

Demonstration on BPH tolerant high yielding rice variety, Hasanta



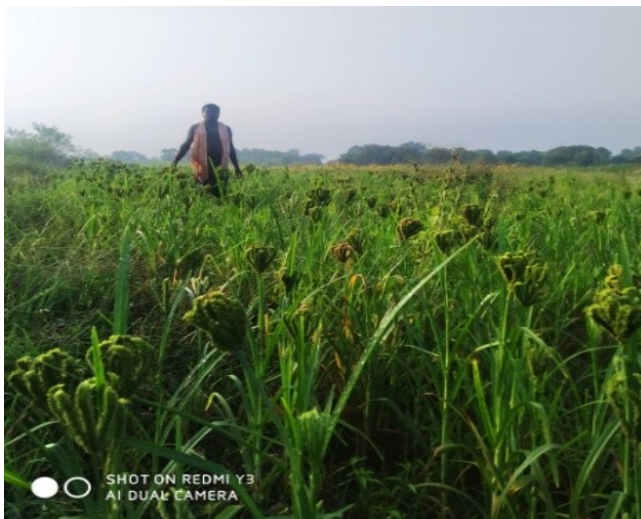
Season –Kharif-2021 No. of beneficiaries – 10 Area- 1ha Village- Jampali, Bejpali,

FP: Susceptible low land rice variety Pooja

Demo: BPH tolerant high yielding rice variety, Hasanta

Results	No of BPH /Hill	Tillers / hill	Grains /panicle	Yield (Qt /ha)	% Change over FP	Net return Rs/Ha	B:C ratio
FP	14	15	179	28.09	-	15632	1.56
RP	2	21	213	40.22	43.2	30321	2.02

Demonstration of Finger millet (Var. Arjun)



Season –Kharif-2021

No. of beneficiaries – 10

Area- 1ha

Village- Paikapali, Menda

FP: Growing of Local variety - Sunadei

Demo: Growing of Finger Millet Var. Arjun with 50-40-25 kg N-P₂O₅-K₂O/ha along with Zinc @ 12.5 kg/ha + herbicide oxyflurofen @ 37.5 g/ha + one hand weeding at 21 DAS

The variety having duration 100-105 days, yield potential 6t/ha, Resistance to blast and stem borer

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Results	Plant height (cm)	No of effective tillers per hill (no.)	No of Finger length (cm)	No of fingers per ear	Yield (qt/ha)	Cost of Cultivation	Gross income	Net Income (Rs./ha)	BC Ratio
FP	82.5	1.4	5.88	5	9.64	23400	39529	16129	1.68
RP	85.8	2.4	8.02	10.2	16.80	23800	54332	30532	2.28

Demonstration on transplanting method to check poor growth in initial stage of watermelon.



Season –Rabi-2021-22 No. of beneficiaries – 10 Area- 0.5ha Village- Bagchhera,Lakarma

FP: Direct planting of seed in main field

Demo: Nursery Preparation- Nursery for watermelon can be prepared with either polythene bags of 200 gauge,10 cm diameter & 15 cm height or through portrays under protected Nursery.

Fill the bag with 1:1:1 soil,s and & FYM. Transplant about 12 days old seedling in main field

Planting- Spread the lateral tubes in the centre of each bed. Irrigate the bed with Drip system .Plant the seedlings in the holes made at 60 cm distance.

Results	Avg. fruit weight	No. of fruits/pl ant	Days to harvest	Yield (qt/ha)	Cost of Cultivation	Gross income	Net Income (Rs./ha)	BC Ratio
FP	4.6	6.1	128.5	382.6	185930/-	573900/-	387970/-	3.08
RP	6.2	8.4	115.7	433.4	195620/-	650100/-	446944/-	3.32

Demonstration on IPM practices for management of pod borer in pigeon pea



Season –Kharif-2021 No. of beneficiaries – 10 Area- 1ha Village- Bagbar, Phulachara

FP: Only chemical pesticide application

Demo: Installation of Pheromone traps @ 25nos/ha, Spraying of Azadirachtin 1500ppm @ 1.5 ltr/ha at 50% flowering followed by flubendiamide 480SC @ 200ml/ha and Bt @ 1kg/ha (2g/litre) at 15 days interval

Results	No. of pod borer infested larvae/plant	Cost of Cultivation	Yield(qt/ha)	Gross income	Net Income (Rs./ha)	BC Ratio
FP	3.60	52985	16.4	103320	50335	1.95
RP	0.72	58376	20.2	127260	68884	2.18

Demonstration on Artificial brooding management in chicks



Season –Kharif-2021

No. of beneficiaries – 10

Village- Bankabija, Jampali, Jaloi

FP: Purchasing desi chicks from local sellers. No brooding management.

Demo: Brooding management of Vanaraja chicks for 21 days with floor space of 0.3 ft² with help of chick guards, artificial heat @1-3 watt/chick, feeder and drinkers @ 1 each for 50 birds.

Vaccination against RD on 7th, 28th day IBD on 14th day. Feeding of starter feed during brooding. Use of electrolytes, preventive antibiotics during brooding.

Results	Body weight (gm) 28days	Chick mortality (%) upto 28 days	Gross cost (Rs) (100 birds)	Gross Income (Rs.) (100 birds)	Net profit(Rs.)	BC Ratio
FP	145	22	2500	3500	1000	1.4
RP	235	8	3200	5500	2300	1.7