

SMALL SCALE STUDY AGRICULTURE IN MADHYA PRADESHG

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Abstract: *In this paper, I have done a brief research related to agriculture of Madhya Pradesh and in this paper I have studied basic information of Madhya Pradesh like total geographical area, forest net available for cultivation etc. and some major crops of Madhya Pradesh in the year 1999-00 and year by showing the percentage change in the context of year 2009-10 the percentage change in the above years has been demonstrated in the state by which it will be know that what is the change in agriculture in Madhya Pradesh. (Joshi Mishra, 2007)*

I have taken this paper as well as the appropriate reference, along with the introduction, data and method, objectives, discussion, result, conclusions. Therefore it means to say that in my research paper, I have briefly included all the works which are necessary for this paper according to the title. I have also shown the percentage of Madhya Pradesh in India by displaying the area production and yield under wheat crop from the year 1999-00 to the year 2009-10.(Ayyar.N.P.1969)

Key Words: *Agriculture, Cultivation, Crops, Production, Holdings, Described, necessary, Studied, Information.*

1. INTRODUCTION:

In the table-1 based on agriculture that is being conducted in Madhya Pradesh, I have told that the total geographical area of Madhya Pradesh is 307.56 lakh hectares out of which 86.00 lakh hectares area comes under forests and 20.12 lakh hectare area comes under non agricultural use and 13.80 lakh hectare area of comes under barren and uncultivable land. Similarly, I have divided the are of Madhya Pradesh according to different usage and included it in the paper.(**Chouhan,T.S,1987**)

Similarly in table-2,I have described the area production and yield under the wheat crop in the year 1999-00 to year 2009-10,as well as the percentage of Madhya Pradesh compared to India. under table-3,in the year 1999-00 and year 2009-10 in Madhya Pradesh the percentage change of these has been known while explaining about the area production and yield of major crops like paddy, jowar, maze, bajra etc. So that we get to know about the progress and vastness of agriculture in Madhya Pradesh and on this basis, I am presenting a brief study of agriculture. (**Annual report New Delhi 2018**)

2. Related Work/Review of Research Paper:

It can be said from a critical point of view in this paper that the entire Madhya Pradesh is an agricultural state. Under it the agriculture of Madhya Pradesh is briefly studied. Which shows that most contribution of agriculture has been in the economy of the state. In this the total area of the state its division under wheat agriculture and measures and its percentage change has been told, which in itself makes the title of research clear. (**Gupta Shivbhusan, 1984**)

3. Data and Method:

In accomplishing this, I have used descriptive explanatory and comparative methods using the commissioner land record M.P. agricultural statics M.P. and reference book.

4. Proposed work/Objectives:

- To make Madhya Pradesh aware of the state of agriculture in the current environment.
- To apprise the difference between agriculture of Madhya Pradesh and Indian agriculture.
- To make the area of agriculture aware of production and yield.
- Brief review of major crops of Madhya Pradesh.
- To study the complete facts related to agriculture.

5. Study Area:

The study area of this research paper in the major crop area of Madhya Pradesh and where different types of crops area grown. In this, I have studied the total geographical area of Madhya Pradesh, cultivable land, agriculture commission, movie forest area, major crops etc. (**Farook Azam,1986**)

6. Results and Analysis:-

As a result it can be said that the total geographical area in Madhya Pradesh is 307.56 lakh hectare and here is 86.00 lakh hectare (27.92%) and the maximum area under wheat as shown in table-2 is 4670 thousand hectare in the year 1999-00. Production is 8687 thousand (year 1999-00) similarly the highest yield in the year 2009-10 has been seen in Madhya Pradesh which is 10.4% compared to India and the highest percentage is 10.7% in the year 2004-05 compared to India and in the year 1999-00 to year 2009-10 Madhya Pradesh has the highest percentage of 11.4% compared to India which was seen in the year 1999-00. (Dubey Ramnath, 1971 and Table-2)

From the data displayed in table-3, it results that if the maximum percentage change under the year 1999-00 and the year 2009-10, the area under bajra was 19.4% change, production 77.6% change and the yield 47.9% change related and the percentage at the minimum is loss automatic. Area -16.8%, production -27.9%, yield -13.2% got to see. It has come out in the research paper that the agriculture of Madhya Pradesh is variable. It has been a continuous change in it which shows that Madhya Pradesh famous perfection is dependent on modern equipment and modern facilities. (Gurjar and Jat, 2006 and Table-3)

