

Annual Action Plan

January 1st, 2026 to December 31st, 2026

Krishi Vigyan Kendra, Gopalganj



Submitted to

**ICAR-Agricultural Technology Application, Research
Institute, Patna**



Directorate of Extension Education

**Dr. Rajendra Prasad Central Agriculture University, Pusa,
Samastipur-848125, Bihar**

ACTION PLAN PROFORMA FOR THE KVKs.

(1st January to 31 December, 2026)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Name and Address of KVK	Telephone		E mail	Website
Krishi Vigyan Kendra, Gopalganj Sipaya Farm, P.O- Sipaya, Gopalganj Bihar-841501	Office 6287797171	FAX -	head.kvk.sipaya@rpc cau.ac.in	https://gopalganj.kvk4.in/

1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website
	Office	FAX		
Dr. Rajendra Prasad Central Agricultural University, Bihar, Pusa (Samastipur)-848125	06274-240226	06274-240255	vc@rpc cau.ac.i n	https://rpc cau.ac.in/

1.2.b. Status of KVK website : Yes; Date when the website last updated: 17.04.2026

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 166892

1.2.d Status of ICT lab at your KVK :

- a) No. of PC units : 07
- b) No. of Printers : 04
- c) Internet connection : Yes







1.3. Name of the Senior Scientist & Head with phone & mobile no.


Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Anupma Kumari	-	6287797171	head.kvk.sipaya@rpc cau.ac.in

1.4. Year of sanction: 2006

1.5. Staff Position (as on 1st January, 2025)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC / Others)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. Anupma Kumari	Sr. Scientist & Head	Agronomy	79800-199300	9000	176500	18.09.2024	Permanent	OBC	6287797171	head.kvk.sipaya@rpc cau.ac.in	
2	Subject Matter Specialist	Dr. Naveen Kumar	SMS	Ag. Engg.	56100-177500	5400	69000	29.09.2018	Permanent	OBC	9933990948	naveen.kumar@rpc cau.ac.in	
3	Subject Matter Specialist	Dr. Anita Gautam	SMS	Home Sc.	56100-177500	5400	69000	18.12.2018	Permanent	SC	9695808490	anita0411@rpc cau.ac.in	

15.	Supporting staff	Shri Nilesh Kumar	Driver	Driver	Stenographer	Accountant / Superintendent	Farm Manager	Computer Programmer	Programme Assistant	Subject Matter Specialist	Subject Matter Specialist	Subject Matter Specialist
		Vacant	Vacant	Vacant	Vacant	Mr. Pankaj Rai	Shri Ravikant Kumar	Vacant	Vacant	Vacant	Smt. Sripriya Das	Dr. Abhishek Rana
	SSS	Driver	Driver	Stenographer	Assistant	Farm Manager	Farm Manager	Computer Programmer	Programme Assistant	SMS	SMS	SMS
	-	-	-	-	-	-	Agronomy	-	-	Animal Husbandary	Crop Production	Plant Protection (Entomology)
	18000-56900		35400-112400	35400-112400							56100-177500	56100-177500
	1800		4200	4200			4600				5400	5400
	20900		44900	44900			49000				63100	63100
	27.02.2021		23.11.2017	23.11.2017		08.12.2017					16.03.2022	28.03.2022
	Permanent		Permanent	Permanent		Permanent	Permanent				Permanent	Permanent
	OBC		OBC	OBC		OBC	OBC				OBC	General
	7295911983		9835724071	9835724071		9835669055					7063302224	7018856682
	nilesh0414@rpcau.ac.in		pankaj.rair@rpcau.ac.in	pankaj.rair@rpcau.ac.in		ravikantkumar@rpcau.ac.in					sripriyadas@rpcau.ac.in	abhishek.rana@rpcau.ac.in
												

16.	Supporting staff	Shri Subhan Kumar	SSS	-	18000-56900	1800	20900	26.02.2021	Permanent	General	9897957325	subhamkumar9758902328@gmail.com	
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1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	
3.	Under Crops	13.0
4.	Horticulture	1.0
5.	Pond	0.4
6.	Others if any	3.6
	Total	20

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	✓	-	2016	660	-	-	-	-
2.	Farmers Hostel	✓	-	-	1510	-	-	-	-
3.	Staff Quarters (6)	✓	-	-	-	-	-	450	Required major repairing
4.	Demonstration Units		-	-	-	-	-	-	-
	Mushroom	NHM	-	-	-	-	-	-	-
	Vermicompost	NHM	-	-	60	-	-	-	-
	Azolla	ICAR	-	-	3	-	-	-	-
	Honey Bee	SCSP	-	-	-	-	-	-	-
	Natural Farming	ICAR (NF)	-	-	-	-	-	-	-
	Shade Net	NHM	-	-	335	-	-	-	-
	Polyhouse	NHM	-	-	210	-	-	-	-
5	Fencing	University	-	2017	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-	-
7	Threshing floor	✓	-	-	390	-	-	-	-
8	Farm godown	✓	-	-	513	-	-	-	-
9.	Mini Irrigation	ICAR/RF/GOB	-	-	-	-	-	-	-
10.	Solar Tree	University	-	-	-	-	-	-	-
11	Mother Orchard	University	-	-	10000	-	-	-	-
12.	Implement Shade	CRA	-	-	500	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on December, 2025	Present status
Jeep (Bolero)	2007	ICAR	464607.00	282170	Condemned and auction is in process
Two-Wheeler (Passion Pro)	2016	ICAR	47800.00	19221	Working
Two-Wheeler (Passion Pro)	2016	ICAR	47800.00	24508	Working
Jeep (Bolero)	2026	ICAR	890135.00	Received on 30.03.2026	Working

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
A. Lab equipments			
Moisture meter	2012	1200	Good
Digital scale (cap 2kg)	2017	4100	Good
E-scale (Cap 6 kg)	2017	1961	Good
B. Farm Machinery			
Tractor	2006	328738	Good
M.B plough	2006	16058	Not working
Hydraulic trailer	2006	62500	Good
Leveler	2006	76052	Good
Power weeder	2010	75000	Not working
Sugar cane cutter planter	2011	72450	Good
Square baler	2012	840000	Good
Zero Till Drill			Good
Cultivator	2017	22000	Good
Disc Harrow	2017	43000	Good
Sugarcane trencher	2025	Given by Vishnu Sugar mill	Good
C. AV Aids			
Computer & Accessories	2007	70000	Good
Handycam DCR-DVD 710E	2009	24990	Not working
Multimedia Projector	2009	95000	Good
Photostat machine	2009	64000	Not working
Smart panel board	2026	-	Working

1.8. A). Details of SAC meetings to be conducted in the year

Sl. No.	Date
1. Scientific Advisory Committee	September 2026 (Tentative)

Suggestions of SAC meeting:

डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा

कृषि विज्ञान केंद्र, गोपालगंज

कृषि विज्ञान केंद्र, गोपालगंज की 14^{वीं} वैज्ञानिक सलाहकार समिति की बैठक की कार्यवाही

कृषि विज्ञान केंद्र, गोपालगंज की 14^{वीं} वैज्ञानिक सलाहकार समिति (SAC) की बैठक का आयोजन दिनांक 09 सितम्बर, 2025 को केंद्र के सभागार में किया गया। बैठक की अध्यक्षता, डॉ मयंक राय, निदेशक प्रसार शिक्षा, डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा द्वारा की गयी। बैठक में डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा के अन्य अधिकारीगण, डॉ ए० के० सिंह, निदेशक अनुसंधान, डॉ डी० के० रॉय, निदेशक, बीज, डॉ रनेश कुमार झा, प्राध्यापक, सस्य विज्ञान, एवं डॉ संजीव कुमार, सहायक प्राध्यापक, प्रसार शिक्षा मौजूद रहे। बैठक में निम्नलिखित सदस्य उपस्थित रहे:

