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Status of agrochemicals in India and major export opportunity

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Abstract

In production of agrochemicals, India stood fourth position universally after USA, China and Japan. The agrochemicals manufacturing is a noteworthy for the Indian economy. Indian populace is growing and the per capita volume of terrestrial reducing, the use of pesticides in India must improve further. Besides growing in national consumption, the exports by the Indian Agrochemicals Manufacturing can be folded in the next upcoming years if proper policies and classy information technologies are adopted by the manufacturing. Agriculture plays an important role for financial and community growth in most immature countries. Reasons for this contain issues of nutrition security and fitness of persons, obligation for growing harvests and nutrition quality development. Tasks in agricultural growth of every nation are excessive, not only due to accomplishment of growing request for nutrition, but since of deficiency and under feeding drop. Issues are also made more multifaceted as agricultural segment growth should be attained on maintainable means seeing natural atmosphere defence. In this research paper we did analysis of export of major agricultural chemicals. The Indian agrochemicals marketplace is extremely split in nature with more than 800 formulators. The race is aggressive with huge number of prepared sector companies and noteworthy share of fake pesticides. The marketplace has been observing unions and achievements with huge companies purchasing out minor producers.

Keywords: Agricultural, agrochemicals, organic chemicals, inorganic chemicals

1. Introduction

India has 16% of the earth's populace and less than 2% of the entire continent. Growing populace and high importance on accomplishing food scrap independence as emphasized in the FY10 economical, is likely to initiate development. India has inadequate farmland accessibility and increasing exports. Indian agrochemical transfers accounted for more than fifty percentage of total industry size in 2009 [5]. In production of agrochemicals, India stood fourth position universally, after USA, China and Japan. The agrochemicals manufacturing is a noteworthy manufacturing for the Indian economy. Indian populace is growing and the per capita volume of terrestrial reducing, the use of agrochemicals in India must improve further. Besides growing in national consumption, the exports by the Indian Agrochemicals Manufacturing can be folded in the next upcoming years if proper policies and classy information technologies are adopted by the manufacturing [3]. Agriculture plays an important role for financial and community growth in most immature countries. Reasons for this contain issues of nutrition security and fitness of persons, obligation for growing harvests and nutrition quality development [1]. Tasks in agricultural growth of every nation are excessive, not only due to accomplishment of growing request for nutrition, but since of deficiency and underfeeding drop. Issues are also made more multifaceted as agricultural segment growth should be attained on maintainable means seeing natural atmosphere defence.

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Key Challenges for Agrochemical production and exports

[2]

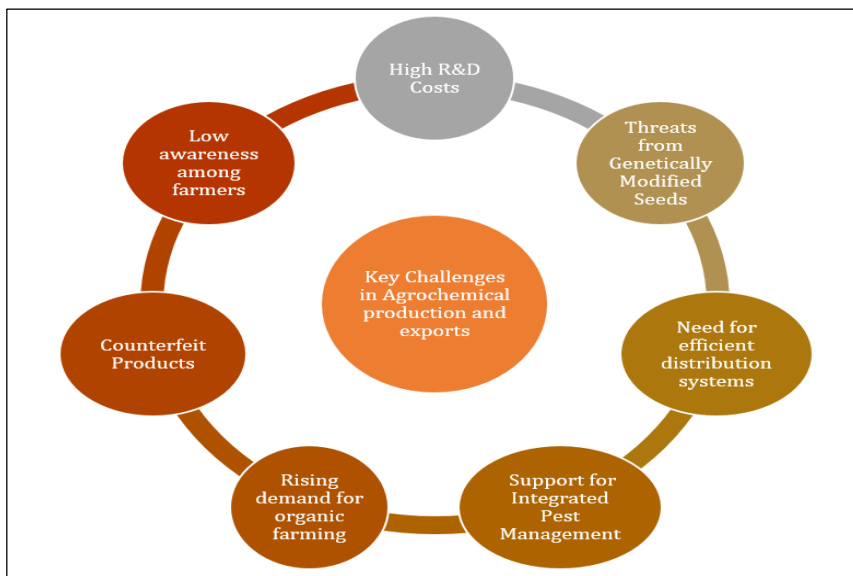


Fig 1: Key Challenges in Agrochemical

Key Opportunities [2]

