

RESEARCH NOTE

Constraints Experienced by Hybrid-6 Cotton Growers

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INTRODUCTION

Low agricultural production would remain India's major problem for many years which hindered the development of peasantry. Looking towards the growing population of India, it is felt very essential to follow scientific recommendation related to agriculture. Effect of increase in cotton crop production is of vital importance. The yield on farmer's fields is low as compared to yield harvested on research station and on demonstration polts. This has been basically due to lack of knowledge and non adoption of improved practices. There are several constraints responsible for this, which need to be analysed. With this view in mind the study reported here was planned with the following specific objectives.

OBJECTIVES

1. To study the constraints experienced by farmers in adoption of hybrid-6 cotton cultivation technology
2. To seek suggestions from farmers to overcome these constraints in adoption of hybrid-6 cotton cultivation practices.

METHODOLOGY

The study was conducted in Mahuva taluka of Bhavnagar district of Gujarat State.

This taluka has maximum area under hybrid-6 cotton cultivation. Sixteen villages were purposively selected having maximum area under hybrid-6 cotton cultivation. In all 150 respondents were selected proportionately on random basis from selected villages. The data were collected from the respondents with the help of interview schedule.

For measuring constraints, the respondents were requested to offer their difficulties by rating each in any one of four categories viz., very important, important, less important and not at all important having weightage of 3,2,1 and 0 score respectively. The total score of each constraint was worked out. The suggestions were invited openly from the respondents. The frequencies were calculated for each suggestion and converted into percentage. The data were analysed, interpreted and presented in Table 1 and 2.

RESULTS AND DISCUSSION

Constraints :

It is obvious from the Table 1 that high cost of insecticides (rank I), crop is susceptible to pests and diseases (rank II), farmers did not get remunerative price of cotton (rank III) and high cost of fertilizers (rank IV) were the more important and common constraints in adoption of hybrid-6

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Constraints Experienced...

Table 1 : Constraints faced by the Hybrid-6 cotton Growers.

(N=150)

Sr. No.	Constraints	Mean score	Rank
1.	Soil is not suitable for cotton cultivation	0.32	XXIV
2.	High cost of seed	0.90	XVII
3.	Non availability of finance in time	0.82	XIX
4.	Labour requirement is high	1.66	X
5.	Non availability of labourers during season	1.52	XIII
6.	High Wages of labourers	1.71	IX
7.	High cost of fertilizer	2.62	IV
8.	Non availability of chemical fertilizers	0.22	XXV
9.	Complicated techniques for application of fertilizers	0.68	XXII
10.	Paucity of farm yard manure	1.58	XII
11.	More labourers' requirement in application of recommended organic manure (F.Y.M.)	0.72	XXI
12.	High cost of insecticides	2.99	I
13.	Non availability of plant protection chemicals	0.10	XXVII
14.	Application of plant protection measures is a complicated technique	1.44	XV
15.	Application of plant protection measures is against social customs	0.09	XXVIII
16.	Non availability of certified seed	0.13	XXVI
17.	Lack of irrigation facility	1.62	XI
18.	Irregular supply of electricity	2.48	VI
19.	Lack of improved implements	0.79	XX
20.	Lack of technical guidance	2.59	V
21.	Lack of knowledge	2.17	VII
22.	Crop is susceptible to pests and diseases	2.91	II
23.	Lack of storage facility	0.66	XXIII
24.	Do not get remunerative price of cotton	2.66	III
25.	Do not get money of sold cotton in time	0.83	XVIII
26.	Fluctuation of cotton price (product)	1.99	VIII
27.	Winter crop is not possible due to late maturity of hybrid-6 cotton	0.95	XVI
28.	Cotton cultivation is risky	1.50	XIV

Constraints Experienced...

cotton production technology as experienced by the respondents. Lack of technical guidance, irregular supply of electricity and lack of knowledge ranked 5th, 6th and 7th as expressed by the hybrid-6 cotton growers respectively.

Fluctuation of cotton price in the market, high wages of labourers, labour requirement is high, lack of irrigation facility and paucity of farm yard manure were other major constraints in adoption of hybrid-6 cotton technology which secured 8th, 9th, 10th, 11th and 12th rank respectively.

SUGGESTIONS

As regard to suggestions, it can be seen from the Table 2 that reasonable prices of the product be given (61.33%), timely and adequate loan be made available and if failure of crop due to natural hazard, loan should be considered for remission (56.66%), Government should provide subsidy in seeds, fertilizer and insecticides (52.00%), regular electric power be given (44.00) were important suggestions made by majority of the respondents.

Table 2 : Suggestions offered by the Hybrid-6 Cotton growers

(N=150)

Sr. No.	Suggestions	Frequency	per cent
1.	Reasonable prices of the product	92	61.33
2.	Timely and adequate loan be made available and be given if failure of crop due to natural hazard, loan should be considered for remission.	85	56.66
3.	Government should provide subsidy in seeds, fertilizers and insecticides	78	52.00
4.	Electric power be given regularly	66	44.00
5.	Fair price of hybrid cotton seeds, fertilizers and insecticides	58	38.66
6.	Training be given well in advance for hybrid cotton production technology	52	34.66
7.	Irrigation facilities be increased	43	28.66
8.	Seeds and fertilizers should be made available in time	29	19.33
9.	Disease resistant variety should be developed	27	18.00
10.	Organisation of crop demonstrations	25	16.66
11.	Technical guidance regarding new farm technology should be given to the farmers	20	13.33
12.	Village level workers should frequently contact the farmers to make them aware about the farm technology	16	10.66
13.	Easy availability of improved implements at subsidised rate	15	10.00
14.	Customer service of tractor be made available at subsidised rate	13	08.66
15.	Local availability of insecticides	08	05.33
16.	Fixation of cotton prices	07	04.66
17.	Timely availability of diesel	03	02.00