

Research Paper

Comparative Study of Production of Kharif Crop in Nagpur District Ref. Year 2007- 08

Punit N. Raut
Nabira Mahavidhyalaya,
Katol.

ABSTRACT

Nagpur is a center place of India. The main occupation in Nagpur District is Agriculture. In Nagpur district farmers cultivate Soyabean, Cotton, Jowar, Paddy, toor & other crops (which includes udid, mug, barbati, ground nut, till etc.) only 20% of total land in Nagpur District is under irrigation & remaining 72% land is non irrigated, therefore farmer prefer crops which needs low water for cultivation. Due to the lack of irrigation facility farmers also prefer crops which are short duration. The major part of cultivated area is non irrigated therefore in that area, farmers get only Kharif crops they avoid Rabbi Crops. During the year 2007-08 in Nagpur District 4767136 hectare land was used for agricultural purpose.

RESEARCH METHODOLOGY

All sort of crops which are cultivated have been taken in to consideration & average productivity of crops of same year was taken in to consideration on the basis of above information total average production of crops was calculated. Then conclusion & suggestion are drawn.

Objectives

- 1 Crop wise cultivated areas of all crops have to be review.
- 1 Crop wise average productivity by crops has to be review.
- 2 Crop wise production of crop has to be calculated.
- 3 Conclusions are to be drawn after comparing the production of all crops.

Hypothesis

- 1 There is a difference in the crop wise cultivated area in Nagpur District
- 2 There is a difference in crop wise productivity of crops in Nag district.
- 3 The cultivated area of Soyabean crop is Nagpur than any other crop
- 4 Compare to any other crop production of Soyabean is more.

Analysis

Cotton, Paddy, Soyabean, Tur, jowar & other crops are major crops grown in Nagpur District in these crops Cotton is 180 days, Paddy 120-160 days crops, Soyabean 90 days crop, Tur 180 days crop & Jowar is 120 days crop. Crop wise area under cultivation of Year 2007-08

Crop wise area under cultivation of Year 2007-08

Crops	Area under Crop	% of area under Crops
Paddy	51437	10.79
Cotton	61672	12.94
Soyabean	273147	57.30
Toor	57295	12.01
Jowar	19258	4.04
Other Crops	13904	2.92
Total	476713	100 %

Sources - Nagpur Agricultural Statistical Department, Nagpur.

As per the above chart it can be seen that Soyabean occupied major area of total land i.e. 57.30 % and remaining crops are occupied low area of total agriculture land. It means farmer prefers to grow the crop like Soyabean which requires megre water. The following chart shows crop wise area, productivity & production.

Crop wise area, productivity & production of Year 2007-08

Crops	Area under cultivation	Average productivity per hectare (in quintals)	Average production per hectare (in quintals) (figures in '000')
Paddy	51437	19.67	1011.76
Cotton	61672	7.48	461.30
Soyabean	273147	9.89	2701.42
Toor	57295	6.07	347.78
Jowar	19258	10.46	201.44
Other crops	13904	3.65	50.75
Total	476713		

Sources - Nagpur Agricultural Statistical Department, Nagpur.

The above sited chart shows that compare to all crops Paddy, has more productivity but due to the small cultivated area average production of paddy is low, because Paddy needs more irrigation facility, Jowar crop is on second as per productivity but due to small cultivated area average production of Jowar is low compare to any other crops. Jowar has low price in Market therefore farmers avoids to grow Jowar. Soyabean has average productivity but due to special features like short duration, low expenses & better price farmer prefers to grow Soyabean therefore production of Soyabean is 2701.42 thousand quintals which is much higher as compare to any other crop.

CONCLUSIONS

- 1 There is a difference in the cultivated area of crops.
- 2 There is a difference in the productivity of crops in Nagpur District.
- 3 Cultivated area of Soyabean is higher as compared to any other crops i.e. 57.30% of total area.
- 4 Productivity of Soyabean crop is average even though due to Large of cultivation. Production of Soyabean is more than any other crop.
- 5 Soyabean is most popular crop in Nagpur District.

SUGGESTIONS

- 1 Farmers should not be fully depending upon soyabean they need to grow multiple crops to services and to conserve soil productivity.
- 2 It is necessary to increase the irrigation facilities to grow crop which have more productivity.
- 3 Irrigation facilities should be increase to sowing Rabbi Crop.

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