क्र. संख्या	नाम	पद नाम एवं पता
1.	डॉ० मयंक राय	निदेशक, प्रसार शिक्षा, डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा (अध्यक्ष वैज्ञानिक सलाहकार समिति)
2.	डॉ० ए० के० सिंह	निदेशक, अनुसंधान, डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा (सदस्य वैज्ञानिक सलाहकार समिति)
3.	डॉ डी० के० रॉय	निदेशक, बीज, डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा (सदस्य वैज्ञानिक सलाहकार समिति)
4.	डॉ अनुपमा कुमारी	वरीय वैज्ञानिक सह प्रधान, कृषि विज्ञान केंद्र, गोपालगंज (सदस्य सचिव, वैज्ञानिक सलाहकार समिति)
5.	डॉ रनेश कुमार झा	प्राध्यापक, सस्य विज्ञान, डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा (सदस्य वैज्ञानिक सलाहकार समिति)
6.	श्री ललन कुमार सुमन	जिला कृषि पदाधिकारी, गोपालगंज (सदस्य वैज्ञानिक सलाहकार समिति)
7.	श्री आकाश कुमार	जिला उद्यान पदाधिकारी, गोपालगंज (सदस्य वैज्ञानिक सलाहकार समिति)
8.	डॉ अनुपम लाल	डी० डी० एम०, नाबार्ड, गोपालगंज

	कुसुमाकर	(सदस्य, वैज्ञानिक सलाहकार समिति)
9.	डॉ अशोक कुमार सिंह	जिला पशुपालन अधिकारी, गोपालगंज (सदस्य, वैज्ञानिक सलाहकार समिति)
10.	डॉ भाग्या विजयन वैज्ञानिक	वैज्ञानिक, राष्ट्रीय लीची अनुसंधान केंद्र, मुजफ्फरपुर (सदस्य, वैज्ञानिक सलाहकार समिति)
11.	डॉ संजीव कुमार	सहायक प्राध्यापक, प्रसार शिक्षा, डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा (सदस्य, वैज्ञानिक सलाहकार समिति)
12.	सुश्री निकिता आनंद	जिला गव्य विकास अधिकारी, गोपालगंज (सदस्य, वैज्ञानिक सलाहकार समिति)
13.	गिरिजेश सिंह	उप मुख्य प्रबंधक, विष्णु शुगर मिल, गोपालगंज (सदस्य, वैज्ञानिक सलाहकार समिति)
14.	अरुण कुमार सिंह	उप गन्ना प्रबंधक, विष्णु शुगर मिल, गोपालगंज
15.	श्री विकास कुमार	जिला परियोजना प्रबंधक, जीविका, गोपालगंज (सदस्य, वैज्ञानिक सलाहकार समिति)
16.	श्री प्रमोद कुमार	प्रबंधक (सी० एफ०), जीविका, गोपालगंज
17.	सुश्री कंचन कुमारी	यंग प्रोफेशनल, जीविका, गोपालगंज
18.	श्री संदीप कुमार सिंह	प्रबंधक, जी० के० पी० सी० एल०, गोपालगंज
19.	श्री नितेश्वर दूबे	प्रगतिशील किसान (सदस्य, वैज्ञानिक सलाहकार समिति)
20.	श्री कुनाल राय	प्रगतिशील किसान (सदस्य, वैज्ञानिक सलाहकार समिति)
21.	श्रीमती गीता देवी	प्रगतिशील महिला किसान (सदस्य, वैज्ञानिक सलाहकार समिति)
22.	श्रीमती सविता देवी	प्रगतिशील महिला किसान (सदस्य, वैज्ञानिक सलाहकार समिति)
23.	डॉ नवीन कुमार	विषय वस्तु विशेषज्ञ, कृषि अभियंत्रण, कृषि विज्ञान केंद्र, गोपालगंज
24.	डॉ अनीता गौतम	विषय वस्तु विशेषज्ञ, गृह विज्ञान, कृषि विज्ञान केंद्र, गोपालगंज
25.	डॉ अभिषेक राणा	विषय वस्तु विशेषज्ञ, पौध सरंक्षण, कृषि विज्ञान केंद्र, गोपालगंज
26.	श्री रविकांत कुमार	प्रक्षेत्र प्रबंधक, कृषि विज्ञान केंद्र, गोपालगंज
27.	श्री पंकज कुमार	सहायक, कृषि विज्ञान केंद्र, गोपालगंज

बैठक की शुरुआत डॉ अनुपमा कुमारी, वरीय वैज्ञानिक सह प्रधान, कृषि विज्ञान केंद्र, गोपालगंज के स्वागत भाषण से हुई, जिसमें उन्होंने इस कार्यक्रम के अध्यक्ष, डॉ मयंक राय, निदेशक प्रसार शिक्षा, डॉ राजेंद्र प्रसाद केंद्रीय कृषि विश्वविद्यालय, पूसा, समिति के सदस्यगण, सम्माननीय किसानों एवं कृषक महिला सदस्यों का विधिवत स्वागत किया। डॉ मयंक राय, निदेशक प्रसार शिक्षा, ने भी सभी सदस्यों का अभिनंदन व स्वागत किया।

वरीय वैज्ञानिक सह प्रधान ने तेरहवीं वैज्ञानिक सलाहकार समिति की बैठक में लिए गए निर्णयों का अनुपालन प्रतिवेदन प्रस्तुत किया। इसके पश्चात 2024-25 का प्रगति प्रतिवेदन एवं 2025-26 का प्रस्तावित कार्यक्रम विस्तृत रूप से प्रस्तुत किया जिसमें समिति के सदस्यों द्वारा गहन विचार विमर्श कर निम्नलिखित सुझाव दिए गए:

1. निदेशक प्रसार शिक्षा ने कहा कि कृषि विज्ञान केंद्र, गोपालगंज के वार्षिक प्रशिक्षण कैलेंडर को केंद्र की वेबसाइट पर अपलोड किया जाये। उन्होंने बताया कि ऑन फार्म ट्रायल के परिणाम व आगामी वर्ष के लिए प्रस्तावित कार्य विस्तृत रूप से प्रस्तुत किये जाने चाहिए। उन्होंने कृषि विज्ञान केंद्र को गन्ने बुआई यन्त्र जैसे ट्रैक्टर, पिट मेकर मशीनों के लिए विश्वविद्यालय को प्रस्ताव भेजने का सुझाव दिया। उन्होंने कहा कि डॉ राजेंद्र प्रसाद कृषि विश्वविद्यालय, पूसा द्वारा चलाई जा रही योजनान्तर्गत मशरूम स्पान प्रयोगशाला के लिए अनुसूचित जाति के किसानों का चुनाव किया जाये ताकि किसानों को लाभ दिया जा सके। खेती में मशीनीकरण पर ध्यान देते हुए उन्होंने बोला कि जिन किसानों के पास कस्टम हायरिंग सेंटर है उनको केंद्र के माध्यम से प्रशिक्षण दिया जाये और अन्य किसानों को कस्टम हायरिंग सेंटर में उपलब्ध विभिन्न प्रकार की मशीनों से अवगत करवाया जाये। केंद्र के प्रक्षेत्र का भ्रमण करते हुए उन्होंने आदेश दिया कि प्रक्षेत्र में उपस्थित पुरानी जर्जर इमारतों को नष्ट करने हेतु विश्वविद्यालय को प्रस्ताव दें।
2. बैठक में उपस्थित किसानों की गन्ने के उत्तम प्रभेद व उनके बीज से सम्बंधित समस्याओं को देखते हुए निदेशक अनुसन्धान ने बताया कि किसान गन्ने के उत्तम प्रभेद क्षेत्रीय अनुसंधान संस्थान, माधोपुर से ले सकते हैं। साथ ही उन्होंने बताया कि कुछ प्रभेद जैसे CoLK-14201 जो इस स्थान के लिए उपयुक्त नहीं है उनको बढ़ावा न दें। उन्होंने केंद्र को सुझाव दिया कि गन्ना के नवीनतम प्रभेदों को केंद्र के प्रक्षेत्र में प्रत्यक्षण के रूप में लगाया जाये और उनके उत्पादन का मूल्यांकन कर किसानों के मध्य प्रचार प्रसार किया जाये। और जानकारी देते हुए उन्होंने बताया किसान पशुपालन से सम्बंधित प्रशिक्षण राष्ट्रीय गोकुल मिशन, माधोपुर से ले सकते हैं।

