

## OFT-11 (Animal Science)

- **Thematic area:** Livestock production and management
- **Problem definition/Name of OFT:** Low body weight gain in goat

1.	<b>Title of On farm Trial (OFT)</b>	:	<b>Assessment of Saccharmyces and Lactobacillus based probiotics as growth promoters in goats</b>			
2.	<b>Problem diagnosed</b>	:	Low body weight gain in goat			
3.	<b>Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)</b>	:	<b>FP-</b> Natural grazing with use of anthelmintics (Oxyclozanide@ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at pre and post rainy season  <b>TO<sub>1</sub></b> – FP + use of probiotics @ 5 gm daily  <b>TO<sub>2</sub></b> – Natural grazing with use of probiotics @ 5 gm daily and anthelmintics (Oxyclozanide@ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at 3 months interval			
4.	<b>Source of Technology (ICAR/ AICRP/SAU/other, please specify)</b>	:	W.B.U.A.F.S. Kolkata			
5.	<b>Production system and thematic area</b>	:	Livestock production and management			
6.	<b>Performance of the Technology with performance indicators</b>	:	<b>Technical Options</b>	<b>Parameters</b>		
				<b>Initial body weight (kg)</b>	<b>Initial body weight (kg)</b>	<b>Initial body weight (kg)</b>
			Open grazing	4.5	4.5	4.5
				5.0	5.0	5.0
7.	<b>Final recommendation for micro level situation</b>	:				
			Natural foraging with use of probiotics @ 5 gm daily and anthelmintics (Oxyclozanide @ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at 3 months interval give better performance as compared to farmer's practices.			
8.	<b>Constraints identified and feedback for research</b>	:	This type of trial is not successful because goat keeper is illiterate, they do not follow timely drugs supplementary			
9.	<b>Process of farmers participation and their reaction</b>	:	Farmers reaction is positive dur to drastic change in body weight gain in goats.			

**B. Results with Table and good quality photographs in jpg.**

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (kg/goat )	Cost of cultivation (Rs./year)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Livestock production and management	FP- Natural grazing with use of anthelmintics (Oxyclozanide@ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at pre and post rainy season	10	10	12.60	3660	10080	6480	2.8
	FP + use of probiotics @ 5 gm daily	10	10	14.50	3720	11600	7880	3.12
	Natural grazing with use of probiotics @ 5 gm daily and anthelmintics (Oxyclozanide@ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at 3 months interval	10	10	16.30	3880	13040	9160	3.36