TABLE-1
 Basic Information of M.P. Year 2007-08 and Year 2008-09
 (Unit-Area In Lakh Hectare)

S.No.	Particulars	2007-08	2008-09	% to Geographical Area (Year 2007-08 to Year 2008-09)
1	Geographical area	307.56	307.56	100.00
2	Forest	86.00	85.87	27.92
3	Not available for cultivation:-			6.73
A	Land put to non-agricultural use	20.12	20.70	
B	Barren and unculturable land	13.80	13.40	4.36
	Total	33.92	34.10	11.09
4	Other uncultivated land excluding fallow land:-			
A	Permanent pastures and other grazing lands	13.52	13.34	4.34
B	Land under misc tree crops and groves	0.19	0.19	0.06
	Total	13.71	13.53	4.40
	Total Cultural wast land fallow land:-	11.70	11.60	3.77
A	Current fallows	7.90	5.32	1.89
B	Old fallow land	6.43	6.20	2.02
	Total	14.33	12.02	3.91
	Cropped Area			
A	Net area sown	147.90	150.44	48.91
B	Area sown more than once	57.29	57.16	18.58
C	Gross cropped area	205.19	207.60	67.50
	Cropping intensity in %	139	138	00
	Net irrigated area (% from net area sown)	64.18	65.06	43.25
	Gross irrigated area (% from gross area sown)	65.67	67.14	32.34

Source:- Commissioner Land Records, M.P.

FIGURE-1.1
 Basic Information of M.P. Year 2007-08 (Unit-Area In Lakh Hectare)

- Geographical area
- Forest
- Total not available for cultivation land
- Total other uncultivated land excluding fallow land
- Total cultural wast land
- Net irrigated Area (percent from net area sown)
- Gross irrigated area (percent from gross area sown)



FIGURE-1.2
 Basic Information of M.P. Year 2008-09 (Unit-Area In Lakh Hectare)

- Geographical area
- Forest
- Total net available for cultivation land
- Total other uncultivated land excluding fallow land
- Total culturable wast land
- Net irrigated Area (percent from net area sown)
- Gross irrigated area (percent from gross area sown)

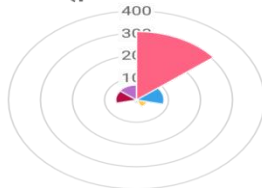


FIGURE-1.3
 Basic Information of M.P. Year 2008-09 (Unit-Area In Lakh Hectare)

- Basic information of MP Percentage change in Year 2007-08 to Year 2008-09
- # of Votes
- # of Votes
- # of Votes

