

Home science

1) Assessment – (Year -1)

1	Title	Use of Bio- Fortified (Red) Rice in daily consumption to overcome malnutrition for the women
2	Objectives	:i) To create awareness of food & nutrition requirement of the Aganvadi mahila ii) To prepare Bio-fortified Rice recipes.
3	Problem diagnose/ identified	Under nourishment / malnourishment of infants & adolescent girls in rural area due to lack of iron, calcium, protein rich food
4	Details of technologies selected for assessment	Enrichment of Bio- fortified Rice recipes T1- Farmers practice : Regular diet T2- Technology assessed : T1 + Bio-Fortified Rice Recipes.
5	Source of technology	NAU, Navsari
6	Thematic area	Malnutrition
7	Performance of the Technology with performance indicators	1. Weight (kg) – i) Initial Wt. ii) Final Wt. (3 month interval) 2. Hb level
8	Final recommendation for micro level situation	-
9	Constraints identified and feedback for research	-
10	Process of farmers participation and their reaction	Adolescent girls like the Red rice test and appearance. Also they like recipes of red rice like Khir , Lapsi and Bhakri.

11) Result :

Crop/ Enterprise	Farming situation	Problem definition	Title of OFT	No. of Trials	Parameters of assessment	Data on the parameter	Result of assessment
1	2	3	4	5	6	7	8
Red Rice GNR 4	Rainfed	1.Under nourishment/ malnourishment of infants & adolescent girls in tribal area 2. No use of Red rice in daily diet	Use of Bio-Fortified Rice in daily consumption to overcome malnutrition for the women	20	1.Weight Kg 2. Hemoglobin	34.65 10.11	1.Increase the Hemoglobin level 2.Increase the weight

Feedback from the farmer	Any refinement needed	Justification for refinement	Technology assessed	Source of technology
9	10	11	12	13
Farm women like the Red rice test and appearance. Also they like recipes on red rice like Khir , Lapsi and Bhakri.	-	-	Manual practice	Farmers practice
			Regular diet	Technology assessed: T1 + Nutrition rich Bio-Fortified Rice Recipes NAU, Navsari

Name of the Crop	No. of women	Performance parameter /indicators	Data on parameter in relation to technology demonstration		% change in the parameter	Remarks
			Local check (T1)	Demon. (T2)		
GNR-4 Red Rice	20	Weight	33.17	34.65	4.46	1.Increase the Hemoglobin level 2.Increase the weight
		Hemoglobin	9.99	10.11	1.20	

2) Assessment -

1	Title	Use of Modified Plastic rain coat for working women in rainy days
2	Objectives	1. To protects form rain during working in rainy days for rice planting. 2. Increasing working efficiency in rainy days.
3	Problem diagnose/ identified	Due to working in direct rain it reduces the working efficiency of women and adversely affects on health.
4	Details of technologies selected for assessment	Use of Modified plastic rain coat T ₁ – Use of simple plastic bag or traditional Eral to protect from rain T ₂ – Use of Modified plastic raincoat
5	Source of technology	KVK Kosbad Hill
6	Thematic area	Health
7	Performance of the Technology with performance indicators	1. Suitability & convenient of rain coat 2. Working efficiency 3. Health
8	Final recommendation for micro level situation	-
9	Constraints identified and feedback for research	-
10	Process of farmers participation and their reaction	1. Farm women satisfied using Modified Rain coat. 2. They are very happy to using Modified Rain coat.

11) Result :

Crop/ Enterprise	Farming situation	Problem definition	Title of OFT	No. of Trials	Technology assessed	Parameters of assessment	Data on the parameter	Result of assessment
1	2	3	4	5	6	7	8	9
Modified Plastic Rain Coat	Rainfed	Due to working in direct rain it reduces the working efficiency of women and adversely affects on health	Use of Modified Plastic rain coat for working women in rainy days	25	Use of Modified Plastic rain coat for working women in rainy days	1. Suitability & convenient of rain coat 2. Working efficiency 3. Health	90 % 13.33 84 %	1. Using Modified Rain coat farm women's 84% health problems reduce. 2. Increasing working efficiency due to Modified rain coat. 3.98% farm women satisfied using Modified Rain coat.

Feedback from the farmer	Any refinement needed	Justification for refinement	Technology assessed	Source of technology
10	11	12	13	14
1. Farm women satisfied using Modified Rain coat. 2. They are very happy to using Modified Rain coat.	-	-	Manual practice Technology	Use of simple plastic bag to protect from rain - Use of Modified plastic raincoat KVK, Kosbad Hill

Name of the Technology	No. of farm women	Performance parameter /indicators	Data on parameter in relation to technology demonstration		% change in the parameter	Remarks
			Local (T1)	Demon. (T2)		
Modified Plastic Rain Coat	20	Health	14.2	2.25	84%	1. Using Modified Rain coat farm women's 84% health problems reduce. 2. Increasing working efficiency due to Modified rain coat. 3.98% farm women satisfied using Modified Rain coat.
		Working efficiency Labor requirement per Ha	Decrease 60 labor / Ha	Increase 52 labor /Ha	13.33	
		Suitability and convenient	2	20	90%	

