

## CONSTRAINTS FACED BY FARMERS IN AVAILING TECHNICAL GUIDANCE FROM KVK SCIENTISTS

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### ABSTRACT

*A number of organizations are also involved with Krishi Vigyan Kendra in truly a public-private partnership mode, which is rather unique in the world. KVK imparts vocational trainings to the farmers, farm women and field level extension workers. The concepts of vocational trainings in agriculture through KVK grew substantially due to greater demand for improved agricultural technology by the farmers. They not only required knowledge and understanding of the complexity of technologies, but also progressively more and more skills in various complex agricultural operations for adoptions on their farms. KVK conducts both on-campus and off-campus training programmes for various disciplines to assist capacity building of farmers. Therefore, the study was undertaken on constraints faced and suggestions offered by the farmers in availing technical guidance from KVK scientists. For the purpose, a complete list of 507 farmers was obtained from the KVK, Anand Agricultural University, Anand who have received on-campus training during 2018-19. For the study random sampling procedure was adopted for the selection of 120 respondents. The results of research findings revealed that the foremost constraints as realized by the farmers in availing technical guidance from KVK scientists were: Use of more technical words, inadequate facilities for skill-oriented training, not provided need-based technologies, lack of communication about detailed training programme, no use of proper training methods, more emphasized on lecture method, no arrangement of exposure visit, lack of experienced staff and no interaction during training. The Major suggestion offered by farmers to overcome constraints faced by them in availing the technical guidance from KVK scientists were: KVK Scientists should use less use of technical words, followed by KVK scientists should include need-based technologies, effective use of audio-visual aids including video by KVK scientist, KVK scientists should emphasis on practical exposure, KVK scientists should arrange field visit, KVK scientists should provide opportunity for participating in deliberations and regular follow-up by the KVK scientist required.*

**Keywords:** KVK, scientist, technical guidance, constraints

### INTRODUCTION

The Indian Council of Agricultural Research has a well-established frontline extension system in the form of Krishi Vigyan Kendra for effective dissemination of new technologies for the benefit of farmers in the country. KVK imparts vocational training to the farmers, farm women and field level extension workers. The concepts of vocational trainings in agriculture through KVK grew substantially due to greater demand for improved agricultural technology by the farmers. They not only required knowledge and understanding of the complexity of technologies, but also progressively more and more skills in various complex agricultural operations for adoptions on their farms. The current government's program "Doubling Farmers' Income by 2022" calls for increases in agricultural productivity, development initiatives such as Pradhan Mantri Krishi Sinchai Yojana & Pradhan Mantri

Fasal Bima Yojana, Soil health card as well as more focus on technological innovations. The government expects KVKs to aid in the dissemination of information, technologies & practices regarding these new initiatives of Government. More emphasis is given on long duration practical, self-employment-oriented trainings for unemployed rural youth and farm women.

### OBJECTIVES

- (1) To ascertain constraints faced by farmers in availing technical guidance from KVK scientists
- (2) To seek suggestions of farmers to overcome constraints in availing technical guidance from KVK scientists

### METHODOLOGY

KVK, Anand Agricultural University, Anand

organizes off campus and on campus training programmes for practicing farmers, farm women, rural youths and extension personnel for knowledge, skill development and capacity building on various need based and income generation thematic areas. To study about constraints faced and suggestions offered by the farmers in availing technical guidance from KVK scientists, a complete list of 507 farmers was obtained from the KVK, Anand Agricultural University, Anand who have received on-campus training during 2018-19 (Anonymous 2019). For the study, random sampling procedure was adopted for the selection of 120 respondents. An attempt was also made to know the constraints faced by the respondents during the training programmes at KVK, Anand. To know their degree of importance, respondents were asked to give their responses in three-point continuum i.e. very important, important and not important. Each respondent was allowed to give his opinion against the statements given in the schedule. They were also asked to add any left-out constraints to the list. The score assigned was two, one and zero for very important, important and not

important responses, respectively. Finally, the mean score for each constraint was calculated for ranking them in terms of its importance. They were asked to give their valuable suggestions to overcome constraints faced by them during training programme at KVK, Anand. Possible suggestions were obtained from the farmers. They were recorded and ranked on the basis of percentage.

