

PROGRESS REPORT 2021-22



-: Presented at :-

Annual Zonal Workshop of KVKs-2022

Zone-IV, Rajgir, Bihar

on

06th - 08th August 2022

-: Presented by :-

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Krishi Vigyan Kendra Gumla

Vikas Bharti Bishunpur



ICAR-Agricultural Technology Application Research Institute, Zone IV

ACHIEVEMENTS IN MANDATED ACTIVITIES

🔴 TRAINING		
Category	No. of courses	No. of participants
Farmers & farm women :	131	3421
Rural youth :	27	544
Extension functionaries :	08	470
Total :	166	4435

Extension activities	78 no.	55594 Participants	SHC	233 no.
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🔴 OFT	
No. of OFT	No. of locations
15	25
🔴 Production	
Seed production (q)	134.84
Planting material (in Lakh)	1.93
Bio Product	144.2 q 8000 lit.

🔴 FLD (Front Line Demonstration)		
Category	No. of farmers	Area (ha)
Cereal	268	98.5
Pulse	24	6.5
Oilseed	325	130
Horticulture	46	9.15
Livestock	27	27 units
Others (Forage)	87	07
Total	731	251.15 & 27 units

Achievements with Photographs

OFT – 1 Title : Fertilizer Management in Wheat

Problem diagnosed Low yield of wheat due to poor soil fertility and imbalanced use of fertilizer

Year of start : Rabi 2020 **Source :** BAU, Ranchi

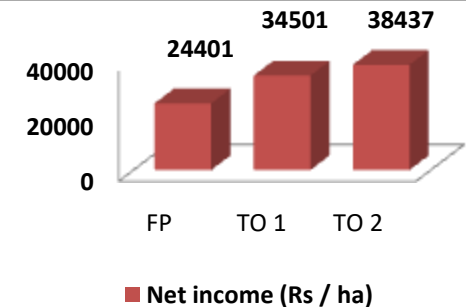
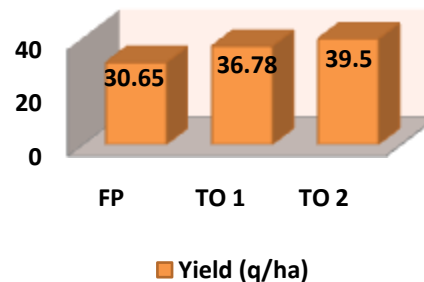
Technology option

FP : FYM @ 20 q + N (32 kg/ha) + P₂O₅ (23 kg/ha)

TO₁ : RD (120 :60:40 NPK kg /ha)

TO₂ : STR based (120:75:40 NPK kg/ha)

Technology	Yield (q/ha)	Net income (Rs / ha)	BC Ratio
FP :	30.65	24401	1.70
TO ₁ :	36.78	34501	1.95
TO ₂ :	39.50	38437	2.02



Result :- Among three treatments, Technology Option-2 yielded maximum yield (39.50 q/ha) Net return (Rs. 38437/ha) and B:C ratio (2.02)



Achievements with Photographs

OFT – 2 Title : Fertilizer Management in Watermelon

Problem diagnosed Low yield of watermelon due to poor fertilizer management.

Year of start Rabi 2020

Source :

BAU, Ranchi

Technology option

FP :

FYM @ 25 q/ha + 100 kg/ha NPK (N-19 kg, P₂O₅ 19 kg and K₂O 19 kg/ha) + N (23 kg/ha)

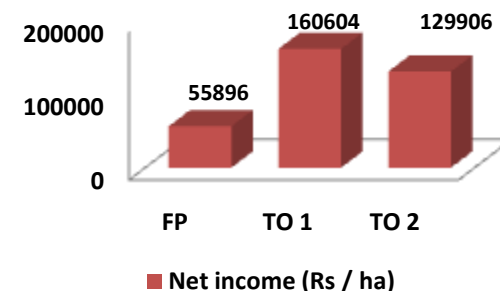
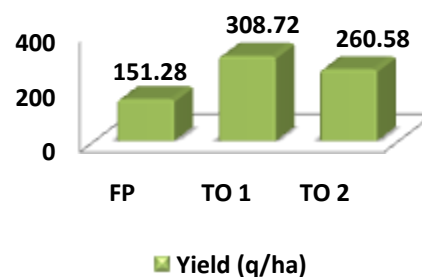
TO₁ :

Soil application of calcium Nitrate Ca(NO₃)₂ @ 15 kg/ha after 30 DAS

TO₂ :

RD (90:45:45 NPK kg/ha)

Technology	Yield (q/ha)	Net income (Rs / ha)	BC Ratio
FP :	151.28	55896	2.11
TO ₁ :	308.72	160604	3.89
TO ₂ :	260.58	129906	3.47



Result :- Among three treatments, Technology Option-1 yielded maximum yield (308.72 q/ha) Net return (Rs. 160604/ha) and B:C ratio (3.89)



Achievements with Photographs

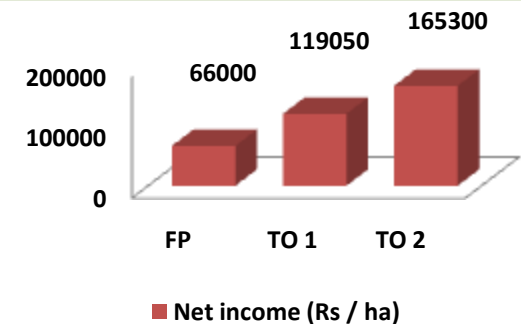
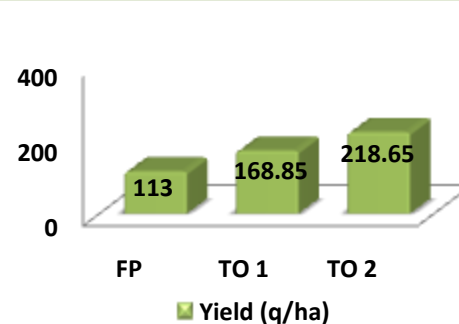
OFT – 3 Title : Mango yield loss due to infestation of Mango hopper

Problem diagnosed Losses of Mango yield due to infestation of Mango hopper.

