

# Social Participation and Its Relationship with Level of Knowledge about Drip Irrigation System of Drip Irrigated Banana Growers

**Bhavik Patel**

 PG Student, BACA,  
AAU, Anand, Gujarat, India.  
email id: bhavik\_patel0058@yahoo.com

**Dr. Mahesh R. Patel\***

 Assoc. Ext. Educationist, EEL,  
AAU, Anand, Gujarat, India.  
email id: newsmrp@gmail.com

**Dr. Arun Patel**

 Director, DoEE, AAU,  
Anand, Gujarat, India  
email id: arungau@yahoo.co.in

**Shri Jaydip D. Desai**

 Senior Research Assistant,  
DoEE, AAU, Anand, Gujarat,  
email id: desajid@aau.in

\*Corresponding author

**Abstract** – Social participation plays an important role in shaping level of knowledge of an individual. Keeping this in view, an attempt has been made to study social participation and its relationship with level of knowledge about drip irrigation system of drip irrigated banana growers. The result of study revealed that slightly less than three-fifth (58.00 per cent) of the drip irrigated banana growers had good social participation either through membership in at least one organization or as position holder in any of the social organization. The result of study also revealed that the social participation had positive and highly significant correlation with their level of knowledge about drip irrigation system of drip irrigated banana growers.

**Keywords** – Social Participation, Knowledge, Banana Growers.

## I. INTRODUCTION

Social participation refers to the degree of involvement of respondents in formal organizations either as a member or an office bearer. Social participation plays an important role in shaping level of knowledge of an individual. Keeping the above facts in view, an attempt has been made to study social participation and its relationship with level of knowledge about drip irrigation system of drip irrigated banana growers.

## II. METHODOLOGY

The present study was carried out in the Anand district of the Gujarat state. Anand district is comprised of eight talukas. Anand and Umreth talukas were selected purposively for the study because this two taluka having maximum number of drip irrigated banana growers.

### Selection of Villages

To select villages from each selected taluka, a list of villages along with their total number of drip sets installed in banana crop was prepared. Thereafter, names of the villages were arranged in descending order according to total number of adopters of drip irrigated banana cultivations. Afterwards, five villages having maximum number of drip irrigated banana growers from each taluka were selected purposively. Thus, the total number of selected villages for this study was ten.

### Selection of Respondents

A simple random sampling procedure was used for the selection of drip irrigated banana growers. The drip irrigated banana growers who had installed and used drip

irrigation system in their banana crop successively, were included in the list. Thereafter, ten drip irrigated banana growers from each of the identified villages were selected by simple random sampling method. Thus, 100 drip irrigated banana growers were selected to serve as the respondents for the study.

### Social Participation

Information regarding membership of respondents in different organizations was collected and quantified on the basis of scoring system given as under:

No.	Category	Score
1	No membership	1
2	Membership in one organization	2
3	Membership in two organizations	3
4	Membership in more than two organizations	4
5	Membership along with position holding	5

Karl person coefficient of correlation( $r$ ) was calculated to find out the relationship between extension contact and level of knowledge.

## III. RESULTS AND DISCUSSION

### Social Participation

Social participation denotes participation of respondents in different social organizations. Those who have wider social participation are likely to have more community-orientation, knowledge and resourcefulness which in turn may affect on shaping their knowledge about drip irrigation system in banana cultivation. With this in view, social participation of the respondents was studied and data are presented in Table 1 and graphically depicted in Figure 1.

Table 1. Distribution of the respondents according to their social participation  
n = 100

No.	Social participation	Frequency	Per cent
1	No Membership	42	42.00
2	Membership in one organization	37	37.00
3	Membership in two organizations	10	10.00
4	Membership in more than two organizations	05	05.00
5	Membership along with position holding	06	06.00
<b>Total</b>		100	100.00

The data mentioned in the Table 1 concluded that slightly more than two-fifth (42.00 per cent) of the drip irrigated banana growers had no membership in any organization, followed by 37.00 per cent, 10.00 per cent, 06.00 per cent and 05.00 per cent of them had membership in one organization, membership in two organizations, membership along with position holding and membership in more than two organizations, respectively.

