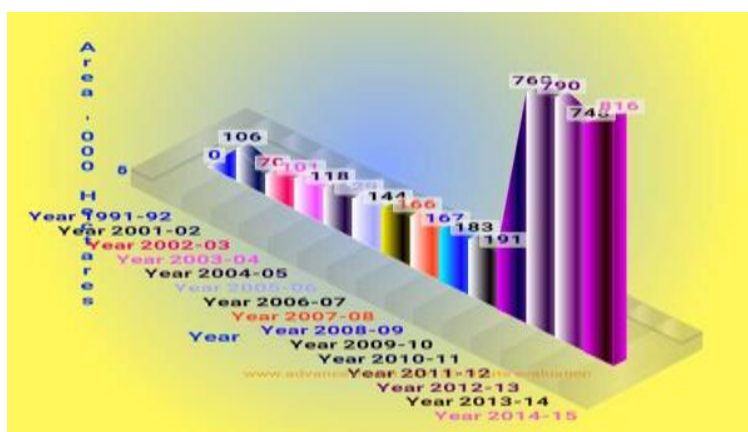


FIGURE-3.1 Flower Productivity of Major Horticultural India

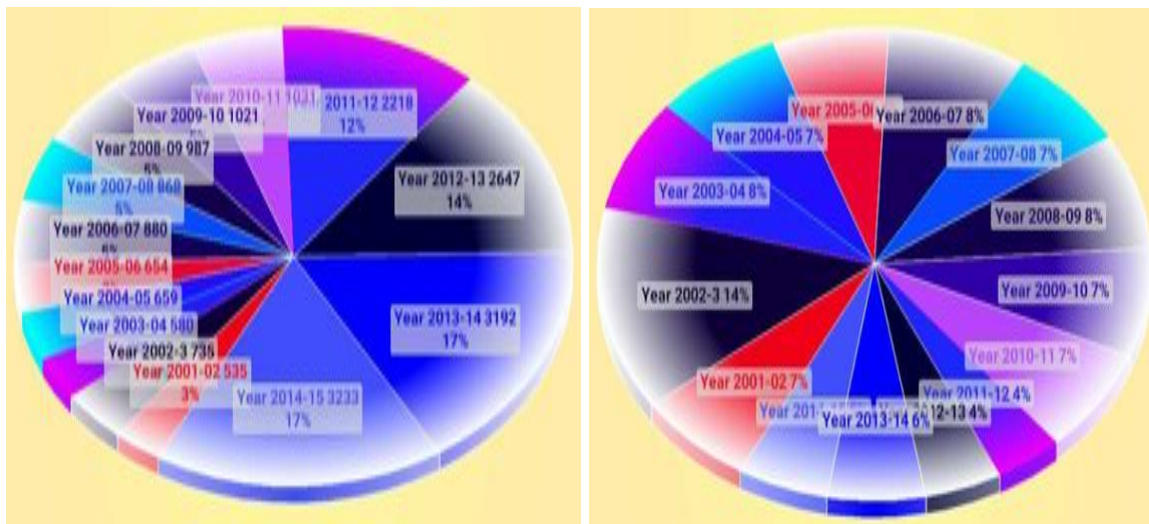


FIGURE-3.2 Flower Productivity of Major Horticultural India
 FIGURE-3.3 Flower Productivity of Major Horticultural India

TABLE-4 Planting Crops Area Production and Productivity of Major Horticultural crops and total Horticultural Crops of India

(Area:-'000 Hectare,Production:-'000 Tonnes,Productivity:-Tonnes/Hectare)

S.No.	Year	Fruit		
		Area	Production	Productivity
1	1991-92	2298	7498	3.26
2	2001-02	2984	9697	3.25
3	2002-03	2984	9697	3.25
4	2003-04	3102	13161	4.24
5	2004-05	3147	9835	3.13
6	2005-06	3283	11263	3.43
7	2006-07	3207	12007	3.74
8	2007-08	3190	11300	3.54
9	2008-09	3217	11336	3.52
10	2009-10	3265	11928	3.65
11	2010-11	3306	12007	3.63
12	2011-12	3577	16359	4.57
13	2012-13	3641	16985	4.66
14	2013-14	3675	16301	4.44
15	2014-15	3538	17131	4.84

Source:-Horticulture in Statistics and Glance,2015,Ministry of Agriculture Formers Welfare,Indian Government.