Year of start Rabi 2021 **Source :** CISH, Lucknow, BAU Sabour and KAU, Karnataka

Technology option	FP :	Application Thiamethoxam 25 WG@ 250 gm/ha at fruit set stage.
	TO 1 :	Spray of Imidacloprid 17.8 SL @ 500 ml/ha at panicle formation stage and Thiamethoxam 25 % WG @ 250 gm/ha at fruit set stage.
	TO2 :	Spray of Spinosad @ 200 ml/ha at panicle formation stage, and second spray of Imidacloprid 17.8 SL @ 500 ml/ha before flowering and Acetamiprid 20 SP @ 500 gm/ha fruit set stage (Pea stage).

Technology	Yield (q/ha)	Net income (Rs / ha)	BC Ratio
FP :	113.0	66000	2.40
TO ₁ :	168.85	119050	3.39
TO ₂ :	218.65	165300	4.09



Result :- Among three treatments, Technology Option-2 yielded maximum yield (218.65 q/ha) Net return (Rs. 165300/ha) and B:C ratio (4.09)



Achievements with Photographs

OFT – 4 Title : Evaluation of different sowing methods of Mustard

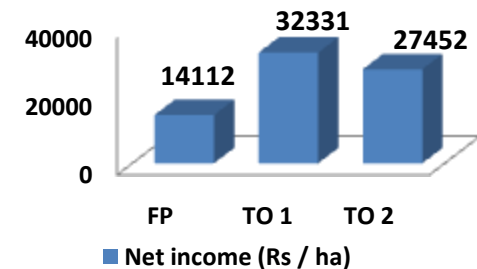
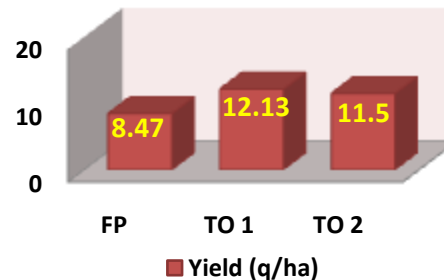
Problem diagnosed Unavailability of labour on sowing time resulted in lower yield

Year of start : Rabi 2020

Source : CAU, Imphal

Technology option	FP :	Broadcasting
	TO₁ :	Tractor drawn seed-cum-fertilizer drill machine
	TO₂ :	Line sowing (Seed dropping behind the plough)

Technology	Yield (q/ha)	Net income (Rs / ha)	BC Ratio
FP :	8.47	14112	1.56
TO ₁ :	12.13	32331	2.34
TO ₂ :	11.50	27452	2.05



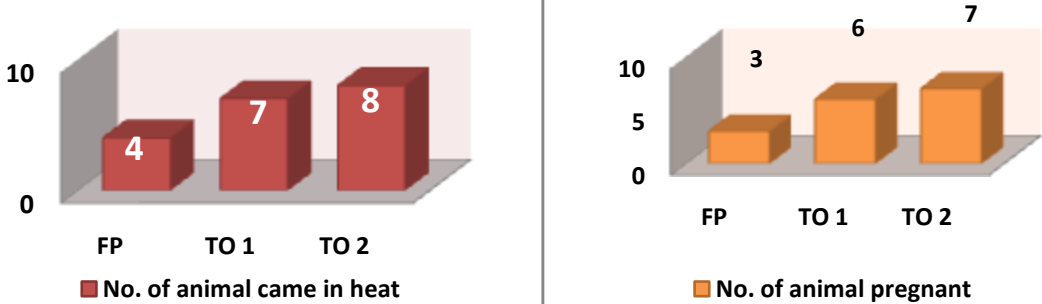
Result :- Among three treatments, Technology Option-1 yielded maximum yield (12.13 q/ha) Net return (Rs. 32331/ha) and B:C ratio (2.34)



Achievements with Photographs

OFT – 5 Title : Comparative assessment of hormone (GnRH) and mineral mixture supplement for improving postpartum anestrus in cattle

Problem diagnosed	Postpartum infertility in cattle		
Year of start :	Rabi 2020	Source :	BVC Patna
Technology option	FP :	Dewormer + Mineral Mixture @ 50 gm/day	
	TO₁ :	FP + Inorganic Phosphorus Inj. + Vitamin AD₃E Inj. @ 10 ml alternate day + Micro minerals 1 Bolus for 28 days	
	TO₂ :	FP + TOI + GnRH Inj. @ 5 ml st the time of AI.	

Technology	No. of animal came in heat	No. of animal pregnant		
FP :	04	03		
TO ₁ :	07	06		
TO ₂ :	08	07		

Result :- Among three treatments, Technology Option-2 is more beneficial in terms of No. of animal came in heat (08) and No. of animal got pregnant (07)

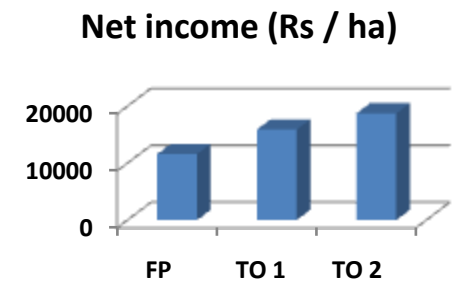
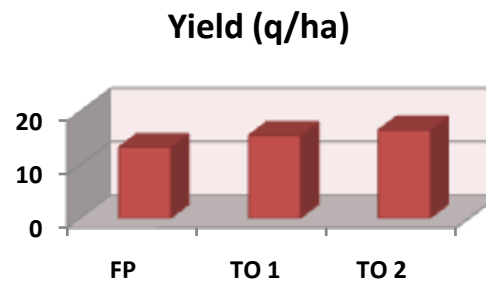