उन्होंने कृषि विज्ञान केंद्र को सुझाव दिया कि हमेशा विश्वविद्यालय के उत्तम तकनीकों का प्रत्यक्षण कर प्रचार प्रसार करें ताकि किसान उनका लाभ ले सकें। उनका कहना था कि समय की मांग के अनुसार प्राकृतिक खेती का प्रचार प्रसार बहुत ज़रूरी है। पोषण सुरक्षा हेतु मोटे अनाज की खेती पर ध्यान केंद्रित करना ज़रूरी है और इसका किसानों के मध्य प्रचार प्रसार करना भी बहुत ज़रूरी है। समेकित पोषक तत्व प्रबंधन को मध्यनज़र रखते हुए उन्होंने कहा कि किसानों को नैनो यूरिया, नैनो डी ए पी एवं जिंक का महत्व बताना ज़रूरी है।

3. जिला कृषि पदाधिकारी ने सुझाव दिया कि जिले के किसानों को उर्बरकों का संतुलित ढंग से प्रयोग करने हेतु प्रशिक्षण आयोजित करवाए जाएं जिससे उर्वरकों को संतुलित एवं समेकित ढंग से खेतों में प्रयोग किया सके।

जिला उद्यान पदाधिकारी ने अपना विचार व्यक्त करते हुए आग्रह किया कि जो प्रशिक्षणार्थी मशरूम उत्पादन और मधुमखी पालन पर प्रशिक्षण ले चुके हैं उनकी सूची जिला उद्यान विभाग में उपलब्ध करवाई जाये ताकि ज़्यादा से ज़्यादा लोगों को उद्यान विभाग की तरफ से चलायी जा रही योजनाओं का लाभ मिल सके।

4. जिला पशुपालन अधिकारी ने आग्रह किया कि कृषि विज्ञान केंद्र, सिपाया को बिहार पशु विज्ञान विश्वविद्यालय, पटना, नज़दीकी कृषि विज्ञान केंद्रों और पशुपालन विभाग की मदद से केंद्र पर डेरी और बकरी पालन विषयों पर किसानों को प्रशिक्षण आयोजित करना चाहिए। साथ ही उन्होंने सुझाव दिया कि कृषि विज्ञान केंद्र में हरा चारा (फोडर) के विभिन्न प्रभेदों का प्रत्यक्षण लगाया जाये और किसानों को चारा के पौध भी उपलब्ध कराये जाये।
5. जीविका के अधिकारियों ने बताया कि जिला में कुल 24000 स्वयं सहायता समूह हैं। उन्होंने सुझाव दिया कि केंद्र के वार्षिक प्रशिक्षण कैलेंडर को जीविका के साथ साझा किया जाये ताकि ज़्यादा से ज़्यादा स्वयं सहायता समूहों को कृषि विज्ञान केंद्रों में आयोजित होने वाले प्रशिक्षणों का लाभ मिल सके।
6. डॉ रतनेश कुमार झा ने बताया कि ऑन फार्म ट्रायल के अच्छे परिणाम प्राप्त होने पर उत्तम तकनीक को प्रकाशित किया जाना चाहिए तथा उत्तम तकनीक का अग्रिम पंक्ति प्रदर्शन के माध्यम से ज़्यादा से ज़्यादा किसानों के मध्य प्रसार करना चाहिए। साथ ही उन्होंने बताया कि कृषि विज्ञान केंद्र में CCINM DAESI और RPL से सम्बंधित प्रशिक्षण आयोजित करवाया जाए।

7. सदस्य किसान. श्री नितेश्वर दुबे ने कहा कि जिला में रीपर कम बाइंडर ज़्यादा से ज़्यादा कस्टम हायरिंग के माध्यम से उपलब्ध करवाए जाएँ। उनके द्वारा उद्यान से सम्बंधित विषय वस्तु विशेषज्ञ कृषि विज्ञान केंद्र, गोपालगंज में उपलब्ध करवाने हेतु निदेशक प्रसार शिक्षा से अनुरोध किया गया।
8. जिला कृषि पदाधिकारी एवं जिला उद्यान पदाधिकारी ने कहा कि जिले में उगाई जाने वाली विभिन्न फसलों के अंतर्गत क्षेत्र व उत्पादन से सम्बंधित जानकारी जिला कृषि विभाग व जिला उद्यान विभाग से प्राप्त कर सकते हैं। जिला कृषि पदाधिकारी ने कहा कि कृषि विज्ञान केंद्र की तरफ से बेबी कॉर्न और स्वीट कॉर्न की खेती सम्बंधित प्रशिक्षण आयोजित किये जाने चाहिए। उन्होंने मशीनों के अंशशोधन (Calibration) से सम्बंधित प्रशिक्षण पर केंद्र को ध्यान केंद्रित करने को कहा। उनके द्वारा जिले में लीची अंतर्गत क्षेत्र बढ़ाने हेतु कृषि विज्ञान केंद्र और जिला कृषि विभाग को सामूहिक प्रयास करने पर भी प्रकाश डाला गया।
9. वरीय वैज्ञानिक सह प्रधान द्वारा जिला के मधुमखी पालन कर रहे किसानों को शहद बिक्री सम्बंधित आ रही समस्याओं से निदेशक प्रसार शिक्षा को अवगत करवाया गया। निदेशक प्रसार शिक्षा ने शहद बेचने हेतु विश्वविद्यालय अंतर्गत चलाये जा रहे स्टार्टअप से संपर्क करने का सुझाव दिया।
10. DDM, नाबाई द्वारा जिले में चल रहे FPO की जानकारी दी गयी तथा किसानों को सदस्य बना कर अपने उत्पादित उत्पाद को FPO के माध्यम से उचित मूल्य पर बेचने का सुझाव दिया।

वैज्ञानिक सलाहकार समिति के सम्मानित सदस्यों द्वारा दिए गए सुझावों एवं विचार विमर्श के आधार पर कार्यवाही करने के लिए निम्नलिखित बिंदुओं पर कार्य करने का संकल्प लिया गया:

1. कृषि विज्ञान केंद्र, गोपालगंज के वार्षिक प्रशिक्षण कैलेंडर को केंद्र की वेबसाइट पर अपलोड किया जाये।

रिपोर्टिंग प्रभारी

2. कृषि विज्ञान केंद्र को गन्ने बुआई यन्त्र जैसे ट्रैक्टर, पिट मेकर मशीनों के लिए विश्वविद्यालय को प्रस्ताव भेजने का सुझाव दिया।

विषय वस्तु विशेषज्ञ, कृषि अभियंत्रण

3. डॉ राजेंद्र प्रसाद कृषि विश्वविद्यालय, पूसा द्वारा चलाई जा रही योजनान्तर्गत मशरूम स्थान प्रयोगशाला के लिए अनुसूचित जाति के किसानों का चुनाव किया जाये ताकि किसानों को लाभ दिया जा सके।

विषय वस्तु विशेषज्ञ, पौध संरक्षण

4. जिन किसानों के पास कस्टम हायरिंग सेंटर है उनको केंद्र के माध्यम से प्रशिक्षण दिया जाये और अन्य किसानों को कस्टम हायरिंग सेंटर में उपलब्ध विभिन्न प्रकार कि मशीनों से अवगत करवाया जाये।

विषय वस्तु विशेषज्ञ, कृषि अभियंत्रण

5. गन्ना के नवीनतम प्रभेदों को केंद्र के प्रक्षेत्र में प्रत्यक्षण के रूप में लगाया जाये और उनके उत्पादन का मूल्यांकन कर किसानों के मध्य प्रचार प्रसार किया जाये।

विषय वस्तु विशेषज्ञ, फसल उत्पादन एवं प्रक्षेत्र प्रबंधक

6. जिले के किसानों को उर्बरकों का संतुलित ढंग से प्रयोग करने हेतु प्रशिक्षण आयोजित करवाए जाएं जिससे उर्बरकों को संतुलित एवं समेकित ढंग से खेतों में प्रयोग किया सके।