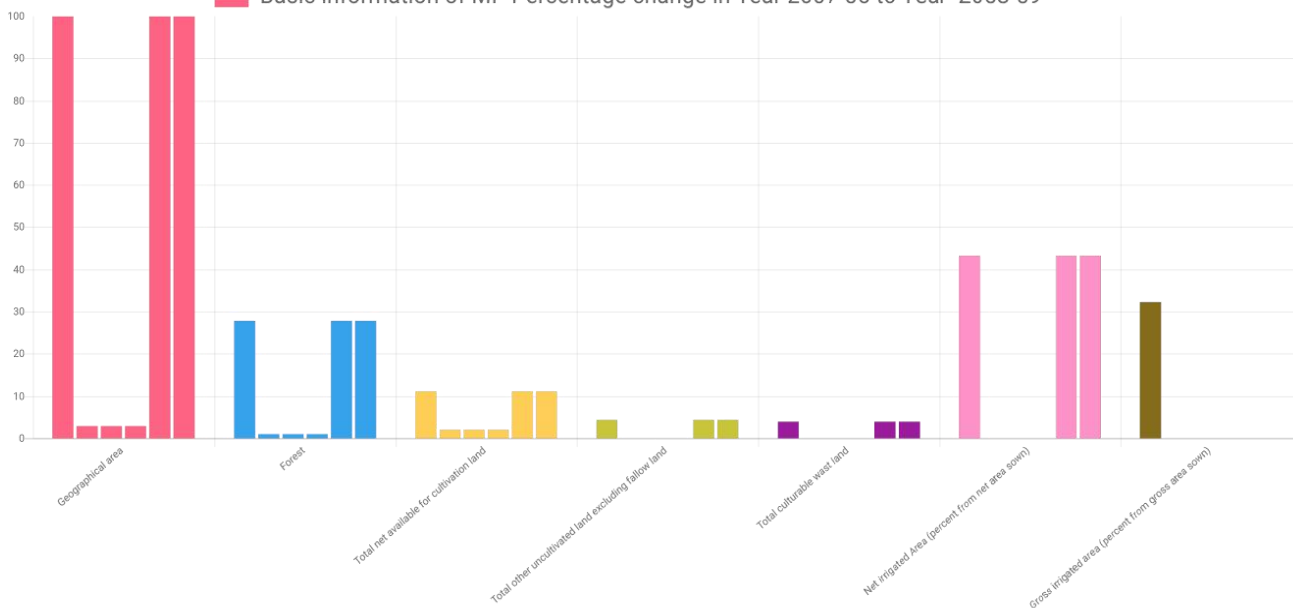


TABLE-2
 Area, production and Yield of wheat M.P.
 (Area:-Thousand Hect.,Production:-Thousand ,Yield:-Kg/Hec.)

S.No.	Year	Madhya Pradesh			M.P.Percentage of Production in India
		Area	Production	Yield	
1	1999-00	4670	8687	1938	11.4
2	2000-01	3311	4869	1535	7.0
3	2001-02	3704	6001	1620	8.2
4	2002-03	3382	4923	1520	7.5
5	2003-04	4045	7365	1867	10.2
7	2004-05	4200	7327	1821	10.7
8	2005-06	3785	6200	1710	8.9
9	2006-07	4275	7848	1916	10.4
10	2007-08	4101	6737	1714	8.6
11	2008-09	4010	7280	1895	9.0
12	2009-10	4276	8410	2053	10.4

Source:-1.Commissinor Land Records, M.P.

2. Mpkrisshi.mp.gov.in

FIGURE-2.1
 M.P. Percentage of Production in India

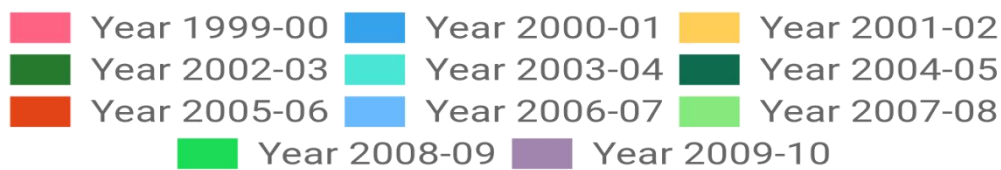


TABLE-3
 Area,Production and Yield of Important Crops (Paddy,Jowar,Maize,Bajra) in M.P.
 (Year 1999-00 to Year 2009-10)

Area:-Thousand Hec.,Production:-Thousand Tonnes,Yield:-Kg/Hec.

S.No.	Crops	Year 1999-00			Year 2009-10			% Change Year 1999-00 and Year 2009-10		
		Area	Production	Yield	Area	Production	Yield	Area	Production	Yield
1	Paddy	1740	1750	1059	1446	1261	919	-16.8	-27.9	-13.2
2	Jowar	674	529	784	446	565	1279	-33.8	6.8	63.1
3	Maize	801	1271	1586	832	1045	1263	3.8	-17.7	-20.3
4	Bajra	139	139	1008	166	247	1491	19.4	77.6	47.9

Source:-1.Commissinor Land Records,M.P

FIGURE-3.1
 AREA(% Change Year 1999-00 and Year 2009-10)

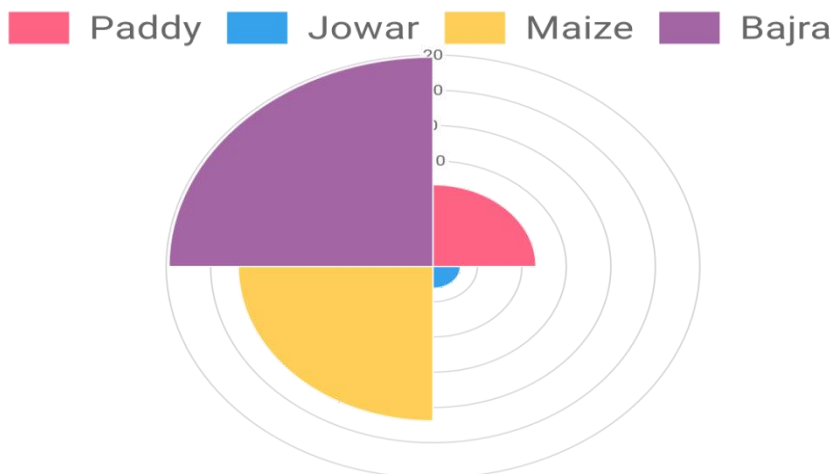


FIGURE-3.2
 PRODUCTION(% Change Year 1999-00 and Year 2009-10)