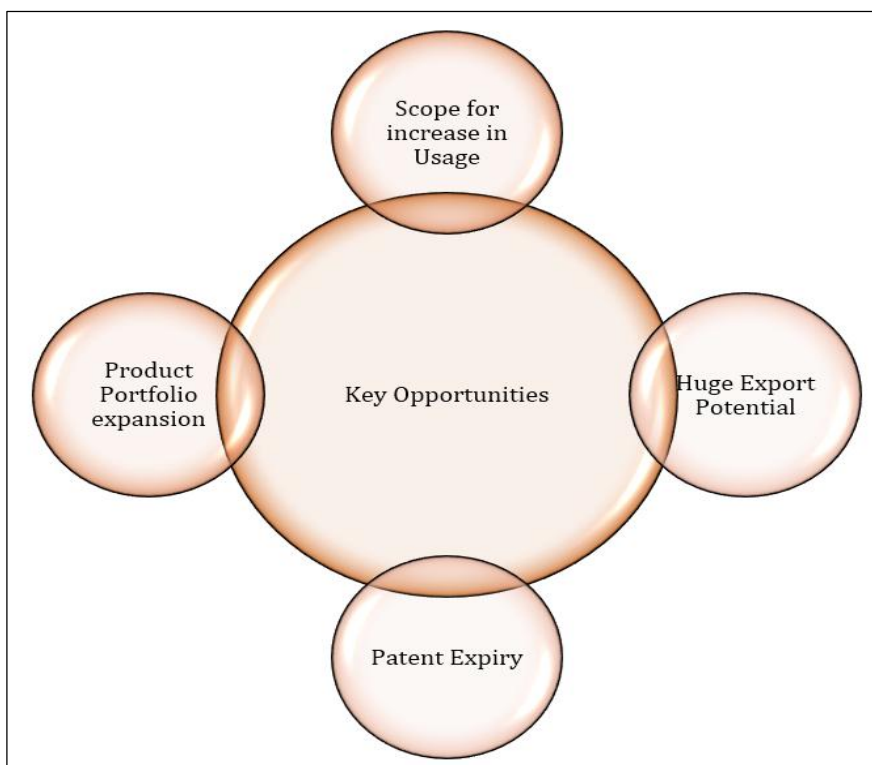


Fig 2: Key Opportunities in Agrochemical

2. Analyzing export of major agricultural chemicals

Analysis of top-5 pesticides exports from 2014-15 to 2016-17 [4]

Table 1: Top-5 Pesticides and Insecticides from 2014-15 to 2016-17

Group	Product	2014-15 VAL in Rs. Lakhs	2015-16 VAL in Rs. Lakhs	2016-17 VAL in Rs. Lakhs
Herbicides	Other herbicides-anti sprouting products	151055	266182	362041
Pesticides & insecticides	Other fungicides	210198	279485	344587
Pesticides & insecticides	Other insecticides	344754	276427	311285
Pesticides & insecticides	Other pesticides	178366	214054	208648
Pesticides & insecticides	Cypermethrin	50407	45949	45742

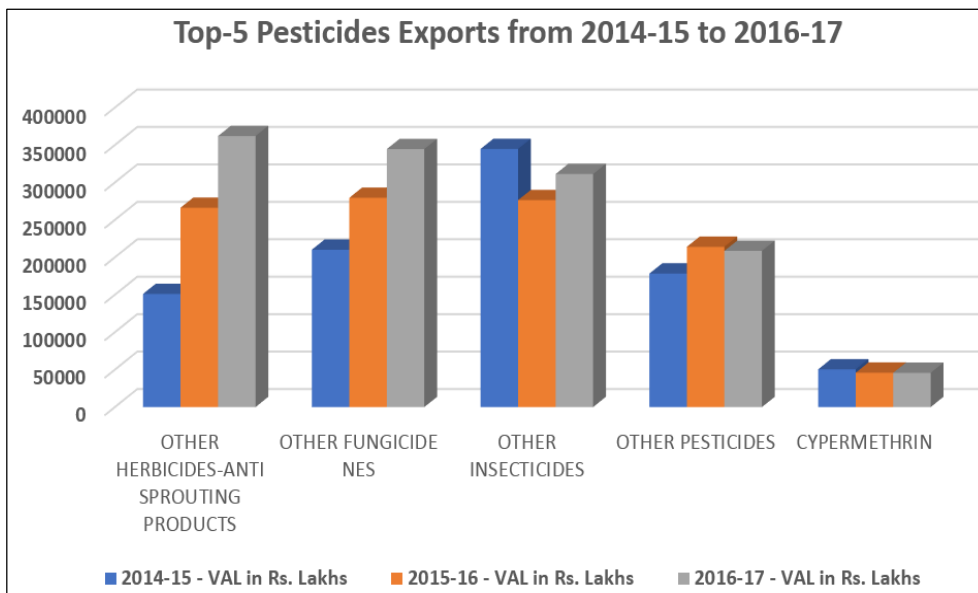


Fig 3: Top-5 Pesticides and Insecticides from 2014-15 to 2016-17

Analysis of top-5 organic chemicals exports from 2014-15 to 2016-17 [4]