विषय वस्तु विशेषज्ञ, फसल उत्पादन

7. जो प्रशिक्षणार्थी मशरूम उत्पादन और मधुमखी पालन पर प्रशिक्षण ले चुके हैं उनकी सूची जिला उद्यान विभाग में उपलब्ध करवाई जाये ताकि ज़्यादा से ज़्यादा लोगों को उद्यान विभाग की तरफ से चलायी जा रही योजनाओं का लाभ मिल सके।

विषय वस्तु विशेषज्ञ, पौध संरक्षण

8. कृषि विज्ञान केंद्र, सिपाया को बिहार पशु विज्ञान विश्वविद्यालय, पटना, नज़दीकी कृषि विज्ञान केंद्रों और पशुपालन विभाग की मदद से केंद्र पर डेरी और बकरी पालन विषयों पर किसानों को प्रशिक्षण आयोजित करना चाहिए।

वरीय वैज्ञानिक सह प्रधान

9. कृषि विज्ञान केंद्र में हरा चारा (फोडर) के विभिन्न प्रभेदों का प्रत्यक्षण लगाया जाये और किसानों को चारा के पौध भी उपलब्ध कराये जाये।

विषय वस्तु विशेषज्ञ, फसल उत्पादन एवं प्रक्षेत्र प्रबंधक

10. केंद्र के वार्षिक प्रशिक्षण कैलेंडर को जीविका के साथ साझा किया जाये ताकि ज़्यादा से ज़्यादा स्वयं सहायता समूहों को कृषि विज्ञान केंद्रों में आयोजित होने वाले प्रशिक्षणों का लाभ मिल सके

रिपोर्टिंग प्रभारी

11. कृषि विज्ञान केंद्र की तरफ से बेन्नी कॉर्न और स्वीट कॉर्न की खेती सम्बंधित प्रशिक्षण आयोजित किये जाने चाहिए।

वरीय वैज्ञानिक सह प्रधान

12. मशीनों के अंशशोधन (Calibration) से सम्बंधित प्रशिक्षण पर केंद्र में आयोजित किये जाएँ।

विषय वस्तु विशेषज्ञ, कृषि अभियंत्रण

13. शहद बिक्री से जूझ रहे किसानों को शहद बेचने हेतु विश्वविद्यालय अंतर्गत चलाये जा रहे स्टार्टअप से संसर्क करने का सुझाव दिया।

वरीय वैज्ञानिक सह प्रधान एवं विषय वस्तु विशेषज्ञ, पौध संरक्षण

14. प्रक्षेत्र में उपस्थित पुरानी जर्जर इमारतों को नष्ट करने हेतु विश्वविद्यालय को प्रस्ताव देने का सुझाव दिया गया।

वरीय वैज्ञानिक सह प्रधान

अनुपमा कुमारी
19/09/2025

वरीय वैज्ञानिक सह प्रधान

कृषि विज्ञान केंद्र, गोपालगंज
Sr. Scientist & Head
K.V.K. Gopalganj

निदेशक प्रसार शिक्षा

डॉ रा0 प्र0 कें0 क0 वि0, पूसा

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S. No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	Zone-I (North West Alluvial Plains)	i. Crop based farming System a. Rice-wheat b. Rice-wheat-green gram c. Sugarcane d. Rice-Mustard-green gram ii. Dairy iii. Poultry	1. Sandy Loam (Light soil, 30-40% free calcium carbonate, 7.8-8.5 pH, low fertility status, deficient in P,K,Zn,Fe,S and B with low organic carbon) 2. Loam (Medium soil,20-30% free calcium carbonate, 8.0-8.5 pH, low to medium fertility status, deficient in P,K,Zn,Fe,B and S. Low in organic carbon) 3. Clay Loam (Medium to heavy texture, <20% free calcium carbonate, <8.0pH, low to medium fertility status, deficient in P,Zn and S with low in organic carbon)

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	Zone-I (North West Alluvial Plains)	<ul style="list-style-type: none"> Upland- Very deep, fine loam to clay loamy soils Medium land -Loamy soils Low land- Very deep clay loamy soils <p>Topographically, slopes towards the south-east direction, having alluvial plains with a very low gradient.</p>	The district is mainly drained by Gandak river that has taken the present course, which forms the eastern and north eastern boundary of the district. The Gandak river flows in a south easterly direction with an average gradient of 0.28 m/km.

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	Zone-I (North West Alluvial Plains)	<ul style="list-style-type: none"> Rice-wheat fallow situation in low land areas due to late wheat planting because of excess moisture present in soil. Impact of climate change on agricultural production. Injudicious use of fertilisers and pesticides. Non adoption of improved sowing technologies in sugarcane cultivation. Non availability of farm machinery and equipments' parts and skilled repair, and maintenance centre. Post harvest technology and marketing problems in millet cultivation. Irregular flow of mushroom spawn among mushroom growers due to unavailability of spawn lab in the district. Lack of awareness about nutritional security among women and children in rural areas. 	

2.2. Area, Production and Productivity of major crops cultivated in the district (2024)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo of last year	Yield gap (q/ha) with respect to potential yield
1	Paddy	48893	85072	17.40	19.6	Will vary according to variety
2	Maize	4823	16764	34.76	20.24	
3	Pigeon Pea	240	403	16.80	8.30	
4	Wheat	66123	212918	32.20	6.80	
5	Sugarcane	8941	697653	780.29	30.29	
6	Rapeseed/ Mustard	2377	3508	14.76	0.24	
7	Gram	323	315	9.74	2.52	
8	Rabi Maize	3600	18047	50.13	4.87	
9	Lentil	153	121	7.90	0.40	
10	Summer Maize	306	1748	33.21	21.79	
11	Green gram	354	312	8.82	1.50	

Source: District agriculture department.

2.3. Weather data (2025)

Year	Month	Temperature °C		Relative Humidity (%)	Month	Rainfall (mm)
		Maximum	Minimum			
2025	January, 2024	24.32	7.44	50.16	Jan-Feb	0.00
	February, 2024	27.76	8.21	35.61	March-May	48.83
	March, 2024	38.19	13.04	25.21	June-Sept	469.65
	April, 2024	40.55	18.83	33.31	Oct-Dec	327.53
	May, 2024	41.01	24.17	42.6		
	June, 2024	42.8	25.44	50.64		
	July, 2024	39.89	26.42	67.29		
	August, 2024	36.57	24.92	84.96		
	September, 2024	33.85	24.6	85.47		
	October, 2024	32.34	17.5	83.43		
	November, 2024	29.08	11.32	78.59		
	December, 2024	24.62	7.22	72.76		
Total						846.01

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2024)

Category	Population	Production	Productivity	Productivity gap
Cattle				
<i>Crossbred</i>	84.0		2000 L/lactation. 10-12 L/day	
<i>Indegenous</i>	123.5		1000 L/lactation, 4-5 L/day	
Buffalo	72.6			
Sheep				
Goats	216.2		10 kg meat/ Goat	
Pigs	7.5			
Poultry				
Hens	76.7		280 eggs/ bird (Layer) 1.5-2 kg live wt./ bird (Broiler)	
<i>Desi</i>				
Category		Production (q)	Productivity	
Fish (Reservoir)				

