

Original Research Article

Preseason Promotional and Extension Activities being Conducted by Research Seed Selling Seed Companies for the Hybrid Maize Crop

ABSTRACT

Maize is one of the largest consumed commercial seed, accounting for Rs.14.91 billion of revenue in 2016. The growth in maize is attributed to its increased use as livestock feed and in ethanol production. Presently, approximately 25 per cent of maize is used as food grain, while remaining 75 per cent is used to meet nonfood demand, viz. bio-fuels, poultry feed, animal feed, 10 brewing alcohol, starch based wet milling industries and other industrial uses. However, the enhanced investment in maize by global seed companies would flow into India through technology transfer and Public-Private Partnerships in the next fifty years. The Exploratory research design was used for the present study. The study was conducted in Solapur district. Five tehsil were selected to conduct market research in Solapur district. In each tehsil 10 farmers and 5 Dealers were selected. The sample size was 5 leading markets of the district, 5 dealers per big markets and 10 farmers per big market i.e 50 farmers and 25 dealers. The research instrument used in this project was well defined structured questionnaire for Dealer and Farmer. The main objective of this study is to know the preseason promotional and extension activities being conducted by research seed selling seed companies for the hybrid maize crop. It is revealed from that, the promotional and extension activities taken by the hybrid maize seed companies for the hybrid maize seed for encouragement of farmers as well as dealers for purchase that seed. At that time 23 farmers were gave response to the demonstration plot, 10 farmers gave response to the advertising, 13 farmers response comes for the campaigning and remaining 4 farmers gives response to other activities taken by the companies. The collected data is classified in a systematic way according to need of objectives and then simple statistical techniques were adopted like Shares (percent), pie chart: graph etc. for easy analysis of data.

Key words: - **Promotional, Extension Activities and Seed Companies for the Hybrid Maize Crop**

Comment [U1]: %

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Comment [U4]: What is an tensil? Try to use an internationally accepted synonym. Maybe locality, area, territorial administrative unit...

Comment [U5]: Keywords

Comment [U6]: Try to find other words in this section (keywords) other than those found in the title. This will help you get more visibility for your article, and subsequently more citations.

INTRODUCTION:

The profile of seeds in India has changed over the years. Earlier, it was the seeds saved from the previous crop that was used in Indian agriculture. Now it is the most advanced seeds developed by seed companies that dominate the farmers fields. The phenomenon has roots in the changing dynamics of agriculture, not only in India but also worldwide. The spectra of changing climate, the danger of depleting resources and the threat of burgeoning population has diminished the productivity of agriculture. Stagnant yields and yield loss have become quite persistent. Adding to the chaos, India has its own share of problems lower penetration of technology, shrinking land holdings, marginal farmers, lack of mechanization, shortage of labour to name among a few.

Comment [U7]: Try to find a synonym.

In 2018, the Indian seeds market reached a value of US\$ 4.1 Billion, registering a CAGR of 15.7 per cent during 2011-2018. It is further expected to grow at a CAGR of 13.6 per cent during 2019-2024, reaching a value of US\$ 9.1 Billion by 2024. Coupled with increasing domestic demand and demand for quality seeds in various foreign countries, mainly the South East Asian countries, seed industry in India is witnessing new paradigms of growth and development. The use of hybrid seeds has silently but consistently witnessed growth along with several other driving factors like increasing middle class and increasing disposable income, growth in the food processing sector, increasing seed replacement ratio and other allied factors. Rising awareness among the farmers related to the benefits of using certified/ quality seeds has led to an increase in the demand for seeds over the past few years. This has resulted in an increasing willingness among the farmers to pay higher price for quality seeds.

Comment [U8]: These abbreviations should be explained in the article. Not everyone knows what CAGR (compound annual growth rate) is. I would recommend that you enter the calculation formula (for material and method) in the article.

Maize is one of the largest consumed commercial seed, accounting for Rs.14.91 billion of revenue in 2016. The growth in maize is attributed to its increased use as livestock feed and in ethanol production. Presently, approximately 25 per cent of maize is used as food grain, while remaining 75 per cent is used to meet nonfood demand, viz. bio-fuels, poultry feed, animal feed, 10 brewing alcohol, starch based wet milling industries and other industrial uses. However, the enhanced investment in maize by global seed companies would flow into India through technology transfer and Public-Private Partnerships in the next fifty years.

