

# Achievements of Frontline Demonstrations-2023

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)	
				Proposed	Actual
1	Rice	Varietal substitution	HYV rice variety Kalinga dhan 1203 Kalinga dhan 1205	2	2
2	Rice	weed management	Application of Cyhalofop butyl + Penoxulam @ 135g/ha at 20 DAT	2	2
3	Maize	Varietal substitution	Maize hybrid -Kalinga raj (OMH 14-27)	2	2
4	Maize	weed management	Pre-emergence application Atrazine 50 % wp @1.0 kg ai/ha followed by Tembotrine 115 ai ml/ha at 21 DAS( 4-5 leaf stage)	2	2
5	Rice		Use of tractor drawn rotavator	1 ha	1 ha
6	Mushroom		Pre-cooling 6 kg paddy straw mushroom at 14°C for 2h followed by packing in 75 µ HIPS punnet (24 no of punnets with 250 g sample) can be transported to distant markets in modified EPS cabinet with 6 kg ice placed in the separate side compartment		
7	Tomato		Use of 50 micron mulch film with inline drip irrigation (emitter discharge 4 lph) operating for 1 hr-2hr daily and water use efficiency will be increased by 30-40% yield enhancement (15-20)%	0.8 ha	0.8 ha
8	Groundnut		Demonstration on tractor drawn multicrop seed cum fertilizer drill for sowing groundnut	2 ha	2 ha
10	Cow	LPM	Grazing+ concentrate +Bypass fat @15-20 gm/kg milk/day +Mineral mix @50g/cow/day	10 cows	10 cows
11	Goat	LPM	After 6-8 hrs of free grazing feeding of kid with probiotics @ 3g/goat/day and concentrate @ 1.5% of bw for 6 months Feeding of probiotics along with concentrate increases feed efficiency and will support body weight gain	60 goats	60 goats
12	Goat	LPM	Deworming of kids along with Vit B12 supplementation and also Concentrate feeding Concentrate @1.5% of BW	100 goats	100 goats
13	Poultry	LPM	Rearing of day old Kalinga Pallishree chick with proper brooding (feeding upto 21 days and vaccination upto 28 days) and further rearing in backyard system	360 nos. of day old chicks	360 nos. of day old chicks