*Statcal report

2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
Gopalganj	Kuchaikote	Khemamtih iniya	Paddy, wheat, sugarcane, vegetables, Pulses, Oilseed, Dairy		Cereals- traditional farming, Lack of knowledge about recommended practices, losses due to insect-pest, imbalance use of fertilizer Livestock- diseases, parasites, imbalanced feeding	Crop diversification, High value agriculture, Inclusion of pulses in cropping system, skill oriented trainings for agri-based enterprises.
		Amwa Bijaypur	Paddy, wheat, mustard, Horticulture and vegetables		Cereals- traditional farming, Lack of knowledge about recommended practices, losses due to insect-pest, imbalance use of fertilizer Livestock- diseases, parasites, imbalanced feeding	Crop diversification, High value agriculture, Inclusion of pulses in cropping system, skill oriented trainings for agri-based enterprises. Disease diagnostic services, vaccines Treatments
		Narayanpur	Paddy, wheat, mustard, potato, Oilseeds, Pulses		Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings, Farm mechanization, addressing crops and livestock disease and pests
		Sipaya	Paddy, wheat, mustard, maize, vegetable, Sugarcane	Paddy- 37 Wheat-39 Sugarcane-750 Mustard-15 Maize-55 Potato-142	Cereals-traditional farming, imbalance use of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	Crop diversification, High value agriculture, ZT, happy seeder, skill oriented trainings for agri-based enterprises.
		Bishunpura	Vegetable, Paddy, Wheat, Maize, Potato, Oilseeds, Pulses (Pigeon Pea)	Pigeon Pea-8.5 Lentil-7.5	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
		Tiwari Matihiniya	Paddy, Wheat, Oilseed, Potato		Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
		Shyampur	Paddy, wheat, mustard		Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
		Kaithwaliya	Paddy, wheat, mustard, lentil		Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
		Dubauliya	Paddy, wheat, mustard, lentil		Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
	Unchkagaon	Khutwaniya	Paddy, wheat, mustard	Paddy-36 Wheat-38.5 Mustard-14.5	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings on mushroom, livestock, horticultural crops and cereals, addressing crops and livestock disease and pests,
	Gopalganj Gopalganj	Chaturbagha	Paddy, wheat, maize, sugarcane, mustard	Paddy-37.5 Wheat-39.5 Mustard-14.5 Sugarcane-715	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings in High Value Agriculture especially horticulture, mushroom, farm mechanization, addressing crops and livestock disease and pests.

		Baraipatti	Paddy, wheat, maize, sugarcane, mustard, potato		Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings in Rural crafts, embroidery, processing and value addition, horticulture, mushroom, farm mechanization, addressing crops and livestock disease and pests
	Phulwariya	Gridhar Parsa	Paddy, wheat, maize, mustard, potato, Mushroom	Paddy-35.5 Wheat-37.5 Mustard-12.5 Maize-48 Potato-125	Diseases and pests, unavailability of mushroom spawn, imbalanced use of fertilizer	IPM, IDM and Skill oriented trainings
	Kateya	Kateya	Paddy, wheat, maize, mustard, beekeeping	Paddy-35.5 Wheat-36.5 Mustard-12.5 Maize-47.5	Diseases and pests, imbalanced use of fertilizer	IPM, IDM and Skill oriented trainings
	Hathua	Hathua	Paddy, wheat, maize, mustard, Mushroom	Paddy-36 Wheat-38 Mustard-14 Maize-50	Diseases and pests, unavailability of mushroom spawn, imbalanced use of fertilizer	IPM, IDM and Skill oriented trainings
	Panchdeori	Panchdeori	Paddy, wheat, maize, mustard	Paddy-37 Wheat-38 Mustard-13.5 Maize-47.5	Diseases and pests, unavailability of mushroom spawn, imbalanced use of fertilizer	IPM, IDM and Skill oriented trainings
	Sidhwaliya	Sidhwaliya	Paddy, wheat, , mustard,	Paddy-36 Wheat-38.5 Mustard-14.5	Diseases and pests, unavailability of mushroom spawn, imbalanced use of fertilizer	IPM, IDM and Skill oriented trainings
	Baikunthpur	Baikunthpur	Paddy, wheat, maize, mustard, potato, Mushroom	Paddy-35.5 Wheat-37.5 Mustard-14.5 Maize-45 Potato-115	Diseases and pests, unavailability of mushroom spawn, imbalanced use of fertilizer Lack of knowledge about recommended practices	IPM, IDM and Skill oriented trainings
	Vijaypur	Vijaypur	Oilseed	Mustard-15	Promotion of oilseed crops	Complete package and practices

2.6 Top five major priority thrust areas:

- Needs to sustain crop productivity through integrated crop and field management approach, Crop Diversification and Integrated Nutrient Management, Integrated Disease and Pest Management.
- Adoption of resource conservation technologies (laser land leveler, zero tillage etc.) to combat climate change problems and promotion of Mechanization through Custom Hiring Centre/ farm machinery bank.
- Establishment of employment generating agri –based enterprises like Vermi culture/nursery development/mushroom cultivation/beekeeping/poultry/dairy/Herbal Gulal/Candle making/Value added products.
- Seed production in different villages to meet the requirement of the district.
- Increase the area and productivity of pulse/oilseed crops.

3. TECHNICAL PROGRAMME

3 A. Details of targeted mandatory activities by KVK

OFT		FLD		
(1)		(2)		
Number of OFTs	Number of Farmers	Area (ha)	No of enterprises	Number of Farmers
08	70	30	08	255

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
64	1600	500	10000

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
400	30000	-	100

3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Farm Mechanization	Sugarcane	Poor germination and lodging leads to low yield	Assessment of different planting technique using machinery for enhancing productivity in sugarcane crop	-	-	-	Field visits	Tractor-drawn Ridger, Tractor-drawn Trench Planter
2	Weed management	Sugarcane	Heavy weed infestation in sugarcane leading to reduced crop growth and yield	Assessment of Different Tractor-Drawn Sugarcane Weeders	-	-	-	Field visits	Tractor Drawn Sugarcane Rotary Weeder, Tractor Drawn Sugarcane Rotary Weeder cum Ridger
3	IPM/ IDM	Potato	Leaf curl, stunted plants and blight result in substantial yield losses	Assessment of integrated management strategies for major pests and diseases in potato	-	-	-	Field visits	Plant Protection inputs
4	IPM	Mustard	Yellowing and curling of plant parts along with pod shrinkage lead to significant yield losses	Assessment of integrated pest management technologies for management of mustard aphid	-	-	-	Field visits	Plant Protection inputs
5	Drudgery reduction	Brinjal/ Tomato	Women face problem in vegetable transplanting through traditional method.	Assessment of working efficiency of single row vegetable transplanter	-	-	-	Field visits	Sapling transplanter, Hand held Vegetable Transplanter
6	Drudgery reduction	Nutri-garden	Low efficiency and high drudgery for weeding	Assessment of weeding tools for drudgery reduction in Nutri-garden	-	-	-	Field visits	Five Tyne Weeder, Trishul Weeder, Grubber
7	Integrated Crop Management	Pigeon pea	Reduction in area under pigeon pea cultivation due to its long duration for which no other crops can be grown throughout the year	Assessment of the effect of crop geometry on yield and economics of Pigeon pea	-	-	-	Field visits	Pigeon pea seeds
8	Nutrient management	Potato	Reduced tuber size of potato causing lesser yield per unit area	Assessment of the effect of micronutrients on the growth and productivity of potato	-	-	-	Field visits	Zinc and Boron

9.	Disease Management	Paddy	Reduction in yield due to disease onset during vegetative stage and reproductive stage	-	Demonstration of management measures for brown spot and blast disease complex of paddy	-	-	Field visits and Field days	Plant Protection inputs
10.	Pest Management	Pigeon pea	Poor pod setting and inferior pod quality result in significant yield losses	-	Demonstration for managing pod borer and Pod fly in pigeon pea	-	-	Field visits and Field days	Plant Protection Chemicals
11.	Farm Machinery	Maize	Manual Seeding, Drudgery in operation, Labour intensive operation, Shortage of labour	-	Demonstration of Manual Rotary Dibbler for planting of Maize	-	-	Field visits and Field days	Manual Rotary Dibbler
12.	Farm Machinery	Wheat	Low wheat productivity due to improper crop residue management, delayed sowing after paddy harvest, and burning of crop residues leading to soil degradation and environmental pollution.	-	Demonstration of Crop Residue Management cum Seeding Implement for Wheat Crop	-	-	Field visits and Field days	Happy Seeder
13.	Nutritional Security	Vegetables	Poor nutritional status farm women and their family	-	Demonstration of Nutri-garden kit for Rabi season.	-	-	Field visits and Field days	Vegetable Seeds
14.	Food Security	-	Non availability of land and water logging situation.	-	Demonstration of Grow bags	-	-	Field visits and Field days	Grow bags
15.	Nutrient Management	Wheat	Low use efficiency, higher price and lesser availability of phosphatic fertilisers (DAP) during sowing time.	-	Seed treatment and foliar application of Nano DAP in wheat	-	-	Field visits and Field days	Nano DAP
16.	ICM	Wheat	Nutritional imbalance due to everyday consumption of non-biofortified wheat varieties.	-	Demonstration of Bio-fortified wheat varieties	-	-	Field visits and Field days	Wheat Seeds
17.	Plant Protection	-	-	-	-	Insect-pests management in mustard crop	-	-	-
18.		-	-	-	-	IPM in mustard crop	-	-	-
19.		-	-	-	-	Management of insect-pests and diseases of cucurbitaceous vegetables	-	-	-
20.		-	-	-	-	Insect Pests management under natural farming	-	-	-