Table 2: Top-5 Organic Chemicals from 2014-15 to 2016-17

GROUP	PRODUCT	2014-15-VAL in Rs. Lakhs	2015-16-VAL in Rs. Lakhs	2016-17-VAL in Rs. Lakhs
Organic chemicals	Menthol	115160	94548	125246
Organic chemicals	Ethyl acetate	67934	54269	48020
Organic chemicals	Isobutyl benzene	19250	14186	14854
Organic chemicals	Acetic anhydride	11565	9941	10277
Organic chemicals	Phenol	3338	7379	8192

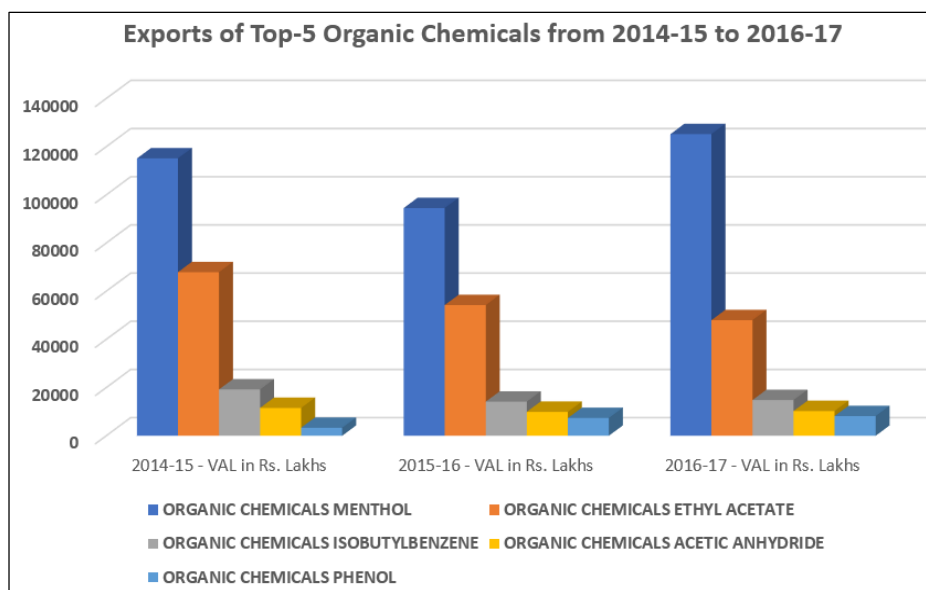


Fig 4: Top-5 Organic Chemicals from 2014-15 to 2016-17

Exports of Major Chemicals from 2014-15 to 2016-17 [6]

Table 3: Exports of major chemicals from 2014-15 to 2016-17

Group	PRODUCT	2014-15-QTY in Matric Tonne	2014-15-VAL in Rs. Lakhs	2015-16-QTY in Matric Tonne	2015-16-VAL in Rs. Lakhs	2016-17-QTY in Matric Tonne	2016-17-VAL in Rs. Lakhs
Exports Of Major Chemicals	Total	1061223	2628188	1138116	2667116	1483740	3006425