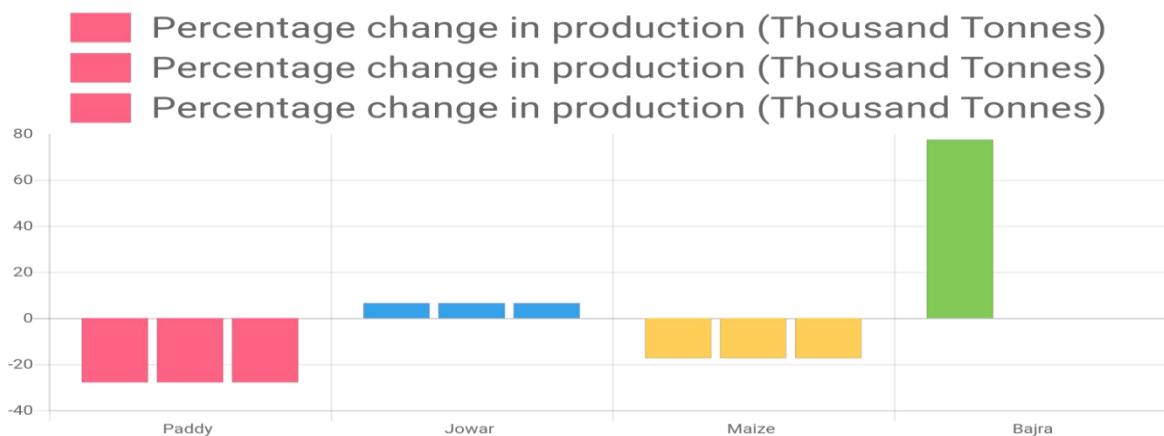
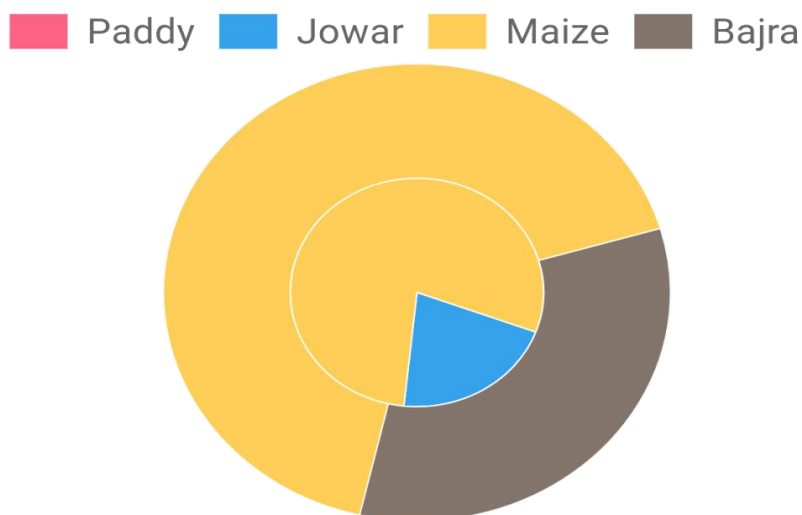


FIGURE-3.3
 YIELD (% Change Year 1999-00 and Year 2009-10)



7. Discussion:

After considering this paper, I have found that it shows about someone from Madhya Pradesh that it is variable here. I seriously considered all the teacher related points and found that there is a continuous change in agriculture sector production and yield.

8. Recommendation:

I recommend relating to this research paper that the study has been done on the basis of any doubt. He provides some information related to agriculture of Madhya Pradesh for any person or common people. Therefore, everyone will get some information from its study.

9. CONCLUSION:

In conclusion in this paper, it can be said that Madhya Pradesh is an agricultural state. Most of the area here is covered with forest. But agricultural work is done on most of the area here. I am coming to this paper that agricultural work is being done on arable land but it is very much in need of a modern machine because when I remembered the change in percentage of crops in different year, I saw a no mind increase in it. In some years the production and measures of some crops have been seen as a minuscule. This proves that the percentage of increase in yield of agriculture produced has been very low but there is nothing to worry about because Madhya Pradesh is currently the leader in agriculture. Therefore this research paper explains the state of agriculture in Madhya Pradesh.

The level of agriculture in Madhya Pradesh is very good. Were does this state go and the wheat here is famous all over India, which proves that the quality of crops of Madhya Pradesh is excellent and Madhya Pradesh is moving towards development in agriculture.