Under this table,I have described the area, production and productivity under planting crops in the context of india in the year 1999-92 to 2014-15.

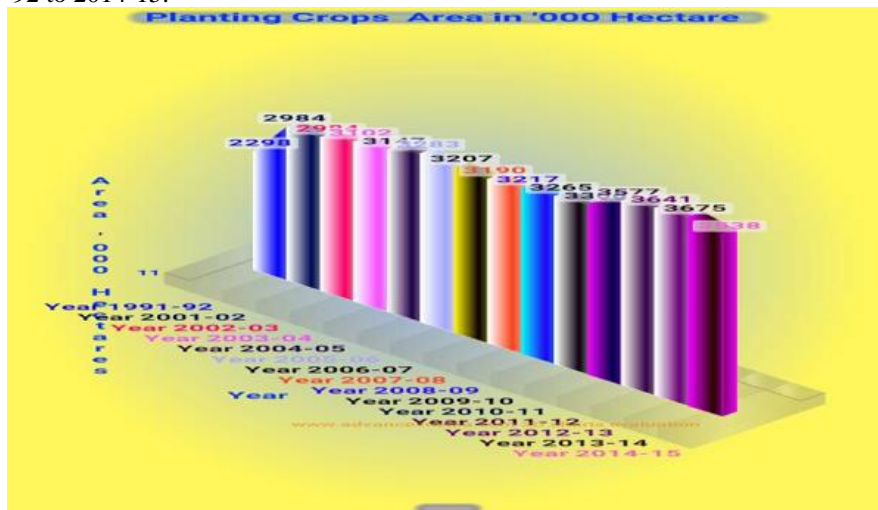


FIGURE-4.1 Planting Crops Area of Major Horticultural India

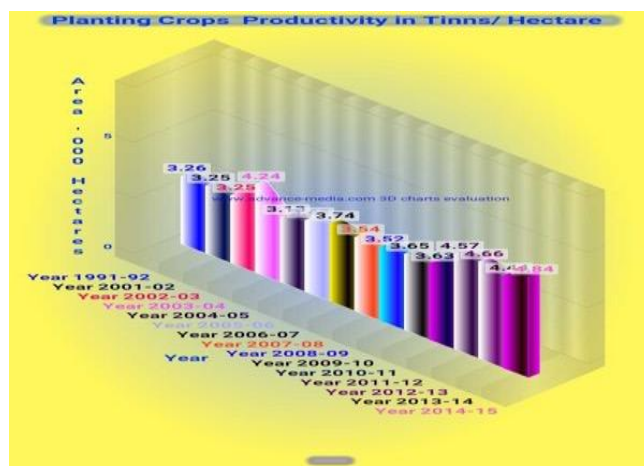
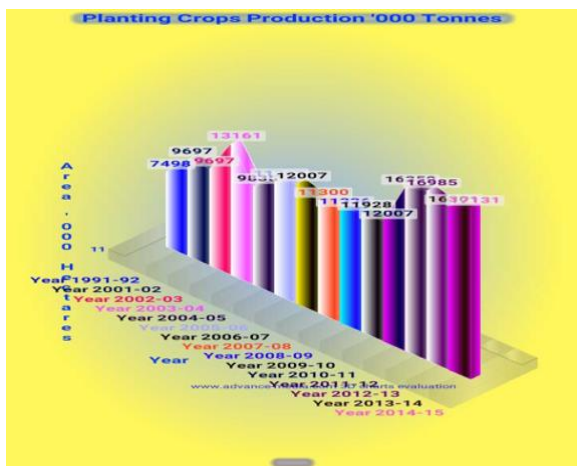


FIGURE-4.2 Planting Crops Production of Major Horticultural India
 FIGURE-4.3 Planting Crops Productivity of Major Horticultural India

TABLE-5 Spices Area Production and Productivity of Major Horticultural crops and total Horticultural Crops of India

(Area:-'000 Hectare,Production:-'000 Tonnes,Productivity:-Tonnes/Hectare)

S.No.	Year	Fruit		
		Area	Production	Productivity
1	1991-92	2005	1900	0.95
2	2001-02	3220	3765	1.17
3	2002-03	3220	3765	1.17
4	2003-04	5155	5113	0.99
5	2004-05	3150	4001	1.27
6	2005-06	2366	3705	1.57
7	2006-07	2448	3953	1.61
8	2007-08	2617	4357	1.66
9	2008-09	2629	4145	1.58
10	2009-10	2464	4016	1.63
11	2010-11	2940	5350	1.82
12	2011-12	3212	5951	1.85
13	2012-13	3076	5744	1.87
14	2013-14	3163	5908	1.87
15	2014-15	3163	5908	1.87

Source:-Horticulture in Statistics and Glance,2015,Ministry of Agriculture Formers Welfare,Indian Government.

