



EXISTING POSITION OF POMEGRANATE PRODUCTION AMONG FRUITS IN INDIA

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Abstract: Fruit crop play an important role in agriculture economy which gives better living standard to fruit growers. Pomegranate has medicinal value for better health and demanding globally. This study has been undertaken to investigate the status of fruit production in horticultural crops. This study exposed that share of the pomegranate production among total fruit production in India increased every year. This study also revealed that share pomegranate production in different states in India. There is found total change in export increases in last ten years.

Index Terms - Area, Production, Share, Export.

I. INTRODUCTION

The total production of horticulture crop in India during 2017-18 was 311714 thousand MT, out of this only fruit and vegetables production was 281752 thousand MT. In the year 2017-18 India having overall fruit production was 97358 thousand MT on the area 6505 thousand Ha with the productivity 14.96 MT/Ha. A percentage share of fruits in total horticultural crops was 31.2 percent. Among this Banana production was 30808 thousand MT on 884 thousand Ha, Mango production was 21822 thousand MT on 2258 thousand Ha, Guava production was 4054 thousand MT on thousand 265 Ha, Pomegranate production was 2845 thousand MT on thousand 234 Ha and Apple production was 2327 thousand MT on 301 thousand Ha. (<http://apeda.gov.in>)

Pomegranate has always demand in in market because it proven health benefit, it holds good quantities of vitamins, potassium and antioxidants. Research represents that pomegranate is very effective to reduce the risk of different diseases. By nutritional value of Pomegranate fruit is known as a “Super Food” in the world. Mostly India, Iran, Turkey, Spain, Tunisia, Morocco, Afghanistan, Syria, China, Greece, Japan, France, Armenia, Cyprus, Egypt, Italy and Palestine also cultivate this product. The global pomegranate and pomegranate arils market was valued at USD 8.2 billion in 2018 and is expected to reach USD 23.14 Billion by year 2026, at a CAGR of 14.0 percent. In India the commercial cultivation of Pomegranate is started in 1936. (<https://nrcpomegranate.icar.gov.in/files/Publication/49.pdf>). The most promising cultivars grown in India are Alandi, Dholka, Kabul, Kandhari, Muskat red, Vellode, Ganesh, G-137, Jyoti, Mridula, Phule Araktha and Bhagwa. The export facilities for pomegranate playing important role to increase area of production to more income. The ICAR-NRCP (National Research Centre on Pomegranate) was established in 2005, at Solapur (Maharashtra), by ICAR (Indian Council of Agricultural Research), New Delhi, to research and increase the development infrastructure for pomegranate crop. Though the pomegranate in produced in different states of India, Maharashtra, Gujarat, Karnataka, and Andhra Pradesh are more pomegranate producible states. Maharashtra state is leading in the production of pomegranate. “MAHAANAR” is an apex body established in 2005 to increase quality production of pomegranate (<https://www.msamb.com/Export/Mahaanar>). There is also found variation in export of pomegranate from

India (Suvagiya *et al.*, 2017). This study present the status of area and production of fruits and pomegranate and share of pomegranate production in total fruit production of India.

II. RESEARCH METHODOLOGY

Secondary data is collected by the publications of NRCP, APEDA, ICAR, NHB and DGCIS for pomegranate area, production in India and export of pomegranate from India. Tabulation is used to classify, present and analyze data for area and production of fruits and pomegranate, share of pomegranate production among total fruits and export of pomegranate from India. Export statistics gives the statistical data of pomegranate which consigned to another countries, and change in trading direction pattern. Microsoft excel tool is used to calculate percent change of export data.

III. RESULT AND DISCUSSION

There is year wise distribution of area and production of total fruit crops among total horticultural crop in India for five years (Table.1). In India the area and production of horticultural crops was 24198 thousand hectare and 277352 thousand MT respectively, and the area and production of fruit crops was 7216 thousand hectare and 88977 thousand MT, respectively for the year 2013-14 (<http://apeda.gov.in>).

In 2017-18 the area and production of horticultural crop in India was 25431 thousand hectare and 311714 thousand MT, respectively, and the area and production of fruit crops was 6506 thousand hectare and 97358 thousand MT, respectively (<http://apeda.gov.in>).