Achievements with Photographs

OFT – 6 Title : Assessment of PSB culture and Bio fertilizer in Traditional Rice productivity

Problem diagnosed	Low productivity due to less utilization of applied phosphorous and no use of Bio fertilizer.		
Year of start :	Kharif 2020	Source :	IGKV, Raipur
Technology option	FP :	Use of FYM @ 20 q/ha	
	TO₁ :	FP + Seedling treatment with PSB @ 5-10 gm/kg seed + 25% recommended dose (80:40:20 NPK kg /ha) of fertilizer	
	TO₂ :	TO ₁ + Application of azolla @ 10 kg/ha	

Technology	Yield (q/ha)	Net income (Rs / ha)	BC Ratio
FP :	13.27	11600	1.41
TO₁ :	15.48	15884	1.52
TO₂ :	16.50	18744	1.61



Result :- Among three treatments, Technology Option-2 yielded maximum yield (16.50 q/ha) Net return (Rs. 18744/ha) and B:C ratio (1.61)



Achievement of CFLD on Oilseed for Year 2021 Kharif & Rabi

Season – Rabi 2021

S. No	Crop	Variety	Target		Achievement		Yield (q/ha)		% increase
			Area (ha)	No of Demo	Area (ha)	No of Demo	Demo	Check	
01	Mustard	PM-30	20	50	20	50	16.71	10.1	65.44
02	Linseed	Priyam	10	25	03	25	10.50	7.80	34.61
		Kota Barani Alshi-4			07		9.60	6.20	54.84

Economic parameters

Crop	Technology demonstrated	Demonstration			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
Mustard	PM-30 + ICM	32000	84385	52385	2.63
Linseed	Priyam + ICM	24600	63000	38400	2.56
	Kota Barani Alsi-4 + ICM	26560	57600	31040	2.17



Achievement of CFLD on Oilseed for Year 2021 Kharif & Rabi

Season - Kharif

S. No	Crop	Variety	Target		Achievement		Yield (q/ha)		% increase
			Area (ha)	No of Demo	Area (ha)	No of Demo	Demo	Check	
01	Groundnut	TG-51	10	25	2.07	05	18.30	9.10	101.10
		TG-38			2.00	05	14.90	10.20	46.08
		TLG-45			2.07	05	14.60	10.10	44.55
		Dharani			3.86	10	15.30	10.30	48.54
02	Sesame	Kanke Safed	20	50	20	50	8.30	5.40	53.70
03	Niger	BN-3	20	50	20	50	4.80	3.00	60.00

Economic parameters

Crop	Technology demonstrated	Demonstration			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
Groundnut	TG-51+ICM	43600	101565	57965	2.33
	TG-38 + ICM	43600	82695	39095	1.90
	TLG-45 + ICM	43600	81030	37430	1.86
	Dharani + ICM	43600	84915	41315	1.95
Sesame	Kanke safed + ICM	23600	60648	37148	2.56
Niger	Birsa Niger-3 + ICM	17600	34650	17050	1.96

Activites photographs under CFLD



Action Photographs on CFLD Groundnut (2021-22)



Activities under Sesame CFLD 2021-22



Variety – Kanke Safed



Activities under Niger CFLD 2021-22



Variety – Birsa Niger-3



Activities under Mustard CFLD 2021-22

Demonstration of KISAN Drone



Variety – PM-30



Activities under Linseed CFLD 2021-22



Variety – Priyam



Activity in News

Prabhat Khabar

निर्माण के संबंध में बताया कि 84 28 फरवरी तक इ
लाभुओं में से एक का भी शेड निर्माण
पूरा हुआ है। वस्तु-चूज वितरण के
निर्धारित तथ्य 125 के विरुद्ध 1101
चयन के लिए स्वीकृ
तथ्य के अनुरूप
समीक्षा करने आनि

गुमला जिले में 100 एकड़
में हो रही सरसों की खेती

गुमला. कृषि विज्ञान केंद्र गुमला विकास भारती बिशुनपुर द्वारा जिले में सरसों का उत्पादन एवं उत्पादकता बढ़ाने के लिए केंद्र द्वारा 100 एकड़ क्षेत्रफल में सरसों पर अग्र प्रौक्त प्रत्यक्षण के माध्यम से पीएम 30 प्रभेद पर प्रशिक्षण कराया गया। डॉ संजय कुमार ने बताया कि कृषि विज्ञान केंद्र गुमला द्वारा दो प्रकार की परियोजनाओं द्वारा सरसों की खेती को बढ़ावा दिया जा रहा है। साथ ही केंद्र बायोफोर्टीफाइड प्रभेद का बड़े पैमाने पर प्रत्यक्षण कराया है। उन्होंने बताया कि पीएम-30 एक बायोफोर्टीफाइड प्रभेद है।



सरसों पर प्रत्यक्ष गुनिया, बेलागाड़ा, जगताली आदि गांव में 20 हेक्टेयर क्षेत्रफल में कराया गया है। सरसों पर प्रक्षेत्र दिवस जगताली में मनाया गया, जिसका मुख्य उद्देश्य सरसों की खेती को बढ़ावा देना है। सरसों की खेती गुमला जिला के लिए उपयुक्त है। मौक पर कलभद्र, सुदर्शन, बैजू, सन्नी, चर्चा देवी, वैज्ञानिक सुभयन कुमार सहित 42 किसान मौजूद थे।

आधार पर बकरा विकास, सुकर विकास तथा भालू जी वितरण योजनांतर्गत शेडॉर्गिणी लकड़ें, सुकर पशुधन के 28 फरवरी तक छूटे हुए लाभकों के चयन के लिए स्वीकृति प्राप्त करने एवं लकड़ों के अनुरूप पशुधन का वितरण सुनिश्चित करने का निर्देश दिया. लाभकों

