- **Thematic area: Crop Production**
- **Problem definition/Name of OFT: Organic cultivation package in Cauliflower.**

1.	Title of On farm Trial (OFT)	Organic cultivation package in Cauliflower.
2.	Problem diagnosed	Excessive use pesticides in cauliflower cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technological Options: Technology Details **Farmer Practice:** Application of 5 MT FYM/ha + 32kg N + 23kg P2O5 + 15kg K2O/ha through inorganic source **Technological Option 1:** Application of 5 MT FYM + 25% of RDF (NPK) through organic source **Technological Option 2:** Seed and seedling treatment with Beejaamrit + 3 spray of Jeevaamrit at 21 days interval + application Ghanjeevaamrit @ 1q/ha as basal application and 30 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Ram Krishna Mission, KVK, Ranchi & National Centre on Organic Farming, Ghaziabad
5.	Production system and thematic area	**Crop Production**
6.	Performance of the Technology with performance indicators	Plot size (10x10 m2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data
7.	Final recommendation for micro level situation	• On the basis of OFT result **Cauliflower** crop with application of Seed and seedling treatment with • Beejaamrit + 3 spray of Jeevaamrit at 21 days interval + application • Ghanjeevaamrit @ 1q/ha as basal application and 30 DAS
8.	Constraints identified and feedback for research	Farmers grow of **Cauliflower under Organic cultivation** without chemical fertilizer.
9.	Process of farmers participation and their reaction	Training and field day

Result: Conducted OFT at 07 locations on Organic cultivation package in Cauliflower. Results of the trials indicates that (T3) application of Beejaamrit + 3 spray of Jeevaamrit at 21 days interval + application of Ghanjeevaamrit @ 1q/ha as basal application higher yield 165.56q/h followed by (T2) application of 5 MT FYM + 25% of RDF (NPK) through organic source increases the yield of 155.45 q/ha and FP (T1) application of 5 MT FYM/ha + 32kg N + 23kg P2O5 + 15kg K2O/ha through inorganic source which yield 135 q/ha. The highest net return (Rs.126720/ha) and BC ratio (3.26) was recorded in T3 followed by T2 (2.76) and T1 (2.02).

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 (q/ha)**	**Cost of cultivation(Rs./ha)**	**Gross return (Rs/ha)**	**Net return(Rs./ha)**	**BC ratio**
		Proposed	**Actual**					
Crop Production	PF	2.5	2.5	135	44680	135000	90320	2.02
	T1			155.45	41250	155450	114200	2.76
	T2			165.56	38840	165560	126720	3.26

Data collection

Cauliflower field

Data collection

Crop cutting