

Demonstration of Integrated weed management in cotton



FP: manual weeding at 25 and 50 DAS

RP: PE-pendimethalin @ 1.0 kg a.i./ ha +POE Quizalofop-p-ethyl @ 50g a.i./ ha at 20 DAS +1 HW at 45 DAS

Source: SLREC, 2015

Season – Kharif 2023 (II) No. of beneficiaries – 10 Area -1 ha , Variety- Raghaba -9, Village- Bagbar,Paikapali Farming situation- Rainfed medium land

Results	No of boll/plant	Boll Weight/plant (g/plant)	Weed control efficiency (%)	Sympods / plant	Seed cotton yield (q/ha)	% yield increase over FP	Gross Income (Rs./ha)	Net Income (Rs./ha)	B:C Ratio
FP	62.6	3.8	48.8	24.5	19.8		137592	58592	1.74
RP	73.4	3.9	71.5	28.3	23.3	17.6	163566	89566	2.33

Farmers' feedback: IWM practices control both grasses and BLWs in cotton and increase productivity compared to manual weeding

Demonstration of Integrated disease management for sheath blight in rice



FP- Hexaconazole 5%EC @ 1 ml/ltr of water at peak infection stage

RP- Seed treatment with Vitavax power 75% WP @2.5g/kg of seed + alternate spraying of (Trifloxystrobin 25% + Tebuconazole 50%WG) @ 200 g/ha & Thifluzamide 24SC @ 500 ml/ha at weekly interval from appearance of the disease infection.

Source: OUAT SLREC Proceedings, 2020

**Season –Kharif 2023 (II) No. of beneficiaries – 10 Area covered –1 ha , Variety- Pooja
Farming situation- Rainfed medium land, Village-Sargunamunda, Paikapali**

Results	EBT/hill	sheath blight (%)	Grain yield (q/ha)	% yield increase over FP	Gross Income (Rs/ha)	Net Income (Rs/ha)	B:C Ratio
FP	17.4	24.8	42.1		91904	33737	1.58
RP	24.2	12.3	50.9	20.9	111114	49039	1.79

Farmers' feedback: IDM practices could manage sheath blight incidence in paddy effectively and increased grain yield by 20.9%.

Demonstration of Packaging and storage method for shelf-life enhancement and transportation of paddy straw mushroom



FP- Selling of fresh Mushroom in polythene bags

RP- Pre cooling of 6 kg paddy straw mushroom at 14°C for 2 hours followed by packing in 75 μ HIPS punnet

Source-AICRP on PHT, CAET, OUAT ,2017-18

Season – Kharif 2023 (I) No. of beneficiaries – 10, Village- Sahajpita, Laturpet

Results	Shelf life (Days)	% veil opening (After 2days)	Sensory evaluation	Gross cost (Rs/6kg)	Gross return (Rs/6kg)	Net Return (Rs/6kg)	B:C Ratio
FP	1	65	6	480	1080	600	2.25
RP	3	14	8	540	1380	840	2.55

Farmers' feedback: Storage cabinet increase the self life and also quality of paddy straw mushroom during transportation.