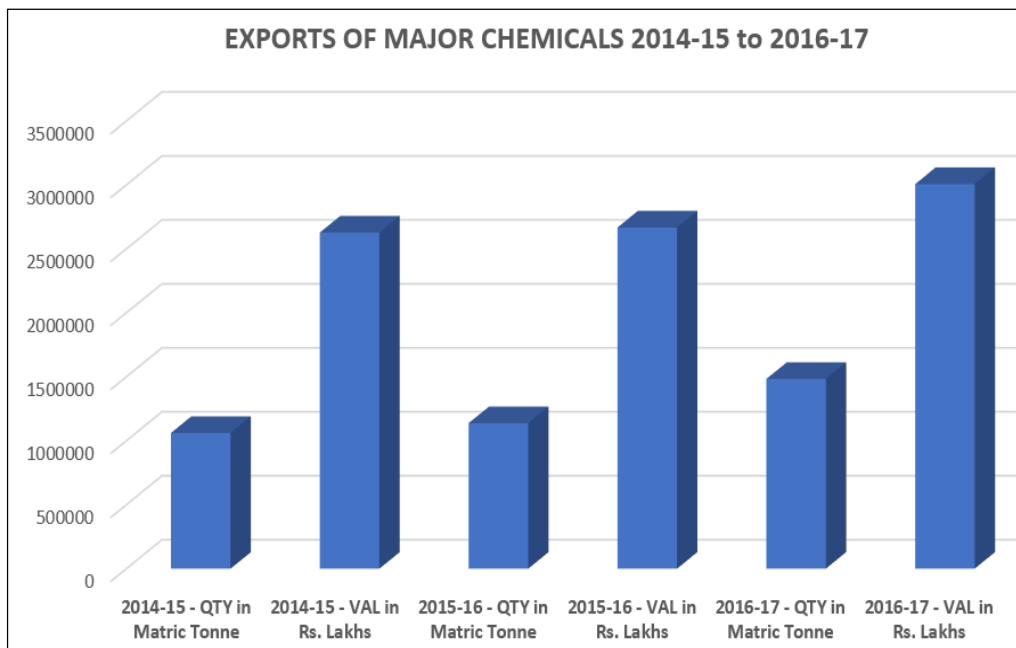


Fig 5: Exports of major chemicals from 2014-15 to 2016-17

Exports of Top-5 Inorganic Chemicals from 2014-15 to 2016-17 [4]

Table 4: Exports of Inorganic chemicals from 2014-15 to 2016-17

Group	Product	2014-15-VAL in Rs. Lakhs	2015-16-VAL in Rs. Lakhs	2016-17-VAL in Rs. Lakhs
Inorganic chemicals	Carbon black	77832	55019	87414
Inorganic chemicals	Titanium dioxide	7108	5582	10216
Inorganic chemicals	Calcium carbonate	11453	9831	9901
Inorganic chemicals	Red phosphorus	1299	1777	1757
Inorganic chemicals	Potassium chlorate	492	576	1145

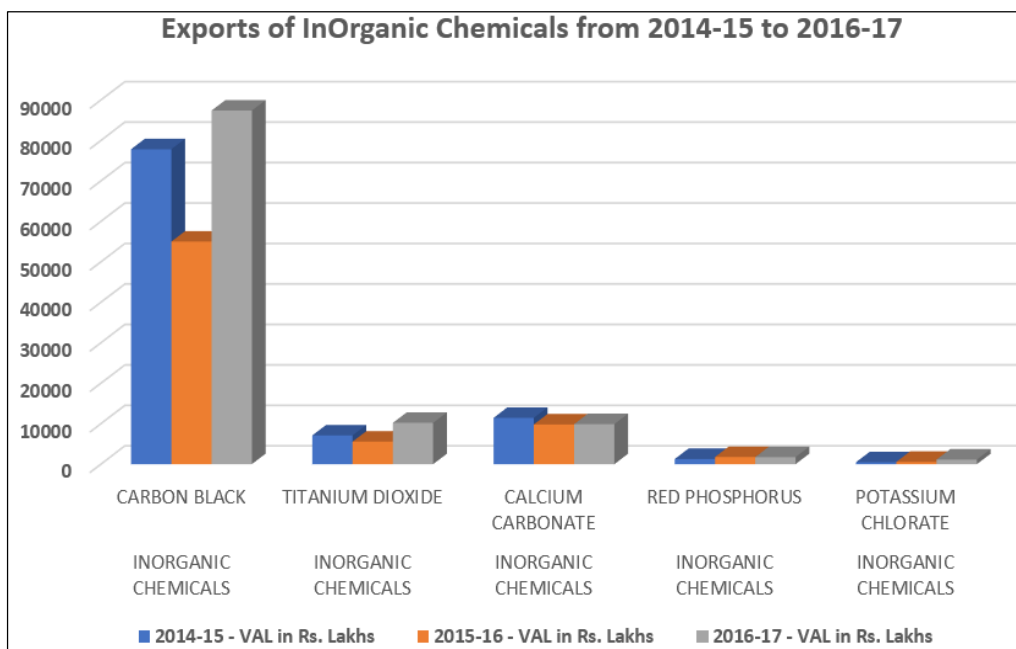


Fig 6: Exports of inorganic chemicals from 2014-15 to 2016-17

3. Conclusion

India has inadequate farmland accessibility, but it is increasing exports. Indian agrochemical transfers accounted for more than fifty percentage of total industry size in 2009. In production of agrochemicals, India stood at the fourth position universally, after USA, China and Japan. The agrochemicals manufacturing is a noteworthy manufacturing for the Indian economy. We did analytical study of major

exports of agrochemical products from India. We did analysis of top-5 pesticides, organic, Inorganic chemicals exports from 2014-15 to 2016-17. India have limited in lands, but government efforts is to make maximum exports and increase the economy of the country. Agrochemical is one of the growing industry, if you add flavour of information technology with the same it will be helpful to increase economy of the country. Indian agrochemicals manufacturing

have to face many limitations in terms of little consciousness amongst agriculturalists and rising auctions of non-genuine crops.

4. Acknowledgment

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5. References

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