

Knowledge level.....

nine 'small farmers' of progressive village (PV) 66.66 per cent had high knowledge level, whereas out of five small farmers of non-progressive village (NPV) only 20.00 per cent had high knowledge.

In the 'medium category', 60.71

percent of farmers from PV and 52.63 per cent from NPV had high knowledge level. In the 'Big farmers category' only 38.88 per cent farmers from the progressive village and 45.16 per cent from non-progressive village had high knowledge.

Table 1 : Distribution of respondents of different categories on the basis of their knowledge level in the progressive and non-progressive villages.

Categories of farmers	Knowledge level of farmers					
	Progressive village			Non-progressive village		
	High	Low	Total	High	Low	Total
Small	6 (66.66)	3 (33.34)	9 100.00	1 (20.00)	4 (80.00)	5 100.00
Medium	17 (60.71)	11 (39.29)	28 (100.00)	10 (52.63)	9 (47.37)	19 (100.00)
Big	7 (38.88)	11 (61.12)	18 (100.00)	14 (45.16)	17 (54.84)	31 (100.00)
Total	30 (54.55)	25 (45.45)	55 (100.00)	25 (45.45)	30 (54.55)	55 (100.00)

Figures in brackets indicate percentage

Table 2 : Existing knowledge of respondents about rainfed farming technology in progressive and non-progressive villages.

Sr. No.	Name of Practices	Progressive Village (percent farmer)	Non-progressive Village (Percent farmer)
A.	Use of improved seed varieties		
i	Maize	81.81	70.90
ii	Groundnut	63.63	33.63
iii	Urd	69.03	50.90
iv	Moong	50.90	27.27
v	Jawar	43.63	31.81
vi	Sunhemp	33.63	76.36
vii	Til	33.63	36.36
B.	Use of rainfed farming practices		
i	Sumar ploughing	94.54	100.00
ii.	No tillage practices	50.00	52.72

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Sr. No.	Name of Practices	Progressive Village (percent farmer)	Non-progressive Village (percent farmer)
	iii. Mulching	00.00	00.00
	iv. Bunding	50.00	83.63
	v. Hoeing	50.00	52.00
	vi. Line sowing	66.36	71.81
C.	Seed treatment	61.81	33.33
D.	Seed and sowing	64.07	56.83
E.	Mixed cropping and their advantages	63.18	52.72
F.	Intercropping practices	67.02	57.62
G.	Plant protection measures	56.36	36.36
H.	Fertilizer application	72.72	61.35
I.	Weed Management	9.09	0.00
J.	Harvesting & Storage	70.09	60.00

Table-2 shows the percentage of farmers who had knowledge about various practices of rainfed farming technology. A larger percentage of farmers of progressive village had knowledge of improved varieties of maize, groundnut, urd, moong, jowar than farmers of non-progressive village, who had more knowledge about sunhemp and til.

Among the rainfed farming practices, more residents of NPV had knowledge of all the rainfed farming practices viz., summer ploughing, no tillage practices, bunding, hoeing and line sowing than the progressive villages. no farmer of either village had any knowledge about mulching.

About other practices, more progressive village inmates had knowledge about rest all of the practices viz. seed treatment, sowing, mixed cropping, intercropping, plant protection measures, fertilizer application, weed management, harvesting and storage, than their counterpart in the non-progressive village.

The observations in Table-3 indicate the gap in knowledge and the rank position of gap for various practices for farmers of progressive and non-progressive village. Half of the practices received identical ranking, whereas there was only slight difference in ranks for other practices.

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Table-3 : Technological gap for knowledge level of rainfed farming technology shown by the respondents of progressive and non-progressive vil-lages.

Name of practices	Progressive village			Non-progressive Village		
	Existing knowledge (%)	Knowledge gap (%)	Rank	Existing knowledge (%)	Knowledge gap (%)	Rank
Improved seed and their advantages	53.76	46.24	II	39.60	60.40	IV
Use of rainfed farming practices	59.73	40.27	IV	59.69	40.31	VIII
Seed treatment	61.81	38.29	V	33.33	66.67	II
Seed and sowing	64.07	35.93	VII	56.83	43.17	VI
Mixed cropping and their advantage	63.18	36.82	VI	52.72	47.28	V
Plant Protection measures	56.36	43.64	III	36.36	63.64	III
Fertilizer application	72.72	27.78	X	61.35	38.65	X
Intercropping practices	67.02	32.98	VIII	57.62	42.98	VII
Weed management	9.09	90.91	I	00.00	100.00	I
Harvesting and storage	70.09	29.91	IX	60.00	40.00	IX

CONCLUSION

The study revealed that although the farmers of progressive village and non-progressive village had knowledge about rainfed farming technology, still there

exists a wide gap, some practices. It was also found that farmers of progressive village had significantly more knowledge than farmers of non-progressive village.