Samarg Gumla



Sammar_Daak_24Feb_24/02/2022

8:00 बजे गुप्त सूचना के आधार पर ट्रैक्टर में लदा गमहार और सखुआ का बोटा सायपर कोड़ही चौक से जप्त किया



गया । सूत्रों से मिली जानकारी

सरसों की खेती को बढ़ावा देने
के लिये प्रक्षेत्र दिवस आयोजित

संवाददाता
गुमला : कृषि विज्ञान केंद्र गुमला विकास भारती बिशुनपुर द्वारा 2021-22 में जिले में सरसों की उत्पादन एवं उत्पादकता बढ़ाने के लिए केंद्र के द्वारा 100 एकड़

जरगाटोली इत्यादि गांव में 20 हेक्टेयर क्षेत्रफल में प्रत्यक्षण कराया गया है' दिनांक 22 फरवरी 2022 को कृषि विज्ञान केंद्र गुमला ने सरसों पर प्रक्षेत्र दिवस जरगाटोली में मनाया गया जिसका मुख्य उद्देश्य सरसों की

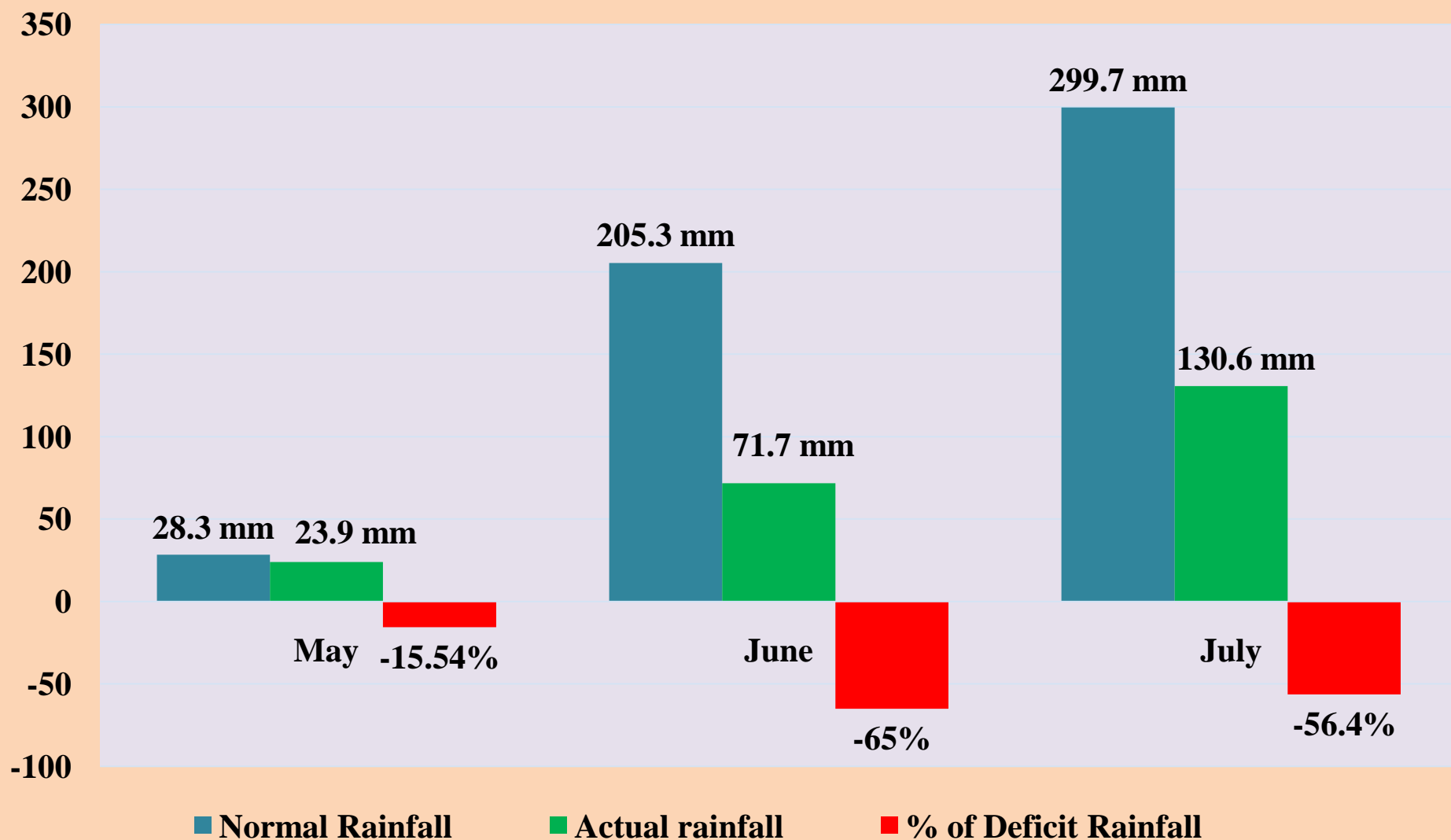
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ACTION PLAN

2022-23



Trend of Rainfall in Kharif 2022



Summary of Action Plan 2022

OFT		FLD		CFLD	
No. of OFT	No. of Farmers	No. of demonstration	No. of crop/enterprise	No. of demonstration	Area (ha)
14	163	166	11/3	400	160

Capacity building activity

For Practicing Farmers		Rural Youth		ASCI based training	
No. of courses	No. of Farmers	No. of courses	No. of Farmers	No. of courses	No. of youth
89	2143	35	642	01	25