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REFERENCES:

1. Ayyar, N.P. (1969): "Crop Region of M.P. A Study in Methodology," G.R.I. Vol.31, pp-17;19
2. All Mohd, (1997): "Situation of Agriculture food and Nutrition in Rural India", pp-10
3. Annual report, (2018): "Department of Agricultural cooperation and farmers welfare government of India", Krishi Bhavan, New Delhi, pp, 102-103.
4. Chaturvedi Purushottam Bhatt, (2014): "Environmental consciousness", M.P. Hindi Granth Academy, Bhopal, pp, 47-48.
5. Chouhan, T.S., (1987): "Agricultural Geography", A Study of Rajasthan State Academic, Jaipur, pp, 101-102.
6. Dubey Ramnath (1971): "Bharat ka Aarthic Bhugol", Kitab mahal, Allahabad, pp, 147-148.
7. Farook Azam, (1986): "Correlation of Irrigation and crops output in western Uttar Pradesh, pp, 17-18.
8. Gurjar and Jat (2006): "Environment Geography", Panchsheel Publication, Jaipur, pp, 18-19.
9. Gupta Shivbhushan (1984): "Agricultural Economics", Sahitya Bhavan publication, Agra, pp, 10-11.
10. Husain Majid, (2006): "Geography of India", Tata Megro hills, New Delhi, 2006, pp, 34-35.
11. Hussain M. (1979): "Agricultural Geography", Inter India Publication, Delhi, pp, 142.
12. Jat B.C. (2010): "Watershed Management", Pointer Publication, Author press, Delhi, pp, 40-41.
13. Joshi Mishra (2007): "Principal of Agricultural Economic and Agricultural Development in India", College Book Dipo, Jaipur, pp, 40, -42.
14. Kumar pramila, (1996): "Agriculture Geography", M.P. Hindi Granth Academy, Bhopal, pp, 50-52.
15. Kumar Pramila, "Geography of M.P.", Sharda Pustak Bhavan, Allahabad, pp, 40-42.
16. Khanna C.L. 920110: "Indians Geography resources and Environment", Shivrall Agrwal and company publication, Indore, pp, 90-91.
17. Kumar Pramila (1990): "Agricultural Geography", M.P. Hindi Granth Academy, Bhopal, pp, 50-53.
18. Mamoriya Chaturbhuj, (2005): "Geography of India", Sahitya Bhavan Publication, Agra, pp, 60-61.
19. Markandey Dileep, (1999): "Nature Environment and control", A.P.H. Publication corporation, Daryaganj, New Delhi, pp, 70.
20. Majid Hussain (1979): "Agricultural Geography", New Delhi, pp, 40-47.
21. Omprakash, (2000): "Basic principal of soil and weather conservation", Rama publication house, Meerut, pp, 61-62.
22. Prasad Gayatri (2011): "Environment Geography", Kailash Pustak Bhawan", Bhopal, pp, 16-17.

23. Sharma H.S.(1987):” Environment Desigh and Development conflict or Harmong A Geography Appraisal”, Scientific Publication,Jodhpur,,pp,70-71.
24. Singh B.B.(1988):” Agricultural Geography”, Gayanodya Publication,Gorakhpur,pp,57
25. Singh Jasbir,(1971):”Agricultural colonization of cultivable waste land in India”,pp,120-121..
26. Singh V.B.B(1977):.” Cncept of Land Utilization lindia”, Geographer,pp,150.
27. Shafi M.(1972):”Measurement of Agricultural Productivity of the great India plains”, The geography,pp,46.
28. Sharma,M.L.(1987):”Environment Design and Development scientific publication” Jodhpur,pp,168-170.
29. Sisodia A.S.(2003):”Geography of India”, Kailash Pustak Bhavan, Bhopal,pp,24.
30. Shrma Shrikamal(2004):”Geography of India”, Kailash Pustak Bhavan”, Bhopal,pp,21-22.
31. Saxena S.M.(2010):” Environment studies:, Kailash pustak Bhavan,Bhopal,pp,20-21.
32. Singh Indranath,(2012):”Environment vimarsh”, Dhavan Publication,Delhi,pp,30-31.
33. Tomar Shailendra Singh,(2012): “Weather conservation and Management”, Radha Publication, New Delhi,pp,27
34. www.agricoop.nic.in
35. Weaver John,” Crop Combination Regions in the middle west”, Geography Review,Vol.44.,1954.