

Impact of front line demonstrations on soybean yield in Haveri district of Karnataka

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ABSTRACT

Frontline demonstrations on soybean were conducted by KVK with an aim of enhancing the production potential of soybean crop in Haveri district of north Karnataka. The data showed that on an average, frontline demonstration yield was 9.66 q/ha and the average yield increase over local check was to the tune of 28.06. An additional cost of Rs. 1050 was required to produce an additional yield of 2.15 q/ha. The average additional returns and the average IBCR over the years were Rs. 2147.5/ha and 2.02, respectively.

INTRODUCTION

Frontline demonstrations on soybean were conducted by KVK with an aim of enhancing the production potential of soybean crop in Haveri district of north Karnataka. This KVK is functioning under University of Agricultural Sciences, Dharwad in ICAR, Zonal Coordinating Unit Zone-VIII. A survey was conducted to find out the gaps in production technology of soybean in the district and component demonstration concentrating on those critical inputs were conducted emphasizing mainly on introduction of new variety.

METHODOLOGY

The frontline demonstrations (47) were conducted by KVK, Hanumanamatti in an area of 45 acre in different adopted villages during the last three years. These demonstrations were conducted at farmer's field with local check plot for comparative study. The recommended agronomic practices were followed as per latest package of practices, for soybean crop in this region. Improved varieties, time of sowing, seed treatment with fungicides, balanced nutrient application, timely weeding and need based plant protection were demonstrated. The data were collected and analysed by using simple

statistical tools.

RESULTS AND DISCUSSION

The data presented in Table 1 reveal the yield and related data of frontline demonstrations conducted during different years. The data show that on an average, soybean frontline demonstration yield under demonstration plot was 9.66 q/ha. Where as the yield in farmers field was 7.51 q/ha. The higher average grain yield in demonstration plots over the years compared to local check might be due to adoption of full package of practice by the demonstration farmers. Similar results were reported by Singh *et al.* (2002a).

Per cent increase in yield:

Table 1 also reveals that the soybean increase in average yield over local check was to the tune of 28.06 and the average yield increase over the years varied between 25 to 31.88 per cent. Similar findings were reported by Singh *et al.* (2002b).

Incremental benefit cost ratio (IBCR):

It is clear from Table 1 that an additional cost of Rs.1050 was required to produce an additional yield of 2.15 q/ha. The average additional returns over the years was Rs. 2147.5/ha. and the average IBCR over the

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