Under this table,I have described the area, production and productivity under spices in the context of india in the year 1999-92 to 2014-15.

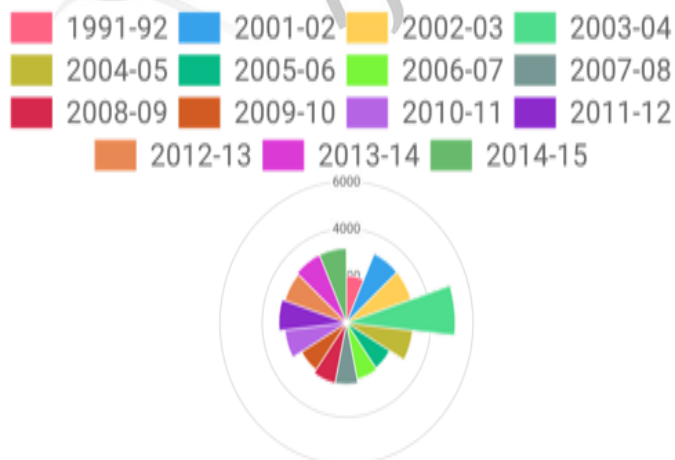


FIGURE-5.1 Spices Area of Major Horticultural India

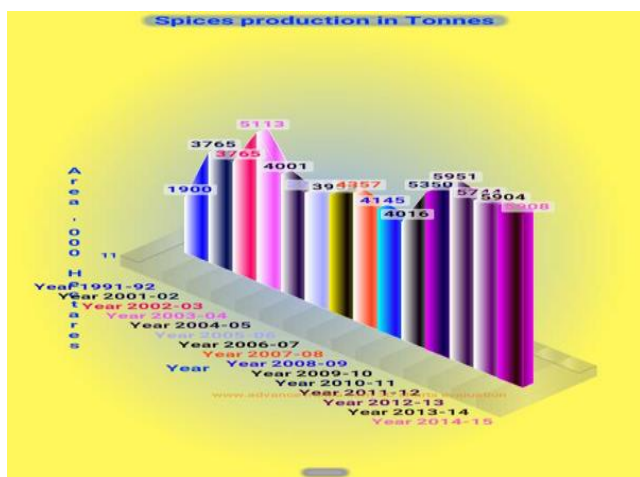


FIGURE-5.2 Spices Production of Major Horticultural India

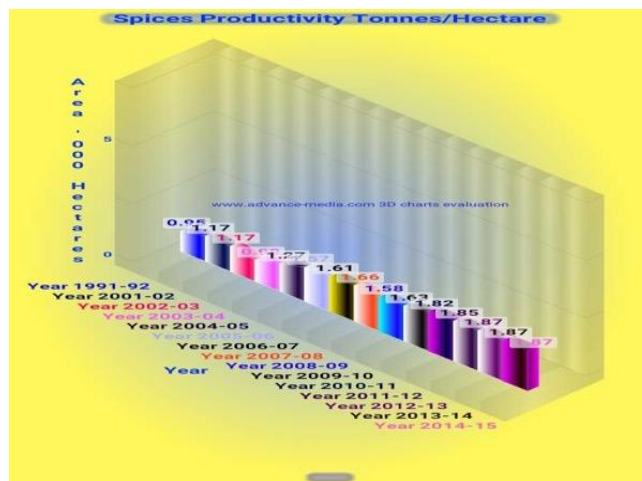


FIGURE-5.3 Spices Productivity of Major Horticultural India

TABLE-6 Total Horticultural Crops Area Production and Productivity of Major Horticultural crops and Total Horticultural Crops of India

(Area:-'000 Hectare,Production:-'000 Tonnes,Productivity:-Tonnes/Hectare)

S.No.	Year	Fruit		
		Area	Production	Productivity
1	1991-92	12770	96562	7.56
2	2001-02	16592	145785	8.79
3	2002-03	16270	144380	8.87
4	2003-04	19208	153302	7.98
5	2004-05	18445	166939	9.05
6	2005-06	18707	182816	9.77
7	2006-07	19389	19813	9.89
8	2007-08	20207	211235	10.45
9	2008-09	20662	214716	10.39
10	2009-10	20876	223089	10.69
11	2010-11	21825	240531	11.02
12	2011-12	23243	257277	11.07
13	2012-13	23694	268848	11.35
14	2013-14	24198	277352	11.46
15	2014-15	23417	283468	12.11

Source:-Horticulture in Statistics and Glance,2015,Ministry of Agriculture Farmers Welfare,Indian Government.