	No. of Training	No. of Farmers
Jal Shakti Abhiyan	03	480
PMO	08	192

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
151	-	1.05	-

Annual Zonal Workshop of KVKs-2022 Zone-IV

Proposed/Ongoing OFTs-2022

Problem Diagnosed	Title of OFT	Technological Option	
Low yield due to poor crop management	Assessment of Niger seed yield in relation to Honeybee Pollinators	FP :	Natural plot without beehives
		TO₁:	Niger crop with 05 no. of beehives/ ha
		TO₂:	Niger crop with recommended dose of fertilizer (20:80:40 kg NPK/ha)
Closer spacing leads the lower Onion seed yield	Assessment of suitable spacing in onion to increase the seed yield and income in Gumla district.	FP :	Line sowing with closer spacing 25 x 30 cm + NPK 80:40:40/ha
		TO₁:	Line sowing with spacing 30 x 45 cm + NPK 100:60:60/ha
		TO₂:	Line sowing with spacing 40 x 45 cm + NPK 100:50:50/ha
Poor soil fertility leads lower yield of transplanted rice	Response of liquid urea (Nano urea) application on the yield of transplanted improved variety of rice	FP :	FYM (25 q) + N (55 kg) + P ₂ O ₅ (23 kg) + K ₂ O (15 kg)/ha
		TO₁:	FP + 2 spray of Nano urea @ 0.2%
		TO₂:	FP + 2 spray of Nano urea @ 0.4% 1 st spray DAT 20-25 days, 2 nd spray – 20-25 days after 1 st spray

Proposed/Ongoing OFTs-2022

Problem Diagnosed	Title of OFT	Technological Option	
Imbalance nutrient management	Assessment of INM on yield of Mustard.	FP :	Imbalance nutrient application (N 27.5 kg + P ₂ O ₅ 11.5 kg)/ha
		TO₁:	RD (N: P: K:: 80:60:40 kg/ha.)
		TO₂:	TO ₁ + Soil application of PSB (5kg) + <i>Azotobacter</i> (5 kg)/ha
		TO₃:	Recommended dose of NPK + Lime @ 4q/ha + Sulphur@ 20kg/ha.
Low yield due to poor fertilizer management	Effect of Micronutrient on Growth and yield of Brinjal during Kharif	FP :	RDF (100:60:50 kg NPK/ha)
		TO₁:	RDF + Two spray of Borax (0.2%) Spray before flower initiation and after fruit set
		TO₂:	RDF + Spray of Borax 0.2% + ZnSO ₄ (0.5%) before flower initiation and after fruit set
Yield loss due to head cracking	Fertilizer Management in Cabbage	FP :	FYM 25 q/ha + DAP 80 kg/ha
		TO₁:	RDF (100:50:45) NPK kg/ha + Borax 10 kg/ha as Soil application
		TO₂:	RDF + Foliar spray of Borax 2 gm/liter water + Foliar spray of Ammonium Molybdate 2 gm/liter water at 30 days and 45 days after transplanting

Proposed/Ongoing OFTs-2022

Problem Diagnosed	Title of OFT	Technological Option	
Maize yield decrease due to fall army worm (Growth to cab formation)	Management of Fall Armyworm, (<i>Spodoptera frugiperda</i>) in Maize	FP :	Farmers practice (Application of <i>Carbofuran</i>)
		TO₁:	<i>i.</i> Application of sand (After whorl formation and at 5% damage symptoms appearance) <i>ii.</i> Spraying of <i>Emamectin benzoate</i> 5SG @ 0.49 gm/L of water at 5 days of application of sand <i>iii.</i> Spraying of <i>Thaimethoxam</i> 12.6% + <i>Lambda cyhalothrin</i> 9.5% @ 0.5 ml/L at 15 days of after 1st spray
		TO₂:	<i>i.</i> Application of soil (After whorl formation and at 5% damage symptoms appearance) <i>ii.</i> Spraying of <i>Fipronil</i> 5SC @ 1ml/l of water at 5 days of application of soil <i>iii.</i> Spraying of <i>Spinosad</i> @ 0.2 ml/1 at 15 days of after 1 st spray
Traditional weeding method of paddy resulted high cost of cultivation	To assess the performance of different type of cost effective weeding methods in transplanted rice	FP :	Hand Weeding
		TO₁:	Cono weeder (Hand push)
		TO₂:	Power weeder

Proposed/Ongoing OFTs-2022

Problem Diagnosed	Title of OFT	Technological Option	
Yield loss due to leaf curl disease	Management leaf curl in Chilli	FP :	Two weeding (Manual) + <i>Imidacloprid</i> @ 1 gm/3 liter of water @ 25-30 DAT
		TO₁:	Seed treatment with <i>Imidacloprid</i> @ 3 gm/kg of seed + one spray of wettable sulphur 80 WP @ 3 gm/lit of water + 1 spray of <i>Imidacloprid</i> @ 1 ml/lit of water before flowering at 15 days interval
		TO₂:	Seed treatment with <i>Thimethoxam</i> @ 5 gm/kg of seed + seedling treatment with <i>Imidacloprid</i> @ 0.03 ml/liter of water for 30 min + Two weeding 20 & 30 DAT + Spray of <i>Abmectin</i> 1.9 EC @ 0.1 ml/liter of water @ 35 DAT + <i>Imidacloprid</i> 0.03,ml/liter of water @ 65 DAT + <i>Thiomethoxam</i> @ 0.05 gm/liter of water @ 85 DAT
More no. of irrigation and bed making resulted high cost of cultivation	Evaluation of irrigation water saving technique in Cauliflower during Rabi season	FP :	Ridge furrow (Single plant)
		TO₁:	Raised bed 60 x 20 cm (Triple plant in each line)
		TO₂:	Raised bed 30 x 20 cm (Double plant)

Proposed/Ongoing OFTs-2022

Problem Diagnosed	Title of OFT	Technological Option	
Low iron content in diet	To assess the response of Iron tablets and modified food in overcoming the Anemia (15-18 years)	FP :	Traditional Practice(Existing Dietary Pattern)
		TO ₁ :	Recommended Practice(Iron tablet/day with existing dietary pattern
		TO ₂ :	Iron tablet/day+50 mg roasted soyabean+100 gm rice flakes/day with existing dietary system
Prevalence of Malnutrition	Assessment of maize and ragi based weaning mixture to overcome malnutrition among children	FP :	Inadequate dietary pattern and unbalanced intake of nutrients.
		TO ₁ :	Roasted maize flour (60 gm)+ roasted bengal gram flour (20gm) + sugar (20 gm+1/2 cup milk)
		TO ₂ :	Roasted Ragi flour(50gm)+ sprouted and roasted green gram (25 gm)+ roasted groundnut (10gm)+ sugar (15gm)+1/2 cup milk
Postpartum infertility in cattle.	Comparative assessment of hormone (GnRH) and mineral mixture supplement for improving postpartum anestrus in cattle.	FP :	Dewormer + Mineral Mixture @ 50 gm/day
		TO ₁ :	FP + Inorganic Phosphorus Inj. + Vitamin AD ₃ E Inj. @ 10 ml alternate day + Micro minerals 1 Bolus for 28 days
		TO ₂ :	FP + TOI + GnRH Inj. @ 5 ml st the time of AI.

