



ICAR - KRISHI VIGYAN KENDRA
(Hosted by CREED)
Ariyalur District, Tamil Nadu



FLD - 2022-23



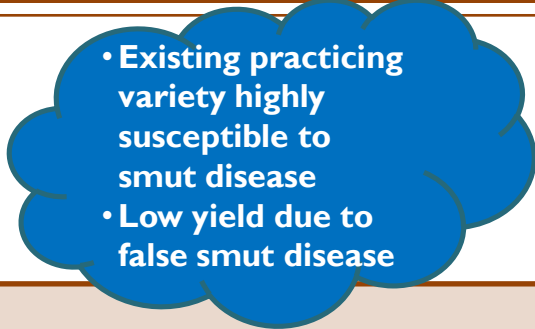
FLD No:	I	Title : Demonstration on Paddy TRY 4 variety for saline soil in Ariyalur District			
Name:	Mr.M.Thirumalaivasan	Designation and discipline:	SMS (Agronomy)		
Replications/ Beneficiaries:	10	Location:	Keelakudikadu	Season:	Kharif 2022
OFT converted to FLD or Direct FLD:		OFT Converted to FLD			
Technology	Medium slender white rice with medium duration (120-130days),potential yield is 57.3 q/ha. high milling quality (68%) with high head rice recovery (57.2%), Resistant to Leaf folder, Stem borer and Onion gall midge and diseases such as blast and brown spot & Suitable for salt affected soils.				
Source and year	ADACRI, 2020 (TNAU)				
Farmers Practice	<ul style="list-style-type: none"> • Cultivation of paddy variety CR1009 & BPT 5204 • Susceptible to lodging, leaf spot, BLB & false smut diseases and stem borer pest • Average yield is 5.1 t/ha 				
Parameter(s)	No. of plants /sq.m,No. of productive tillers /plant,Yield (t/ha), Stem borer incidence (%),PDI of blast and sheath blight,Soil analysis (Pre & Post) & BCR				
Critical inputs	Paddy seed TRY 4, <i>Bacillus subtilis</i> , Azophos,Gypsum,Soil Test & Field board				
Cost per replication (Rs.)	1,670				
Total Cost (Rs.)	16,700				

• Increased level of salinity in ground water upto pH 8.7 and EC > 4 dsm⁻¹ in clay soils



FLD No:	2	Title :	Demonstration of Cluster bean Variety MDU-I		
Name:	Mr.Y. Raja Joslin	Designation and discipline:	SMS (Horticulture)		
Replications/ Beneficiaries:	10	Location :	Karaikurichi	Season:	Kharif 2022
OFT converted to FLD or Direct FLD:		Direct FLD			
Technology	Demonstration of High yielding Cluster Bean variety MDU-I , seed treatment, soil test based fertilizer application, soil application of biofertilizer and <i>T.Viride</i> , spraying of vegetable special, spraying of Neem oil, use of pheromone trap and yellow sticky trap.				
Source and year	TNAU, 2020				
Farmers Practice	Cultivation of private variety				
Parameter(s)	Pod Yield, duration, Marker preference, BCR				
Critical inputs	Cluster bean Variety MDU-I seeds, <i>Azospirillum</i> , <i>Phosphobacteria</i> , <i>T.viride</i>				
Cost per replication (Rs.)	1,600				
Total Cost (Rs.)	16,000				

• Low yield in existing private varieties

FLD No:	3	Title :	Demonstration on False smut disease management practices in samba paddy		
Name:	Mr.M.Ashokkumar	Designation and discipline:	SMS (Plant Protection)		
Replications/ Beneficiaries:	10	Location:	Keelakudikadu	Season:	Samba 2022
OFT converted to FLD or Direct FLD:		Direct FLD			
Technology	<ul style="list-style-type: none"> • Adoption of ADT 51 resistant variety • Seed treatment with <i>Bacillus substilis</i> @ 10 g/kg seeds • Foliar Application of Propiconazole @ 1 ml/lit. • Foliar application of <i>Bacillus substilis</i> @ 10 g/lit. • Spraying of copper oxy chloride at 2.5 g/litre at boot leaf and milky stage 				 <ul style="list-style-type: none"> • Existing practicing variety highly susceptible to smut disease • Low yield due to false smut disease
Source and year	TNAU, 2020				
Farmers Practice	Adoption of susceptible varieties(CR 1009,BPT 5204), Non adoption of proper seed treatment technique, Late planting, Foliar application fungicide like Carbendazim and Mancozeb				
Parameter(s)	Disease Incidence (%) ,Yield (q/ha), BCR				
Critical inputs	<i>Bacillus substilis</i> , Propiconazole, Copper oxy chloride, Field board				
Cost per replication (Rs.)	1,750				
Total Cost (Rs.)	17,500				

FLD No:	4	Title :	Demonstration of super grain bag to store pulses		
Name:	Mrs.S.Shobana	Designation and discipline:	SMS Home Science		
Replications/ Beneficiaries:	5	Location :	DFI Village –Veerakkan,	Season:	Rabi 2022
OFT converted to FLD or Direct FLD:		Direct FLD			
Technology	Extend the germination life of seed from 6 to 12 months, Control insect grain pests (without chemicals) & Improve the head rice recovery of stored grain typically by 10%.				
Source and year	IRRI, 2014				
Farmers Practice	Storing in gunny bags				
Parameter(s)	Moisture, germination percentage, shelf life & pest incidence				
Critical inputs	Super grain bags, field board				
Cost per replication (Rs.)	2,000				
Total Cost (Rs.)	10,000				

FLD No:	5	Title :	Demonstration on Prosyn NC in augmenting fertility through estrous synchronization in dairy cows
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Name:	Dr. K. Karthik	Designation and discipline:	SMS Animal Science
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Replications/ Beneficiaries:	10	Location:	Keelakudikadu
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- Less conception rate
- Involvement of invasive breeding techniques

OFT converted to FLD or Direct FLD:	OFT Converted to FLD
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Technology	Prosyn NC- an non-invasive, farmer friendly method which can be applied on the skin without the need of veterinary assistances. It induces ovulatory heat within 5-7 days of application thereby facilitating artificial insemination
Source and year	TANUVAS, 2015
Farmers Practice	Invasive hormonal Therapy followed by insemination
Parameter(s)	Induction (%), Pregnancy (%), BCR
Critical inputs	Prosyn NC, Mineral mixture, Dewormer, Field Board
Cost per replication (Rs.)	1,450
Total Cost (Rs.)	14,500