Comment [U9]: This phrase is identical to the one at the beginning of the abstract. Try to reformulate and develop it.

Keeping above fact in view, the present study was designed to analyze the pre-season promotional and extension activities being conducted by research seed selling seed companies for the hybrid maize crop with the following specific objective.

- To know the preseason promotional and extension activities being conducted by research seed selling seed companies for the hybrid maize crop.

Comment [U10]: If you have only one specific goal, the number 1 is meaningless. Ex.with the following specific objective: to know the preseason

METHODOLOGY:

The study was conducted in Solapur district. Five tehsil were selected to conduct market research in Solapur district. In each tehsil 10 farmers and 5 Dealers were selected. The sample size was 5 leading markets of the district, 5 dealers per big markets and 10 farmers per big market i.e 50 farmers and 25 dealers. The research instrument used in this project was well defined structured questionnaire for Dealer and Farmer. The Exploratory research design was used for the present study. The collected data is classified in a systematic way according to need of objectives and then simple statistical techniques were adopted like Shares (percent), pie chart: graph etc. for easy analysis of data.

Comment [U11]: You have repeated this twice before. This is no longer the case.

RESULT AND DISCUSSION:

The findings of the present study as well as relevant the discussion has been summarized under the following heads:

- Promotional and Extension activities conducted by hybrid maize seed companies

Table 1. Promotional and Extension activities conducted by maize seed company

Sr. No.	Promotional activities	No. of Respondents	Percentage
1.	Demonstration plot	23	46
2.	Advertising	10	20
3.	Campainging	13	26
4.	Other activities	4	8
6.	Total	50	100

Comment [U12]: This entire phrase is found in the abstract. Here, the methodology needs to be developed, explained in more detail. Please rephrase.

Comment [U13]: The title of this table is identical to the title of this subsection (1.1), finally, without the term hybrid. It's not good. Reword either the table title or the subchapter title. Besides, numbering this subchapter is pointless, since you don't have any other subchapters. I think a review and re-editing of the article is needed.

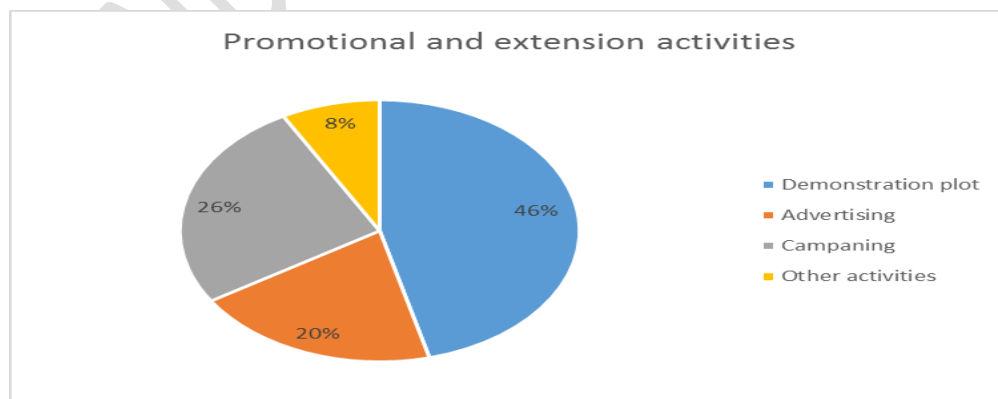


Fig 1. Promotional and extension activities

From the table and pie chart, observed that, the promotional and extension activities taken by the hybrid maize seed companies for the hybrid maize seed for encouragement of farmers as well as dealers for purchase that seed. At that time response of the farmers was calculated which is shown in the table and pie chart. From the table 46.00 per cent farmers were gave response to the demonstration plot, 20 per cent farmers gave response to the advertising, 26 per cent farmers response comes for the campaigning and remaining 8 per cent farmers gives response to other activities taken by the companies. The hybrid maize seed companies conducted mostly the demonstration plot and field campaigning as promotion and extension activities for increasing their seed sales

CONCLUSION:

As it was revealed from the study that the demonstration plots and field campaigning conducted as the promotional and extension activities to increases the seed sale.

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Comment [U14]: You must mention the table number in the text (Table 1)

Comment [U15]: Without pie, just chart

Comment [U16]: You must mention the chart number in the text (Figure 1)

Comment [U17]: All authors in the bibliography must be found in the text of the article. Please correct this problem, and credit the authors where you have taken data from them.