Proposed/Ongoing OFTs-2022

Problem Diagnosed	Title of OFT	Technological Option	
Poor growth due to heavy worm infestation	Assessment of performance of different herbal low cost dewormer in Goats in Gumla district.	FP :	Rearing of goat without proper de worming
		TO₁:	Rearing of Goat + De worming with Fenbendazole and Praziquantal@ 6-8 mg/kg body weight, orally in empty stomach (Single dose)
		TO₂:	Rearing of goat + De worming with neem flower powder @ 0.50 gm/ 5kg body weight with molasses orally in empty stomach (for 3 days)
		TO₃:	Rearing of goat + De worming with neem leaf powder @ 0.50 gm/ 5kg body weight with molasses orally in empty stomach (for 3 days)

Front Line Demonstrations (FLDs) Proposed 2022

Technologies to be demonstrated	Crop/Enterprise	Variety	Area (ha)	No. of farmers
ICM	Rice/Maize/Ragi/ Wheat/Barley	Sahbhagi dhan/Swarna shreya/ BM-2/HD-3118/K-1317	32.3	81
ICM	Tomato	Sarwna Sampada	2	5
Floriculture	Marigold	Hawai orange	0.4	1
Forage crop	Fodder maize	J-1006	2	5
	Rice bean	Bidhan-2	2	5
RCT (Zero Tillage wheat sowing)	Wheat	HD-2967	1	3
DSR	Rice	Anjali	5	13
Micro Irrigation	Chilli	Siam Hot	0.4	2
Dolomite	Wheat	HD-2967	0.4	01
Natural Farming	Rice	Kalajeera	17.5	45
Backyard poultry	Poultry	Jharsheem/Red Divyayan	03 unit	03
Composite Fish	Composite Fish	Rohu/Katla/Mrigal	05 unit	05
Oyster Mushroom	Mushroom	Oyster	20 unit	200
Nutritional Garden	Nutritious Crop		15 unit	15

Annual Zonal Workshop of KVKs-2022 Zone-IV

Cluster Front Line Demonstrations (CFLDs)

A. Action Plan CFLD on Pulses For the Year 2022-23 (Kharif/Rabi/Summer)

S.N.	Season	Crop/Variety	No. of Demonstration	Area (ha)
1	Kharif	Black Gram Var. PU-31	50	20
2		Red Gram Var. Rajeev Lochan	50	20
3	Rabi	Lentil Var. IPL-220	50	20
A Sub Total :			150	60

B. Action Plan CFLD on Oilseed For the Year 2022-23 (Kharif/Rabi/Summer)

S.N.	Season	Crop	No. of Demonstration	Area (ha)
1	Kharif	Groundnut Var. TG-51	25	10
2		Sesame Var. GT-2	50	20
3		Niger Var. Birsa Niger-1	50	20
4	Rabi	Sunflower	75	30
5		Mustard Var. PM-30	25	10
6		Linseed Var. Priyam/Sabour Tisi-1	25	10
B Sub Total :			250	100

Capacity Building Activities

Sl. No.	Particulars	No. of Course	No. of beneficiaries
1.	Farmers/Farm Women	89	2143
2.	Rural Youth	35	642
3.	Extension Personnel	19	570
4.	Vocational Training	03	51
5.	Skill Development Training	01	25
6.	Sponsored Training	10	250
Total		157	3681



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Special Programme

Activities	Target No.	Tentative Participants
Kisan Mela	02	600
Exhibition	02	300
Method demonstration	06	120
Ex Trainee sammellan	05	100
Block Level Kharif Workshop	01	300
Block Level Rabi Workshop	01	300
World Soil Day	01	100
Technology week	01	1000
Nutrition Week	01	300
<i>Parthenium</i> Awareness week (16-22 Aug)	01	210
International Women's day (8 march)	01	100
World Food Day (16 th Oct)	01	100
Jal Shakti Abhiyan	03	480
Swachhta Pakhwada	12	300



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Projects associated with KVK

Sl. No.	Name of the project	Fund expected (Rs.)
1.	AICRP Niger (FLD & Trial)	100000.00
2.	ICAR-NICRA	1100000.00
3.	ICAR-ARYA	1500000.00
4.	Empowerment of Women through Mushroom production (Aspirational District Project)	500000.00
5.	Agriculture Skill Council of India (ASCI)	315000.00
6.	Nutri-Sensitive Agricultural Resources and Innovation (NARI)	50000.00
7.	Gramin Krishi Mausam Sewa (GKMS)	1062000.00
8	Farmer Producer Organization (FPOs)	500000.00

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Status of Budget, Revolving Fund and Other Resource Generating avenues

BUDGET UTILIZATION (KVK FUND) (Rs. in Lakh)

Opening Balance	Fund received 2021-22	Expenditure	Closing balance
2.31	255.99	256.10	2.20

Revolving Fund (Rs. In lakh)

Opening balance as on 01.04.2021	Fund generated	Expenditure	Fund Available 31.03.2022	
			Cash	Kind
41.26	11.70	10.02	40.24	2.71

