

## KNOWLEDGE OF FARMERS ABOUT BANANA PSEUDOSTEM BASED 'NAUROJI NOVEL' ORGANIC LIQUID FERTILIZER IN SOUTH GUJARAT

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### ABSTRACT

*The present study was conducted in south Gujarat region. The south Gujarat region which consists of seven District viz., Narmada, Bharuch, Surat, Tapi, Navsari, Valsad and the Dangs. Under this investigation all the seven districts were covered. The list of 'Nauroji Novel' users of each seven districts was obtained from the Research scientist, Soil and Water Management Research Unit, NAU, Navsari. 28 villages of 14 talukas of 7 districts were selected by using proportionate random sampling method. 140 respondents were selected as a sample size. This study was concluded majority of respondents belonged to moderate knowledge about 'Nauroji Novel' organic liquid fertilizer.*

**Keywords:** knowledge, pseudostem, organic liquid fertilizer

### INTRODUCTION

The constant and sustained efforts of the scientists have helped to increase the production of bio fertilizers and organic fertilizers. One of them project 'A Value Chain on Utilization of Banana Pseudostem for fibre and Other value Added Products' was sanctioned under NAIP (comp.2) in consortium mode by ICAR, New Delhi during 2008. In this project, through concerted efforts of all the partners of this consortium enriched sap (organic liquid fertilizer) has been developed. In spite of several beneficial roles imparted by Banana Pseudostem based 'Nauroji Novel' organic liquid fertilizer, their use has so far been limited. Although, Banana Pseudostem based 'Nauroji Novel' organic liquid fertilizer has been promoted for the last few years, there are no systematic studies to know information possessed by the farmers about Banana Pseudostem based 'Nauroji Novel' organic liquid fertilizer in south Gujarat. In this context, an attempt has been made to carry out the present investigation.

### METHODOLOGY

The study was conducted during February-April 2017 in south Gujarat region. The south Gujarat region which consists of seven District viz., Narmada, Bharuch, Surat, Tapi, Navsari, Valsad and The Dangs. Under this investigation all the seven districts were covered. The list of 'Nauroji Novel'

users of each seven districts was obtained from the Research scientist, Soil and Water Management Research Unit, NAU, Navsari. The list was bifurcated according to districts, talukas and villages. Bifurcated list was used to identify the respondents and for that a proportionate random sampling method was adopted. Considering the vast geographical area under present study, the Student Advisory Committee has suggested to restrict the respondent size up to 140. Ex-post facto research design was used. In light of the objectives, the interview schedule was prepared and respondents were interviewed at their home and field. The collected data were analyzed by using percentage, mean and standard deviation.

### RESULTS AND DISCUSSION

#### Knowledge of farmers about banana pseudostem based 'Nauroji Novel' organic liquid fertilizer

Knowledge is a product of education and can be meant as understood information possessed by an individual. The data regarding knowledge of respondents about Banana Pseudostem based 'Nauroji Novel' organic liquid fertilizer were analyzed, tabulated and presented in the following sequence according level of knowledge.

The findings were presented in table 1.

**Table 1: Distribution of respondents according to their knowledge n=140**

Sr. No.	Levels of knowledge	Frequency	Percent
1	Lower knowledge	40	28.58
2	Moderate knowledge	80	57.14
3	Higher knowledge	20	14.28

The data of the table 1 revealed that majority of the respondents (57.14 per cent) had moderate knowledge followed by 28.58 and 14.28 per cent of them had lower and higher knowledge about 'Nauroji Novel' organic liquid fertilizer respectively.

In general, majority of respondents (85.72 per cent) had moderate to lower knowledge about 'Nauroji Novel' organic liquid fertilizer. This infers that technical knowhow of 'Nauroji Novel' organic liquid fertilizer were not perceived in depth by the respondents therefore, the rigorous efforts are to be needed to identify the constraints or difficulties about it by NAU, Navsari and all KVK's working in south Gujarat region to improve use of it in more sustainable manner.

The finding is in concurrence with findings reported by Lavison (2013), Magarvadiya and Patel (2014) and Kaur *et al.* (2015).

**CONCLUSION**

It can be concluded that majority of respondents had moderate knowledge about banana pseudostem based 'Nauroji Novel' organic liquid fertilizer.

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