Under this table,I have described the area, production and productivity under total horticultural crops in the context of india in the year 1999-92 to 2014-15.

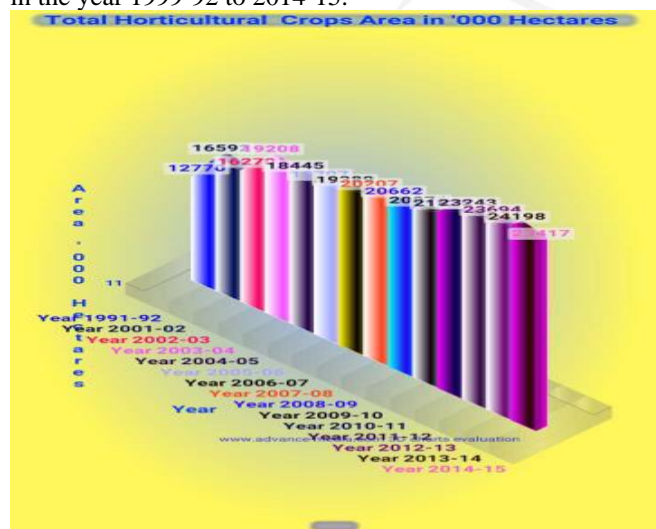


FIGURE-6.1 Total Horticultural Crops Area of Major Horticultural India

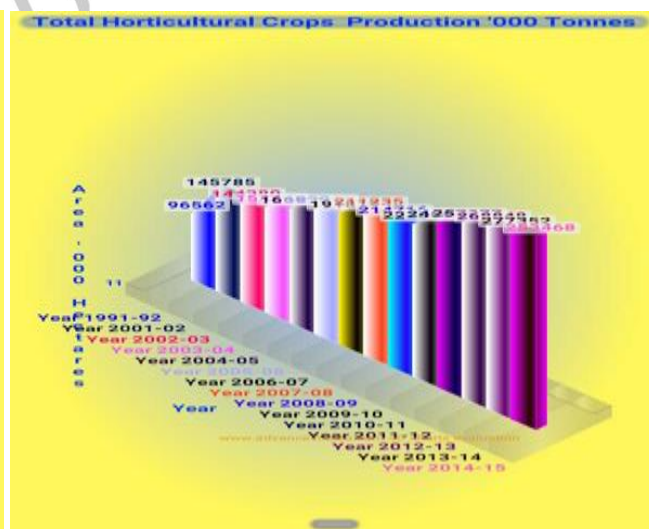


FIGURE-6.2 Total Horticultural Crops Production of Major Horticultural India



FIGURE-6.3 Total Horticultural Crops Productivity of Major Horticultural India

TABLE-7 Participation in Various States of India in Fruits, Vegetable and Flower Production

S.No.	State	Percentage of Participation in Fruit Production	Percentage of Participation in Vegetable Production	Percentage of Participation in Flower Production
1	Tamilnadu	8%	5%	16%
2	Bihar	5%	9%	8%
3	Karnataka	8%	5%	12%
4	Other	21%	23%	17%
5	Maharashtra	15%	6%	7%
6	Gujrat	9%	7%	7%
7	Telangana	5%	-	-
8	Andrapradesh	12%	5%	7%
9	West-Bengal	3%	14%	9%
10	Uttar Pradesh	8%	12%	4%
11	Madhya Pradesh	6%	8%	9%
12	Orissa	-	6%	4%

Source:-Horticulture in Statistics and Glance,2015,Ministry of Agriculture Formers Welfare,Indian Government.

In this table,I have shown the participation in fruit, vegetable, and flower production of different states of india under the year 2013-14.In this the percentage of participation in fruit, production has been displayed and the percentage of participation in flower production has been displayed.