Resource Generation (Rs. In lakh)

Name of organization	Fund received	Purpose
District Planning Department	5.00	Mushroom Cultivation
JNKVV, PC unit, Jabalpur	1.24	AICRP Niger FLD & Trial
District Horticulture Department	2.10	Mali Training
Total :	8.34	

Annual Zonal Workshop of KVKs-2022 Zone-IV

NICRA 2021-22

Activities at a glance

Climate Resilient Technology Demonstrated

Natural Resource Management		No. of Farmers	Area (ha)
In-Situ	02(mulching, Zero tillage)	15	5.0
Ex-Situ	03 (Canal & well renovation)	18	
Crop Production		No. of Farmers	Area (ha)
Cereals	Drought tolerant crop varieties, Less water requiring variety, Heat tolerant Wheat Variety	89	31.6
Oilseed		26	10.40
Pulses		1	0.40
Vegetables		31	13.5
Orchard	Promotion of annual bearing mango var. Amrapali	25	5.0
Livestock & Fisheries		No. of Farmers	Area (ha)
Preventive Measure	PPR vaccination in goat & FMD Vaccination in cattle	81	737
Shelter Management	Improved goat shelter to reduce mortality in goat	05	05 No
Composite Fish	Composite Fish Farming	07	1 ha
Fodder crop	Fodder crop promotion	02	0.80

Institutional Intervention	No. of Farmers	Quantity/area(ha)/No.
Seed bank	30	31 q
Custom Hiring Centre (Revenue collected from CHC in 2021- Rs.13500, Total amount: Rs.209294)	12	8.5 ha
Extension Activity	457	12 No.





ICAR-ARYA

Name of Enterprises	No. of training programme conducted	No. of rural youths trained	No. of youths established their enterprise	Before ARYA	After ARYA	% change in income over the year
				(Rs. In Lakhs)		
Pig Farming	06	128	36	3.67	7.00	87.60
Goat Farming	12	282	09	0.56	1.50	166.81
Bee Keeping	01	14	05	0.2	0.47	152
Lac Cultivation	08	174	35	0.55	1.36	119



Jharsuk Breed



Vaccination Services



ARYA Youths Product



Brood lac Distribution

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Progress report on Central Sector Scheme for Formation of 10,000 FPOs

Name of Cluster Based Business Organizations (CBBO) : **Krishi Vigyan Kendra Gumla**

Sl. No	Name of FPO	Name of Block	Date of FPO Registration	Whether Board member appointed	Whether CEO appointed	Whether Accountant appointed	No. of Farmer members	Whether Bank account opened	Name of Primary Commodity approved by D-MC	Equity Amount (in Rs.)
1	Raidih Phal Utpadak Sahyog Sameti Limited, Raidih	Raidih	03 July 2021	Yes	Yes	Yes	304	Yes	Mango	48,280.00
2	Gumla Sabji Utpadak Sahyog Sameti Limited, Gumla	Gumla	13 July 2021	Yes	Yes	Yes	301	Yes	Tomato	88,810.00



Raidih Phal Utpadak Sahyog Sameti Limited, Raidih



Gumla Sabji Utpadak Sahyog Sameti Limited, Gumla

Gramin Krishi Mausam Sewa (GKMS)

Activities	Number	Farmers Benefitted
Bulletin Issued	103	18620
Daily Weather Message	270	18620
m-Kisan Portal Message	11	266241
Farmer Awareness Program	33	1002
Leaflet on GKMS	02	-
Total Farmers Benefitted		304483



Farmer Awareness Program organized in different villages in Gumla district.

AWS installed at Salam Farm



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SUCCESS STORY

DOUBLING INCOME THROUGH INTEGRATED FARMING

INTRODUCTION

Name of Farmer	Shri. Sulendra Oraon
Address	Chota Aiyatu, Panchayat Ruki, Block Ghaghra, Dist. Gumla, Jharkhand
Mobile Number	9771087371
Age	49
Education	Primary
Size of land holding (in acre)	2.0



KVK's Intervention

- **Skill Training** : Crop Production Technology, Nursery Management, Mushroom Cultivation & Goat farming.
- **Input support:** Seeds, Improved Goat Breed (Black Bangal), goat shelter, Vaccination & clinical service for goat, Mushroom Spawn & Agricultural small tools.
- Soil Health Card
- **Other** : Different awareness programme, Weather Based Agro Advisory

NET INCOME

Net income :
Rs. 61,353.00 during
2016-17 and
Rs. 1,73,465.00 during 2020-21.
Percentage increased over base year
182.73 %



Vegetables Nursery



Mushroom Cultivation



Marketing of onion seedling

DOUBLING INCOME THROUGH INTEGRATED FARMING

INTRODUCTION

Name of Farmer	Shri. Gandur Oraon
Address	Chota Ajyatu, Panchayat Ruki, Block Ghaghra, Dist. Gumla, Jharkhand
Mobile Number	7091840193
Age	47
Education	Primary
Size of land holding (in acre)	3.0



KVK's Intervention

- **Skill Training** : Crop Production Technology, Nursery Management, Mushroom Cultivation & Goat farming.
- **Input support:** Seeds, Improved Goat Breed (Black Bangal), goat shelter, Vaccination & clinical service for goat, Mushroom Spawn & Agricultural small tools.
- Soil Health Card
- **Other** : Different awareness programme, Weather Based Agro Advisory

NET INCOME

**Net income : Rs. 54,016.00 during 2016-17
and **Rs. 1,11,226.00** during 2020-21**

**Percentage increased over base year
105.91 %**



Vegetables Farming



Goat Farming



Mango Orchard

DOUBLING INCOME THROUGH INTEGRATED FARMING

INTRODUCTION

Name of Farmer	Shri. Chhotelal Oraon
Address	Kurag, Block Ghaghra, Dist. Gumla, Jharkhand
Mobile Number	7061587114
Age	34
Education	Middle
Size of land holding (in acre)	3.0