21.		-	-	-	-	Integrated management of insect-pests in litchi	-	-	-
22.		-	-	-	-	Insect-pests of brinjal and their management	-	-	-
23.		-	-	-	-	Insect-pests and disease management in sugarcane	-	-	-
24.		-	-	-	-	Insect Pests and diseases of paddy and their management	-	-	-
25.		-	-	-	-	Identification of potato diseases and their management	-	-	-
26.		-	-	-	-	Different insect-pests of maize and their management	-	-	-
27.		-	-	-	-	Management of insect pests and diseases in mustard crop	-	-	-
28.		-	-	-	-	Identification of diseases of wheat and their management	-	-	-
29.	Crop Production	-	-	-	-	Organic Farming	-	-	-
30.		-	-	-	-	Scientific Cultivation of Summer Moong	-	-	-
31.		-	-	-	-	Utilisation of Summer Fallow Areas	-	-	-
32.		-	-	-	-	Balanced fertilisation and Integrated Nutrient Management in Cereals and Pulses	-	-	-
33.		-	-	-	-	Green Manuring-Application and Procedures	-	-	-
34.		-	-	-	-	Resource Conservation Technologies in <i>Kharif</i> crops	-	-	-
35.		-	-	-	-	Scientific cultivation Practices of Paddy	-	-	-
36.		-	-	-	-	Natural Farming	-	-	-
37.		-	-	-	-	Improved Methods of Sugarcane Cultivation	-	-	-

38.		-	-	-	-	Scientific cultivation of Mustard	-	-	-
39.		-	-	-	-	Scientific Cultivation of Potato	-	-	-
40.		-	-	-	-	Scientific Cultivation of Wheat	-	-	-
41.	Agril. Engg.	-	-	-	-	Repair, maintenance and storage of tractor	-	-	-
42.		-	-	-	-	Improved irrigation practices for better production of crops	-	-	-
43.		-	-	-	-	Different types of grain storage structures and its importance	-	-	-
44.		-	-	-	-	Advance agricultural machinery for sugarcane cultivation	-	-	-
45.		-	-	-	-	Operation, safety and maintenance of Land Laser Leveler	-	-	-
46.		-	-	-	-	Selection, operation, safety and maintenance of improved tillage implements	-	-	-
47.		-	-	-	-	Selection, operation, safety and maintenance of Paddy seeding implements	-	-	-
48.		-	-	-	-	Operation and maintenance of Raised bed planter	-	-	-
49.		-	-	-	-	Installation, operation and maintenance of micro-irrigation systems	-	-	-
50.		-	-	-	-	Resource Conservation technologies for sustainable production of Cereal crop	-	-	-
51.	-	-	-	-	Operation and Maintenance of Plant protection machinery	-	-	-	

52.		-	-	-	-	Operation, safety and Maintenance of harvesting implements	-	-	-
53.	Home Science	-	-	-	-	Layout Preparation of Nutrigarden	-	-	-
54.		-	-	-	-	Health benefits of multigrain flour in daily food habit	-	-	-
55.		-	-	-	-	Value addition of Mushroom	-	-	-
56.		-	-	-	-	Nutritional Benefits of Nutri-garden	-	-	-
57.		-	-	-	-	Millet based value added products	-	-	-
58.		-	-	-	-	Nutrition enhancement through various pre cooking methods	-	-	-
59.		-	-	-	-	Immunization	-	-	-
60.		-	-	-	-	Value addition of seasonal fruits	-	-	-
61.		-	-	-	-	Value addition of Oyster Mushroom	-	-	-
62.		-	-	-	-	Manual extraction of banana fiber and handicraft	-	-	-
63.		-	-	-	-	Seasonal vegetables drying at low cost value	-	-	-
64.		-	-	-	-	Food Adulteration	-	-	-
65.		Plant Protection	-	-	-	-	Enhancing year-round income through mushroom cultivation	-	-
66.	-		-	-	-	Beekeeping for sustainable livelihood and income generation	-	-	-

67.	Crop Production	-	-	-	-	Vermicompost and Organic Waste Management for Income Generation	-	-	-
68.		-	-	-	-	Natural farming input production and marketing for rural livelihood	-	-	-
69.	Agril. Engg.	-	-	-	-	Farm Machinery Technician	-	-	-
70.		-	-	-	-	Laser land leveler operator	-	-	-
71.	Home Science	-	-	-	-	Preparation of Herbal gual	-	-	-
72.		-	-	-	-	Candle making	-	-	-
73.	Plant Protection	-	-	-	-	Insect-pests and disease management in cereals	-	-	-
74.		-	-	-	-	Pesticide selection, handling application and disposal	-	-	-
75.	Crop Production	-	-	-	-	Cultivation Practices for Major Oilseeds and Pulses	-	-	-
76.		-	-	-	-	Importance and Scientific Cultivation Practices of different millets	-	-	-
77.	Agril. Engg.	-	-	-	-	Water Use Efficiency and Productivity Gains from Laser Land leveling	-	-	-
78.		-	-	-	-	Solar powered irrigation systems	-	-	-
79.	Home Science	-	-	-	-	Nutritional importance of millets	-	-	-

80.		-	-	-	-	Different models of Nutri-gardens for Nutritional and Economic Security	-	-	-
81.	Livestock Management	-	-	-	-	Poultry farming for rural youth empowerment	-	-	-
82.	Fisheries	-	-	-	-	Entrepreneurship development through fish farming	-	-	-

3.1 Technologies to be assessed

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management				1						1
Integrated Crop Management			1							1
Integrated Nutrient Management				1						1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction					2					2
Farm machineries				1						1
Value addition										
Integrated Pest Management		1		1						2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL		1	1	4	2					8

A.2 Abstract on the number of technologies to be assessed in respect of livestock / enterprises - NA

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

B. Details of all On Farm Trial in the given format

Crop	Sugarcane
Season	Autumn
Main problem	Low germination, Poor tillering and root development, and lodging in Sugarcane
Main cause	Conventional planting method with narrow-row spacing leading to poor aeration, nutrient competition and difficulty in intercultural operations.
Title of OFT	Assessment of different planting techniques using machinery for enhancing productivity in Sugarcane
Farming situation	Soil type :Sandy loam; Land type : Middle gangetic plain; Irrigation type : Irrigated Season-Autumn; Previous crop: Paddy
Thematic area	Farm Mechanization
Farmer practice	FP : Flat planting using country plough/cultivator
Technology option selected for assessment	TOI: Ridge and furrow planting using Tractor-drawn Ridger TOII: Trench Planting using Tractor-drawn Sugarcane Trench Planter
Source of technology	ICAR-IISR Lucknow, 2016
No of trial	08 (Total area: 1.0 ha)
Detail of critical input	Ridger and Trench Planter
Cost of individual critical input	Hiring charge of Ridger: Rs 4500/ha Hiring charge of Trench Planter : 5000/ha
Total cost of critical input	Rs.4700 /ha
Performance indicator to be recorded	(i) Technical indicator (Field capacity, Field Efficiency, Saving in cost of operation over conventional (%), Germination %, No. of tillers, Plant height, CaneYield (Q/ha) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