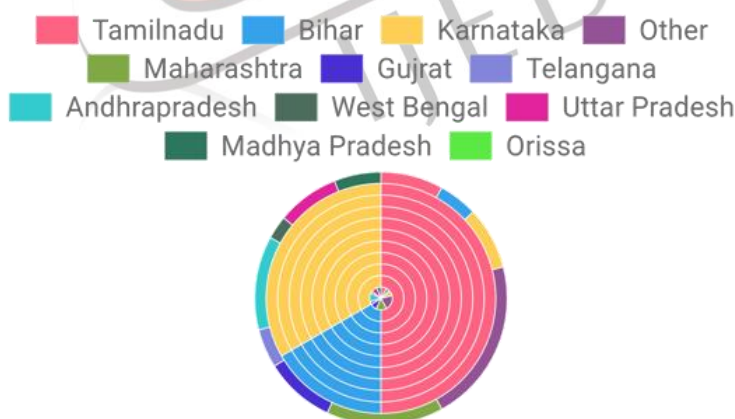


FIGURE-7.1 Percentage of Participation in Fruit Production

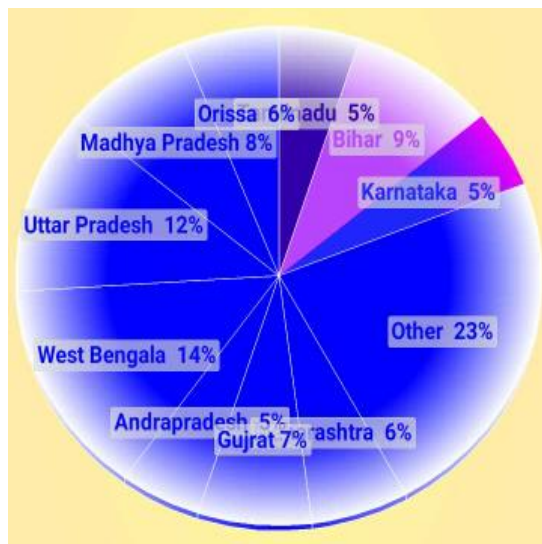


FIGURE-7.2 Percentage of Participation in Vegetable Production

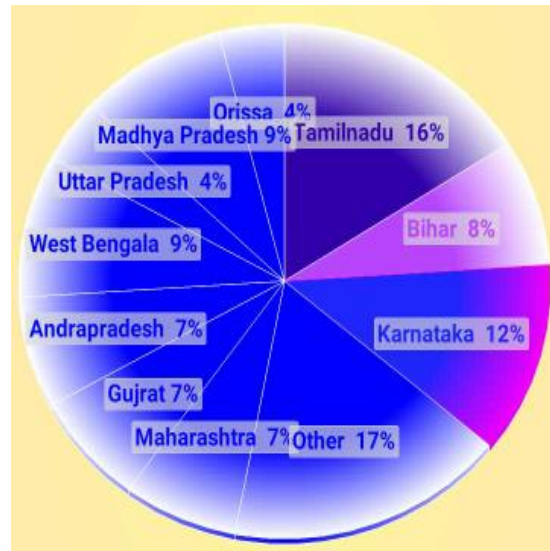


FIGURE-7.3 Percentage of Participation in Flower Production

Discussion

If you consider the research paper done on this title then it has been found that the future of horticultural agriculture in India is good. Because during research, I have found that in years from 1991-92 to year 2014-15 there has been a steady growth in the field of horticulture. Therefore, I think India should move towards more development in this area.

Recommendation

When I asked my colleagues on the title in this paper they said that this picture is very good. Research work should be done on this area and they have also inspired me to do research work on this subject therefore, I recommend about this area that there should be development in this area.

Conclusion

In conclusion it is only fair to say that there are many more heads in the field of horticulture in India that we can develop ourselves and our country because there has been continuous growth in this field. There is no year in which there is no growth only a few years or two have seen negative results. But that is a nominal difference. It would be fair to say that the development of the country in the field of horticulture in India is certain. If this is done with more careful and careful decision then this area will prove to be helpful in the development of the country.