KVK's Intervention

- **Skill Training** : Crop Production Technology, Nursery Management, Mushroom Cultivation & Canopy Management in Mango.
- **Input support**: Seeds, Vaccination & clinical service for animals, Mushroom Spawn & Agricultural small tools.
- Soil Health Card
- **Other** : Different awareness programme, Weather Based Agro Advisory

NET INCOME

**Net income : Rs. 56,196.00 during 2016-17
and Rs. 1,51,811.00 during 2020-21**

**Percentage increased over base year
170.14 %**



Mustard cultivation



Water melon cultivation



IPM in Mango

DOUBLING INCOME THROUGH INTEGRATED FARMING

INTRODUCTION

Name of Farmer	Shri. Ram Bilas Oraon
Address	Kurag, Block Ghaghra, Dist. Gumla, Jharkhand
Mobile Number	9102899639
Age	34
Education	Higher Secondary
Size of land holding (in acre)	2.75



KVK's Intervention

- **Skill Training** : Crop Production Technology, Nursery Management, Mushroom Cultivation & Canopy Management in Mango.
- **Input support**: Seeds, Vaccination & clinical service for animals, Mushroom Spawn & Agricultural small tools.
- Soil Health Card
- **Other** : Different awareness programme, Weather Based Agro Advisory

NET INCOME

Net income : Rs. 62,323.00 during 2016-17
and **Rs. 1,30,414.00** during 2020-21

Percentage increased over base year
109.26 %



DOUBLING INCOME THROUGH INTEGRATED FARMING

INTRODUCTION

Name of Farmer	Mrs. Punam Oraon
Address	Kurag, Block Ghaghra, Dist. Gumla, Jharkhand
Mobile Number	8235536006
Age	32
Education	Higher Secondary
Size of land holding (in acre)	2.0



KVK's Intervention

- Skill Training : Crop Production Technology, Nursery Management, Mushroom Cultivation & Goat farming.
- Input support: Seeds, Improved Goat Breed (Black Bangal), goat shelter, Vaccination & clinical service for goat, Mushroom , Spawn & Agricultural small tools.
- Soil Health Card
- Other : Different awareness programme, Advisory Services , Weather Base

NET INCOME

Net income : Rs. 70,691.00 during 2016-17 and Rs. 1,48,143.00 during 2020-21.

Percentage increased over base year
109.56 %



Ragi Cultivation



Mushroom Cultivation



Chilli Cultivation

VISITORS AT KVK



Visit of Shri Samir Oraon, Member of Parliament, Rajya Sabha



Visit of Shri Sudarshan Bhagat, Member of Parliament, Lok Sabha



Visit of DC Gumla



Visit of Shri Jata Shankar Choudhary (IAS), Commissioner, Palamu Division, Jharkhand



Visit of Shri Anil Kumar, Chief. Postmaster General, Jharkhand



Visit of Shri Surendra Rana, Chief General Manager, State Bank of India, Patna



Dr. Amrander Kumar, Principal Scientist, ICAR-ATARI, Patna & Dr. P.K. Pankaj, Principal Scientist (LPM), ICAR-CRIDA, Hyderabad



Visit of Shri S. K. Singh, Chief Manager, IFFCO, Jharkhand

FARM ACTIVITIES





[illegible]

Frontline Demonstration



Frontline Demonstration



Sandla, Jharkhand, India
 Latitude 22.847535° Longitude 84.748959°
 LOCAL 75:57:15 GMT 10:27:45 THURSDAY 09/23/2021 ALTITUDE 440 METER

Days Celebration



POSHAN Abhiyan



Food & Nutrition for Farmers Programme



Parthenium Awareness Week



National POSHAN Abhiyan



Uttam Kheti-Uttam Kisan



World Water Day



Independence day celebration



Inter School Quiz Competition



Natural Farming Programme

Days Celebration & Extension activities



Tribal Pride Day



Biswa Adivasi Diwas



Nari Samman - Sampada Day



World Soil Day



World Environment Day



Swachhta Abhiyan



Honorable CM, Jharkhand at KVK Gumla stall during Kisan Mela, IINRG, Namkum



Participation on monthly review meeting chaired by DC, Gumla



VC, BAU at KVK Gumla stall during Agro Tech Mela, BAU, Ranchi



" कृषि विज्ञान केंद्र किसानों में विश्वास पैदा कर सका है "

Status of events in KVK portal as on 3rd Aug 2022

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Past Events of KVKs

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S. No.	KVK Name	Number of Completed Events	View Details
1	Krishi Vigyan Kendra,Pulutheri, R.T.Malai Post, Kulithalai,Distt. Karur	4807	Details
2	Krishi Vigyan Kendra,Valikandapuram,Distt. Perambalur	3504	Details
3	Krishi Vigyan Kendra, 272 Perumal Nagar, Puduvaliampalayam Road, Kalingiyam Post, Gobichettipalayam Taluk	3437	Details
4	Krishi Vigyan Kendra, Cholamadevi Post, Jayankondam (via.), Udayarpalayam (Taluk), Ariyalur District, Tamil Nadu	3393	Details
5	Krishi Vigyan Kendra,Bhenskatri Road, Panvadi, Vyara,Dist.Tapi	3010	Details
6	Krishi Vigyan Kendra, Gram Nirman Mandal, Sarvodaya Ashram, Kawakol, Nawada	3010	Details
7	Krishi Vigyan Kendra,Parola Chafuli ,NH3,Distt. Dhule	2893	Details
8	Krishi Vigyan Kendra, Turki, Regional Building, TCA Campus, Dholi, Muzaffarpur	2832	Details
9	Krishi Vigyan Kendra, Gumla Vikas Bharti Bishunpur P.O. – Bishunpur Dist. – Gumla	2811	Details
10	Kadalivana, LIC Colony Layout, BIET College Road, Davanagere	2788	Details

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Agriculture with
New Perspective.....

Thank you!