Crop	Sugarcane
Season	Spring
Main problem	Heavy weed infestation and Inefficient intercultural operations
Main cause	Inadequate and untimely weeding, Labour scarcity and high labour cost, Inefficient traditional weeding methods
Title of OFT	Assessment of Different Tractor-Drawn Sugarcane Weeders
Farming situation	Soil type :Sandy loam; Land type : Middle gangetic plain; Irrigation type : Irrigated Season-Rabi; Previous crop: Mustard
Thematic area	Farm Mechanization
Farmer practice	FP: Tractor Drawn Sugarcane Cultivator
Technology option selected for assessment	TOI: Tractor Drawn Sugarcane Rotary Weeder TOII: Tractor Drawn Sugarcane Rotary Weeder cum Ridger
Source of technology	Tamil Nadu Agricultural University (TNAU), 2014
No of trial	8 (Total area:1.0 ha)
Detail of critical input	Hiring cost of Machinery
Cost of individual critical input	Tractor-Drawn Sugarcane Rotary Weeder : Rs 5000/ha Tractor-Drawn Sugarcane Rotary Weeder cum Ridger : Rs 5500/ha
Total cost of critical input	Rs 5200/ha
Performance indicator to be recorded	1.Technical indicator (Weed control efficiency (%), Field capacity (ha/h), Cost of operation (Rs/ha), Sugarcane Yield (t/ha) 2.Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) 3.Farmer perception

Crop	Potato
Season	Rabi (2026-27)
Main problem	Leaf curl, stunted plants and blight result in substantial yield losses
Main cause	Sap sucking pests like aphids, whiteflies, and late blight disease
Title of OFT	Assessment of integrated management strategies for major pests and diseases in potato
Farming situation	Sandy loam, Up/medium land, irrigated, previous crop: Maize/paddy
Thematic area	Integrated Pest and disease Management
Farmer practice	FP: Untimely sprays of Mancozeb 75 WP @ 2g/lt
Technology option selected for assessment	<p>TO-I:</p> <ul style="list-style-type: none"> ▪ Discard infected cut tubers (Discoloured flesh); treat healthy seed with Carbendazim + Mancozeb @ 2 g/kg ▪ Stop irrigation if weather become congenial for disease. ▪ At 25–30 DAP: Spray Imidacloprid 17.8 SL @ 0.3 ml/l to manage sucking pests (ETL-based) ▪ Before disease appearance: Chlorothalonil 75 WP @ 1.5 g/lt ▪ After disease appearance: Dimethomorph 50 WP @ 1.3 g/lt ▪ After 8–10 days: Need based spray of Chlorothalonil 75WP @ 1.5g/lt ▪ Remove haulms to reduce tuber infection & harvest within 10-15 days <p>TO-II:</p> <ul style="list-style-type: none"> ▪ Seed treatment with <i>Trichoderma viride</i> @ 10g/kg ▪ Soil treatment with <i>T. viride</i> @ 5kg/5q FYM/ha ▪ At 25–30 DAP: Yellow sticky traps @ 10-12/acre followed by one spray of NSKE @ 3 ml/lt. ▪ Before disease appearance: <i>T. viride</i> (0.7%) + <i>Bacillus subtilis</i> (0.25%) ▪ After disease appearance: Cymoxanil 8%+Mancozeb 64 % WP (0.3 %) ▪ followed by 2nd need based spray of <i>T. viride</i> (0.7%) + <i>B. subtilis</i> (0.25%) again
Source of technology	TO-I: CPRI, Himachal Pradesh (2020); TO-II: CPRI Modipuram, Meerut (2019)
No of trial	10 (1.0 ha)
Detail of critical input	Carbendazim+Mancozeb, Imidacloprid 17.8 SL, Chlorothalonil 75WP , Dimethomorph 50 WP , <i>Trichoderma viride</i> , yellow sticky traps, NSKE, <i>B.subtilis</i> , Cymoxanil 8+Mancozeb 64 WP
Cost of individual critical input	Carbendazim+Mancozeb (Rs. 700), Imidacloprid 17.8 SL (Rs. 400), Chlorothalonil 75WP (Rs. 700), Dimethomorph 50 WP (Rs. 500), <i>T. viride</i> (Rs. 1000), yellow sticky traps (Rs. 300), NSKE (Rs. 700), <i>B.subtilis</i> (Rs. 500), Cymoxanil 8+Mancozeb 64 WP (Rs. 400)
Total cost of critical input	Rs. 5200/ha (Approx.)
Performance indicator to be recorded	<p>(i) Technical indicator: Disease incidence and disease severity (%), No. of pests/plant, Infestation (%), Yield (q/ha)</p> <p>(ii) Economic indicator: Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio</p> <p>(iii) Farmer perception: Benefits and constraints of technologies over conventional practices</p>

Crop	Mustard
Season	Rabi (2026-27)
Main problem	Yellowing and curling of plant parts along with pod shrinkage lead to significant yield losses
Main cause	Sap sucking by aphid during vegetative and pod formation stage
Title of OFT	Assessment of integrated pest management technologies for management of mustard aphid
Farming situation	Sandy loam/clayey loam, Medium/low land, irrigated, previous crop: paddy
Thematic area	Integrated Pest Management
Farmer practice	FP: Untimely sprays of Imidacloprid 17.8 SL @ 1 ml/lt
Technology option selected for assessment	TO-I: Seed treatment with Imidacloprid 70 WS @ 7 ml/kg <i>Vegetative stage:</i> Yellow sticky traps (10–12/acre) during early stages followed by one prophylactic spray of NSKE 1500 ppm (3 ml/lt) <i>Pre-flowering stage:</i> Thiamethoxam 25 WG @ 0.3g/lt (ETL based) <i>Pod formation stage:</i> Thiamethoxam 25 WG @ 0.3g/lt TO-II: Seed treatment with Imidacloprid 70 WS @ 7 ml/kg <i>Vegetative stage:</i> Dimethoate 30 EC @ 1 ml/L <i>Pod formation stage:</i> Thiamethoxam 25 WG @ 0.3g/lt
Source of technology	TO-I: National Institute of Plant Health Management (NIPHM, 2020), National Research Centre for Integrated Pest Management (NCIPM, 2021)
No of trial	10 (1.0 ha)
Detail of critical input	Imidacloprid 70 WS, Thiamethoxam 25 WG, Dimethoate 30 EC, Yellow sticky traps, NSKE, <i>Verticillium lecanii</i>
Cost of individual critical input	Imidacloprid 70 WS (Rs. 500), Thiamethoxam 25 WG (RS. 250), Dimethoate 30 EC (Rs. 250), Yellow sticky traps (Rs. 300), NSKE (Rs. 700), <i>Verticillium lecanii</i> (Rs. 500)
Total cost of critical input	Rs. 2500/ha (Approx.)
Performance indicator to be recorded	(i) Technical indicator: No. of pests/plant, Pest infestation (%), Yield (q/ha) (ii) Economic indicator: Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio (iii) Farmer perception: Benefits and constraints of technologies over conventional practices

Crop	Pigeon pea
Season	<i>kharif</i> (June-July)
Main problem	Reduction in area under pigeon pea cultivation
Main cause	Farmers not willing to cultivate pigeon pea due to its long duration for which no other crops can be grown throughout the year
Title of OFT	Assessment of the effect of crop geometry on yield and economics of Pigeon pea
Farming situation	Sandy loam, up/medium land, irrigated, previous crop: moong or fallow
Thematic area	Integrated crop management
Farmer practice	FP : Broadcasting without any proper spacing
Technology option selected for assessment	TO2: Line sowing [60 cm (row to row) × 20 cm (plant to plant)] TO3: Paired row planting (45-45-90 cm) along with urdbean as intercrop
Source of technology	Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur (2020)
No of trial	10 (1 ha)
Detail of critical input	Pigeon pea seeds (<i>cv.</i> Rajendra Arhar 1)
Cost of individual critical input	Rs. 400
Total cost of critical input	Rs. 4000/ ha
Performance indicator to be recorded	(i) Technical indicator [Plant height, No. of pods/plant, test weight, yield (q/ha)] (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception (Acceptability)

