

Knowledge of Farmers Regarding Wheat Production Technology

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ABSTRACT

The study was conducted to know level of Knowledge of wheat production technology of the Farmer Vaso Taluka of Kheda District. As per government census area covered under wheat production, the farmers were randomly selected from 10 villages of Vaso taluka for this study. Total 100 farmers were selected by random sample method. The data were collected by personal contacts. All farmers were having knowledge regarding type of soil requirement, climatic requirement, and need of deep ploughing, depth of sowing of seed, varieties and its seed rate like LOK-1, GW-496 and GW-173 of the wheat crop. Followed by Majority of the farmers (85.00%,83.00%,72.00%,71.00%) were having knowledge regarding variety GW-273,Need of FYM if it is not given in kharif season,Azotobacter and PSB culture treatment ,seed treatment for control of termite by chlorpyrifos respectively. While, 70.00%of farmers were having knowledge regarding sowing time of wheat and variety GW-190.slightly more than half (67.00%) were knowing early sowing variety GW-190 and its seed rate and also knowing about control of termite with endosulfan, 65.00% farmers were knowing regarding irrigation at flowering stage while, 62.00% farmers were having knowledge regarding sowing in line, application of FYM and its quantity at first plough, and irrigation at Dough stage. It is interesting that nobody were having knowledge regarding various soil nutrients excluding phosphorous and potash deficiency symptoms and its management.

Keywords : *Wheat production technology, Knowledge level*

In India, wheat is grown over an area of 23.61 million hectares with total production of 44.25 million tones of grains annually. Wheat is second important staple food crop after rice in India. Wheat grain flour is used in form of chapati, puri, bread, cake, sweetmeats, halwa, etc. Wheat provides characteristic substance “Gluten” which is very essential for bakers. The cultivation of wheat in India is confined mainly to the states of Uttar Pradesh, Madya Pradesh, Punjab, Haryana, Rajasthan, Bihar, Maharashtra, and Gujarat. In Gujarat, wheat is grown in about 6 to 7 lakh hectares, of which irrigated wheat contributes about 75 to 80 per cent and remaining 20 to 25 per cent area is under rain fed cultivation. Irrigated wheat is mostly grown in Mehsana, Banaskantha, Sabarkantha, Kheda and Saurashtra region, while unirrigated wheat is grown in about 1.5 lakh hectares with total production of 80 thousand tones and it is mostly grown in Bhal region consisting of some parts of Kheda, Ahmedabad, Bhavnagar and Surendranagar districts.

Considering the importance of wheat crop grown in kheda district, the present study was carried out.

OBJECTIVE

To find out the knowledge level of the farmer regarding wheat production technology.

METHODOLOGY

The study was conducted in Vaso taluka of Kheda district of Gujarat state. According to the production area of wheat crop, 10 villages of Vaso taluka named Vaso, Palana, Pij, Siholadi, Laval, Alindra, Malyataj, Khutaj, Nandoli, and Heranj were selected for this study. Total 100 farmers were selected by random sample method. The data of the study was collected by personal interview. The interview schedule was prepared keeping in view the objectives of the study. The statistical measure such as percentage was used to analyze the data.

RESULTS AND DISCUSSION

Table 1 : Knowledge level regarding wheat production technology of farmers

n=100

Sr. No.	Practice	Per cent
		Having Knowledge
A	About type of soil	
1	In which type of soil wheat is grown?	100.00
2	Which is the ideal soil for wheat?	100.00
3	Which type of soil is not suited for wheat?	100.00
B	About Climatic requirement	
1	In which type of climate wheat is grown?	100.00
2	How much temperature is suitable for wheat?	100.00
3	Which type of climate is badly affected on wheat?	100.00
C	About sowing	
1	Which is the time for early sowing?	70.00
2	Which is the time for timely sowing?	70.00
3	Which is the late sowing time for wheat?	70.00
4	What is the sowing distance for wheat?	52.00
5	What is the sowing distance for late sowing wheat?	37.00
D	About land preparation	
1	Is there a need to plough deeply?	100.00
2	Is there a need to plough twice by plank?	45.00
3	Is there need to add FYM if it is not added in kharif about 10-15 ton/ha.?	83.00
4	Is there need to add gypsum 1.5 to 2 ton in salty soil?	51.00
5	Is there a need to add 8 kg zinc phosphate and 15 kg.sulphate before sowing in zinc and iron deficit soil?	35.00
6	Is there a need to sow seed in line?	62.00
7	Sowing seed 5-6 cm deep?	100.00
E	About variety and Seed rate	
1	About timely sowing variety and its seed rate	
a	LOK-1	100.00
b	GW-496	100.00
c	GW-503	46.00
d	GW-190	70.00
e	GW-273	85.00
f	GW-322	27.00
g	GW-113	28.00
h	RAJ-1555	45.00
2	About late sowing variety and its seed rate	
a	GW-173	100.00
b	LOK-1	100.00
3	About early sowing variety and its seed rate	
a	GW-190	67.00