The share of fruit crop production among Horticultural crops in India for the year 2013-14 was 32.08 % and it was 31.23% in the year 2017-18. The average share of fruit crop production among Horticultural crops in India from 2013-14 to 2017-18 was 31.31 %

There is year wise distribution of area and production of pomegranate among total fruit in India for five years (Table.2). In India the area and production of fruit crops was 7216 thousand hectare and 88977 thousand MT respectively, and the area and production of pomegranates was 131 thousand hectare and 1346 thousand MT, respectively for the year 2013-14. In 2017-18 the area and production of fruit crops in India was 6506 thousand hectare and 97358 thousand MT, respectively. The area and production of pomegranates was 234 thousand hectare and 2845 thousand MT, respectively.

The share of pomegranate production among fruit crop in India for the year 2013-14 was 1.51 % and it was 2.92 % in the year 2017-18. The average share of pomegranate production among fruit crops in India from 2013-14 to 2017-18 was 2.37 %.

Looking at the Fig.1 graph, it is noticed that percentage of share of pomegranate production in fruit production is increased every year.

The state wise share of pomegranate production in India in the year 2017-18 is shown in Table.3. From the table.3 noticed that though the pomegranate in produced in different states of India, Maharashtra, Gujarat, Karnataka, and Andhra Pradesh are more pomegranate producible states. Maharashtra state is leading in the production of pomegranate. In 2017-18 Maharashtra produced 1789.46 thousand MT, Gujarat it produced 461.75 thousand MT, and Karnataka pomegranate produced 268.23 thousand MT, in Andhra Pradesh pomegranate produced 139.02 thousand MT and so on. In the year 2017-18 Maharashtra was produced 62.90 per cent of the total pomegranate production in India (<http://apeda.gov.in>).

From the Table.4 it is noticed that in last decade Indian pomegranate export was fluctuated and total change in export is increases from 2010-11 to 2019-20 by 342 %.

IV. CONCLUSION

The average share of fruit crop production among Horticultural crops in India from 2013-14 to 2017-18 was 31.31 %. The average share of pomegranate production among fruit crops in India from 2013-14 to 2017-18 was 2.37 % and percentage of share of pomegranate production in fruit production is increased every year. Maharashtra state is leading in pomegranate production in India and in the year 2017-18 Maharashtra was produced 62.90 per cent of the total pomegranate production in India. Total change in export is increases from 2010-11 to 2019-20 by 342 %.

Table.1 Area and production of fruits among horticultural crops in India for five years.

Area in 000 Ha, Production in 000 MT

Sr. No	Year	Horticultural Crops		Fruits Crops		Share of Fruits crops in total Horticultural Crops (%)
		Area	Production	Area	Production	
1	2013-14	24198	277352	7216	88977	32.08
2	2014-15	23410	280986	6110	86602	30.82
3	2015-16	24472	286188	6301	90183	31.51
4	2016-17	24851	300643	6373	92918	30.91
5	2017-18	25431	311714	6506	97358	31.23

Source: NHB database

Table.2 Area and production of pomegranate among total fruit in India for five years.

Area in 000 Ha, Production in 000 MT

Sr. No.	Year	Fruits Crops		Pomegranates		Share of Pomegranates in total Fruits
		Area	Production	Area	Production	
1	2013-14	7216	88977	131	1346	1.51
2	2014-15	6110	86602	181	1789	2.07
3	2015-16	6301	90183	197	2306	2.56
4	2016-17	6373	92918	216	2613	2.81
5	2017-18	6506	97358	234	2845	2.92