It could be stated from the above findings that slightly less than three-fifth (58.00 per cent) of the drip irrigated banana growers had good social participation either through

membership in at least one organization or as position holder in any of the social organization. The result indicates that having higher education, drip irrigated banana growers might have understood importance of social organization as an important source of sharing useful information or inputs for farming and they have felt village organization as an important service oriented and social contact oriented organization. This might be the reason for above findings.

The result of the study was conformity with the findings of Parmar (2008) and Gulkari (2014).

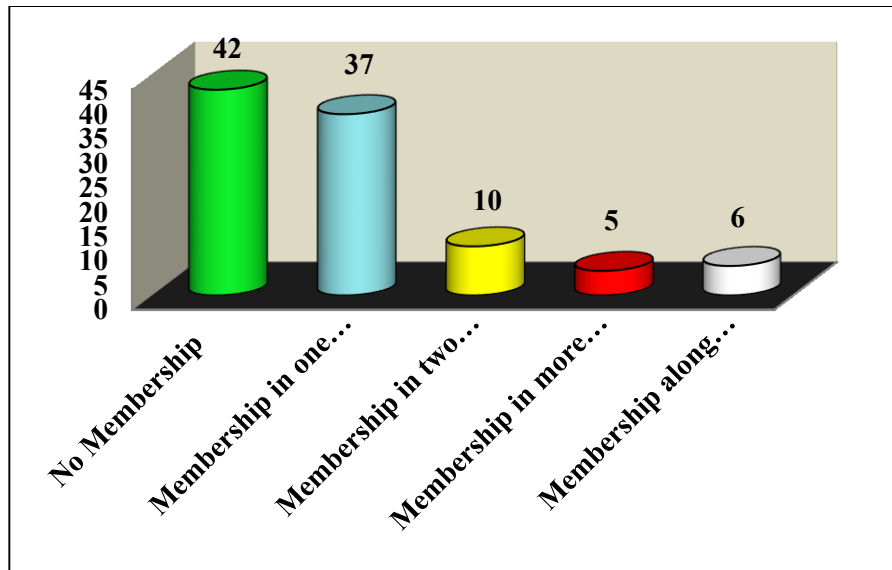


Fig. 1. Distribution of respondents according to their social participation

### *Social Participation and Knowledge*

The calculated value of  $r = 0.399^{**}$  reflected that there was positive and highly significant correlation between social participation of drip irrigated banana growers and their knowledge about drip irrigation system. Thus, it can be inferred that social participation of drip irrigated banana growers had significant influence in increasing their knowledge about drip irrigation system.

The probable reason behind such result might be that having higher education and more participation in various organizations leads to contact of various sources of information which might have helped them to get exposure and share knowledge regarding drip irrigation system with other members.

This finding is supported by the findings of Kumar (2006), Dalvi *et al.* (2013), Bhoi *et al.* (2014) and Dhayal and Mehta (2015).

### *Summary*

From above study it is revealed that slightly less than three-fifth (58.00 per cent) of the drip irrigated banana growers had good social participation either through membership in at least one organization or as position holder in any of the social organization.

It is also revealed that the social participation had positive and highly significant correlation with their level of knowledge about drip irrigation system of drip irrigated banana growers.

### **REFERENCES**

- [1] Bhoi, G. N., Patel, J. K. and Patel, B. S. (2014). Determinants of knowledge about castor production technology among frontline demonstrations beneficiaries. *Gujarat J. Exn. Edn.*, 25(1) : 78-79.
- [2] Dalvi, S., Salunkhe, S. and Rai, S. (2013). Relationship between the personal characteristics of BT and non BT cotton growers and their level of knowledge. *Gujarat J. Exn. Edn.*, 24: 78-79.
- [3] Dhayal, B. L. and Mehta, B. M. (2015). Association between personal attributes of farmers with their knowledge and adoption of green gram production technology in Chhotaudaipur district. *Gujarat J. Exn. Edn.*, 26(2) : 169-172.
- [4] Gulkari, K. D. (2014). Risk management practices adopted by the farmers in drip irrigated banana cultivation. Unpublished Ph. D. (Agri.) thesis, AAU, Anand.
- [5] Kumar, P. B. (2006). A study on knowledge and extent of adoption of recommended paddy production technology by the paddy growers in Khambhat Taluka of Anand District. Unpublished M. Sc. (Agri.) thesis, AAU, Anand.