References

- [1] Agrawal, P.C. "Measurement of Agriculture Efficiency in Bastar District, Asia", publishing House, Delhi, pp, 59-60. 1960.
- [2] Akhtar, R., "Agricultural Land use and Nutrition in Greater Himalayas", pp, 74. 1974.
- [3] Ali Mohammad, "Studies in Agricultural Geography", Rajesh publication, New Delhi, pp, 40-42. 1978.
- [4] Ali Mohammad, "Dynamics of Agricultural Development in India", concept publishing House, New Delhi, pp, 70-71. 1979.
- [5] Ahluwalia, M.A., "Rural poverty and Agricultural performance in India", Journal of Development studies, pp, 80-81. 1978.
- [6] Ayyar, N.P., "The Agricultural Geography of the upper Narmada Basin Unpublished", PhD. Thesis, Sagar University, pp, 94, 97. 1961.
- [7] Ayyar, N.P. and Shrivastav, S., "Land use and Nutrition in Devas Basin M.P. India", pp, 40-49. 1968.
- [8] Ayyar, N.P., "Crop Regions of Madhya Pradesh, Geographical Review of India", pp, 20-27. 1969.
- [9] Ali Mohammad, "Food and Nutrition in India", K.B. publication, New Delhi, pp, 102-104, 1977.
- [10] Ansari, S., "Spatial Variation in Levels of socio-economics Development of Ontario", New perspective in Geography, Allahabad, pp, 104-110, 1981.
- [11] Beker, O.E., "Population Food supply and American Agriculture Geographical Review", pp, 10-15. 1928.
- [12] Bholia, G.S. and Alagh, Y.K., "Performance of Indian Agriculture, sterling", publication, New Delhi, pp, 18-20. 1979.
- [13] Blyn, G., "Measurement of growth Rate in Agriculture", Indian Journal of Agricultural Economics, pp, 40-47, 1967.
- [14] Bhatia, B.M., "Poverty Agriculture and Economic", Growth, Vikash publication, New Delhi, pp, 9-11, 1977.
- [15] Burk, M.C. and Ezekiel, M., "Agricultural Development in Economic" Growth, Cornell University press, pp, 51-61, 1970.
- [16] Brown, D.D., "Agricultural Development in India's Districts", Harvard University Press, pp, 78-91. 1971.
- [17] Basu, S.R., "Development of water Resources of North-Eastern Region of India", pp, 71-72, 1979.
- [18] Byress, T.J., "The Dialectics of India's Green Revolution, south Asian Review", pp, 114-116, 1972.
- [19] Chouhan, T.S., "Agricultural Geography", Jaipur, pp, 47, 1987.
- [20] Chadha, R.S., "Growth rates in Agriculture, Agricultural Situation in India, pp, 78-79, 1967.
- [21] Chatterjee, Nondini, "Methods for crop combination in regions of west Bengal Indian" Journal of Land scap System, pp, 40-41, 1986.

- [22] Dharandhar, K.P., "Soil Structure of Madhya Pradesh", The Indian Geographical Review, pp, 30-31, 1974.
- [23] Dubey, R.S., "Agricultural Geography, Issues And Applications", Gyan publishing, New Delhi, pp, 3-37, 1987.
- [24] Government of India, "The Food statistics of India, Department of Food", New Delhi, pp, 40-70, 1946.
- [25] Hayami-yujiro and Vernon Ruttan, "Agricultural Development", John, Hopkins, Press, pp, 29-30, 1977.
- [26] Hunter, G.ed., "Agricultural development and Rural", Poor, Concept publication company, New Delhi, pp, 19-20, 1978.
- [27] Harvey, D.W., "Theoretical concepts and the Analysis of Agricultural land use patterns in Geography", pp, 10-11, 1966.
- [28] Iserma, P.J. and Singer, H.O., "Food Aid Its potential Disincentives to Agriculture Development Digest", pp, 108-118, 1977.
- [29] Johi, Y.G., "The patterns of Agriculture in the Narmada River Basin, India", New Delhi, pp, 40-41, 1968.
- [30] Jain, S.C., "More Food Through Controlled Agriculture.", Kitab Mahal, Allhabad, pp, 40-81, 1967.
- [31] Lekhi, R.K., "Technological Revolution in Agriculture", classical publication, New Delhi, pp, 4-42, 1984.
- [32] Mellor, J., "The Economics of Agricultural Development", pp, 37-38, 1967.
- [33] Morgan, W.B., "Agriculture in the Third world", westview press, pp, 37, 39, 1978.
- [34] NCAER, "Cropping patterns in Madhya Pradesh", National council of Applied Economic Research, New Delhi, pp, 12-18, 1967.
- [35] Stamp, L.D., "The Land Utilisation Survey of Britain", Geographical Journal, pp, 8-9, 1931.
- [36] Stamp, L.D., "The Measurement of Land Resources", Geographical Review, pp, 7-8, 1958