Source: NHB database

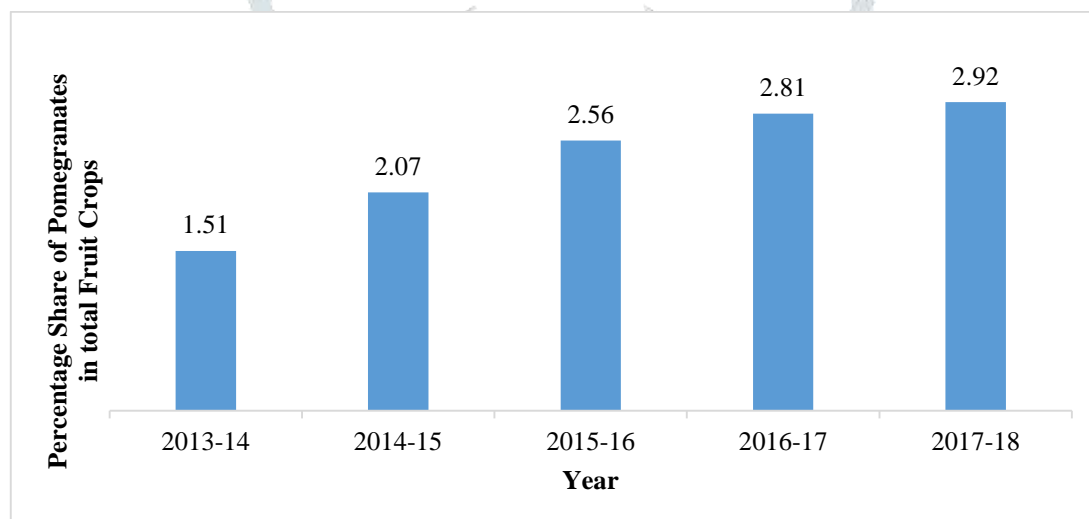


Fig.1 year wise graphs of percentage share of production of pomegranate among total fruit in India.

Table.3 In the year 2017-18 state-wise area and production of pomegranate in India

Sr No.	State	Area (000 ha.)	Production (000 MT)	Share (in %)
1	Maharashtra	147.91	1,789.46	62.91
2	Gujarat	30.51	461.75	16.23
3	Karnataka	25.97	268.23	9.43
4	Andhra Pradesh	9.47	139.02	4.89
5	Madhya Pradesh	9.68	114.27	4.02
6	Rajasthan	4.44	26.58	0.93
7	Telangana	1.49	19.87	0.7
8	Tamil Nadu	0.56	13.06	0.46
9	Chhattisgarh	0.76	4.34	0.15
10	Kerala	0.01	3.33	0.12
11	Himachal Pradesh	2.77	3.15	0.11
12	Orissa	0.26	0.92	0.03

13	Nagaland	0.09	0.5	0.02
14	Jharkhand	0.02	0.04	0
	Total	233.94	2,844.52	

Source: DGCIS, Annual Export: <http://agriexchange.apeda.gov.in>.

Table.4 Export of pomegranate from India in the last ten years

Sr. No	Year	Export (ton's)	Yearly Change	Total Change
1.	2010-11	18211.67		
2.	2011-12	30158.59	66%	66%
3.	2012-13	35970.6	19%	98%
4.	2013-14	31328.29	-13%	72%
5.	2014-15	20997.02	-33%	15%
6.	2015-16	44722.55	113%	146%
7.	2016-17	49852.05	11%	174%
8.	2017-18	47335.74	-5%	160%
9.	2018-19	67891.83	43%	273%
10.	2019-20	80547.74	19%	342%

Source: DGCIS, Annual Export: <http://agriexchange.apeda.gov.in>.

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REFERENCES

1. S.S Acharya SS and Agarwal NL, 1990, Agricultural Marketing in India (Book), oxford and IBH publishing Co. Pvt. Ltd. New Delhi.
2. Suvagiya D, Shah P, Shilpa VC, 2017, Export promotion of Pomegranate from India, International Journal of Commerce and Business Management, 10(1), pp. 54-67.
3. <http://apeda.gov.in>, 09-11-2020
4. <http://nhb.gov.in>, 09-11-2020.
5. <https://nrcpomegranate.icar.gov.in>,01-01-2021.
6. <https://www.msamb.com/Export/Mahaanar>, 01-01-201.
7. Kumar K and Singh HL, 2010, Price spread in marketing of mango in Lucknow district of U.P., *Indian J. Agril. Mktng.* 24 (2), pp. 50-57.
8. Sudharshan GM, 2012, Economic Appraisal of Pomegranate Production and Marketing in Chitradurga District of Karnataka, International Conference on Challenges and Opportunities in Mechanical Engineering, Industrial Engineering and Management Studies, pp. 1047-1050.
9. Sujatha RV, Eswara PY and Vasudev, 2003, Export Scenario of mangoes from India", *Indian J. Agril. Mktg.* pp.142-149.