## RESULTS AND DISCUSSION

### Constraints faced by the farmers in availing technical guidance from KVK scientists

Constraints in adoption of new technology never end. However, they can be minimized. The respondents were requested to express the constraints faced by them in availing technical guidance from the KVK scientists. On the basis of information received, mean score was calculated and assigned rank to each constraint; the constraints were ranked and presented in Table -1.

**Table 1: Constraints faced by the farmers in availing technical guidance from KVK scientists**

(n=120)

Sr. No.	Constraints	Mean score	Rank
1	Use of more technical words	1.508	I
2	Inadequate facilities for skill-oriented training	1.483	II
3	Not provided need-based technologies	1.416	III
4	Lack of communication about detailed training programme	1.383	IV
5	No use of modern audio-visual aids	1.308	V
6	No use of proper training methods	1.258	VI
7	More emphasized on lecture method	1.233	VII
8	No arrangement for exposure visit	1.216	VIII
9	Lack of experienced staff	1.191	IX
10	No interaction during training	1.175	X
11	No coverage of successive stories of progressive farmers	0.425	XI
12	Lack of cooperation by KVK staff	0.235	XII

As seen from the Table-1 that major constraints faced by farmers were: (I) Use of more technical words, (II) Inadequate facilities for skill oriented training (III) Not provided need based technologies, (IV) Lack of communication about detailed training programme, (V) No use of modern audio-visual aids, (VI) No use of proper training methods, (VII) More emphasized on lecture method, (VIII) No arrangement of exposure visit (IX) Lack of experienced staff, (X) No interaction during training (XI)

No coverage of success stories of progressive farmers. (XII) Lack of cooperation by KVK staff.

### Suggestions of farmers to overcome constraints in availing technical guidance from KVK scientists

The data regarding the suggestions offered by the farmers to overcome constraints in availing technical guidance from KVK scientists were collected and summarized in Table-2.

**Table 2: Suggestions offered by farmers to overcome constraints in availing technical guidance from KVK scientists.**

(n=120)

Sr. No	Suggestions	Frequency	Per cent	Rank
1	KVK Scientists should use less use of technical words	68	56.66	I
2	KVK scientists should include need-based technologies	63	52.55	II
3	Effective use of audio-visual aids including video by KVK scientists	56	46.66	III
4	KVK scientists should emphasis on practical exposure	45	37.55	IV
5	KVK scientists should arrange field visit	34	28.33	V
6	KVK scientists should provide opportunity for participating in deliberations	28	23.33	VI
7	Regular follow-up by the KVK scientist required	20	16.66	VII

The data in Table 2 revealed that the valuable suggestions offered by the farmers to overcome constraints in availing technical guidance from KVK scientists were: KVK Scientists should use less use of technical words (56.66 per cent) followed by KVK scientists should include need-based technologies (52.55 per cent) and effective use of audio-visual aids including video by KVK scientists (46.66 per cent). Then, KVK scientists should emphasis on practical exposure (37.55 per cent) and KVK scientists should arrange field visit (28.33 per cent), KVK scientists should provide opportunity for participating in deliberations (23.33 per cent) and regular follow-up by the KVK scientist required (16.66 per cent).

## CONCLUSION

To encapsulate the results it can be concluded that the important constraints offered by the farmers in availing technical guidance from KVK scientists were: Use of more technical words, inadequate facilities for skill oriented training, not provided need based technologies and lack of communication about detailed training programme. While, foremost suggestions given by famers were: KVK Scientists

should use less use of technical words, followed by KVK scientists should include need-based technologies, effective use of audio-visual aids including video by KVK scientist and KVK scientists should emphasis on practical exposure.

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