Crop	Potato
Season	<i>Rabi</i> (November)
Main problem	Reduced tuber size of potato causing lesser yield per unit area
Main cause	Deficiency of micro-nutrients in calcareous alluvial soil of Gopalganj district
Title of OFT	Assessment of the effect of micronutrients on the growth and productivity of potato
Farming situation	Sandy loam, Up / Medium land, irrigated, previous crop: paddy / Maize
Thematic area	Nutrient management
Farmer practice	FP : RDF: N:P O :K O (150:90:100) kg/ha _{2 5 2}
Technology option selected for assessment	TO I: RDF + Basal application of Zn @ 2.5 kg/ha + foliar application of Zinc Sulphate @ 2gm/ litre of water at 25 and 50 DAP TO II: RDF + Basal application of Zn @ 4.5 kg/ha + 3 sprays of 0.1% B at 40, 50 and 60 DAP
Source of technology	TOI: AICRP on Potato, TCA Dholi, RPCAU, Pusa (2022) TO II: AICRP on Potato, Bidhan Chandra Krishi Viswavidyalaya, West Bengal (2018)
No of trial	10 (1 ha)
Detail of critical input	Zinc and Boron
Cost of individual critical input	Rs. 150
Total cost of critical input	Rs. 1500/ha
Performance indicator to be recorded	(i) Technical indicator [Plant height, No. of tubers/plant, tuber weight, yield (q/ha)] (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception

Crop	Brinjal/Tomato
Season	Rabi /Kharif/Summer
Main problem	Women face problem in vegetable transplanting through traditional method.
Main cause	Drudgery in vegetable transplanting & low back pain
Title of OFT	Assessment of working efficiency of single row vegetable transplanter
Farming situation	Sandy loam, irrigated
Thematic area	Drudgery reduction
Farmer practice	FP : Use of Khurpi for transplanting vegetables
Technology option selected for assessment	TOI: Sapling transplanter (Single Row) TOII: Hand Held Vegetable Transplanter-Modle-I (Single Row)
Source of technology	TOI: AICRP, FRM, College of Home Science, MPUAR, Udaipur, Rajasthan (2019) TOII: ICAR- Central Institute of Agricultural Engineering (CIAE), Bhopal (2018)
No of trial	7
Detail of critical input	Sapling transplanter, CIAE Hand Held Vegetable Transplanter-Modle-I
Cost of individual critical input	5000.00
Total cost of critical input	10000.00
Performance indicator to be recorded	Cost saving, Labour requirement, Time saving, BMI, Acceptability, Drudgery index

Crop	Nutri-garden
Season	Rabi (2026)
Main problem	Low efficiency and high drudgery for weeding
Main cause	Manual weeding using normal sickle or <i>khurpi</i>
Title of OFT	Assessment of weeding tools for drudgery reduction in Nutri-garden
Farming situation	Soil type- Sandy Loamy, loam, clay loam, neutral to alkaline pH Irrigation- Borewell
Thematic area	Drudgery reduction
Farmer practice	Manual weeding using normal sickle or <i>khurpi</i>
Technology option selected for assessment	T1: Five tyne manual Weeder T2: Trishul weeder T3: Grubber
Source of technology	College of Home Science, CSKHPKV, Palampur (2012) College of Home Science, VNMKV, Parbhani (2006) RPCAU, Pusa
No of trial	7
Detail of critical input	Five Tyne Weeder, Trishul weeder, Grubber
Cost of individual critical input	3780/-
Total cost of critical input	Number of weeds/m ² (After use of the tool), Heart rate, Work efficiency, Economics.
Performance indicator to be recorded	Nutri-garden

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer s/ demon	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Paddy	Disease management	Demonstration of management measures for brown spot and blast disease complex in paddy	<i>Trichoderma</i> , Tebuconazole +Trifloxystrob	Kharif (2026)	2	15	(I) Technical indicator: Disease incidence and disease severity (%), reduction in disease incidence (%) over farmers practice, Yield (q/ha) (II) Economic indicator: Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio
2	Pigeon pea	Pest management	Demonstration for managing pod borer and Pod fly in pigeon pea	Spinosad 45 SC	Kharif (2025)	2	20	(I) Technical indicator- Pod fly and borer infestation (%), Yield (q/ha) (II) Economic indicator- Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio
3	Maize	Farm Machinery	Demonstration of Manual Rotary	Rotary Dibbler	Rabi (2026)	4	25	(I) Technical indicator- Field capacity

			Dibbler for planting of Maize						(II) (ha/h), labour saving (Man-days) and Maize Yield (t/ha) Economic indicator: Cost of Cultivation, Gross return, Net Return and B: C Ratio
4	Wheat	Farm Machinery	Demonstration of Happy Seeder for Sowing of Wheat	Happy Seeder	Rabi (2026)	4	20	(I) Technical indicator- Field capacity (ha/h), Fuel consumption (L/ha) Plant Population and Wheat Yield (t/ha) (II) Economic indicator: Cost of Cultivation, Gross return, Net Return and B: C Ratio	
5	Vegetables	Nutritional Security	Demonstration of Nutri-garden	Kit with vegetable seeds and sapling	Kharif (2026)	1.5	100	Yield (kg/day), Anthropometric measure B:C ratio	
6	-	Food Security	Demonstration of Grow bags	Grow bags	Kharif / Rabi (2025)	210 units	30	Yield B:C ratio Acceptability and durability	
7	Wheat	Nutrient Management	Demonstration of Nano DAP in wheat	Nano DAP	Rabi (2026)	10	25	(I) Technical indicator- Grain yield (q/ha). Straw yield (q/ha) (II) Economic indicator – Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio	
8	Wheat	ICM	Demonstration of Bio-fortified wheat varieties	Wheat seeds	Rabi (2025)	10	25	(I) Technical indicator- Grain yield (q/ha). Straw yield (q/ha) (II) Economic indicator – Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio	
				Total					

Sponsored Demonstration

Crop	Area (ha)	No. of farmers

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Farmers Training	08	According to season	160
2	Field days	08		200
3	Media coverage	20	-	-
4	Training for extension functionaries	-	-	-

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Rotary Dibbler	Maize	Rabi, 2026	25	4	Rotary Dibbler	Technical indicator- Capacity, Economic indicator- B:C ratio
Happy Seeder	Wheat	Rabi, 2026	20	4	Happy Seeder operation	Technical indicator- Field capacity, Fuel consumption, Economic indicator- B: C ratio

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators

Details of all FLD in the given format

Title of FLD	Demonstration of Manual Rotary Dibbler for planting of Maize		
Season & Year	Rabi & 2026		
Main Problem	Manual Seeding, Drudgery in operation, Labour intensive operation, Shortage of labour		
Main cause of problem	Input cost increases due to higher cultivation expenses, Tedious operation specially for woman		
Full detail of farmer's Practice	Manual Planting by Khurpi or Hoe		
Full detail of technology to be demonstrated	Manual Rotary Dibbler		
Source of Technology with year	CIAE Bhopal, 2021		
Name of the Technology	Manual Rotary Dibbler		
Thematic area	Farm mechanization for crop production		
Name of villages	Sipaya, Khemmathiniya, Roopchhap, Kalamathiniya, Durgmathiniya		
Farming situation	Soil type :Sandy loam; Land type : Low Land; Irrigation type : Irrigated Season-Rabi; Previous crop: Paddy		
Area (ha)/Unit (No.)	4.0 ha	No of farmers	25
Performance indicator	(I) Technical indicator- Field capacity (ha/h), labour saving (Man-days) and Yield (t/ha) (II) Economic indicator: Cost of Cultivation, Gross return, Net Return and B: C Ratio		

	(III) Farmer Feedback		
Title of FLD	Demonstration of Happy Seeder for Sowing of Wheat		
Season & Year	Rabi & 2026		
Main Problem	Low wheat productivity due to improper crop residue management, delayed sowing after paddy harvest and burning of crop residues leading to soil degradation and environmental pollution.		
Main cause of problem	<ol style="list-style-type: none"> 1. Farmers' dependence on conventional tillage practices 2. Time constraint between paddy harvest and wheat sowing 3. High cost and limited access to advanced implements 		
Full detail of farmer's Practice	Broadcasting of Wheat seed followed by ploughing and levelling		
Full detail of technology to be demonstrated	Sowing of wheat using Happy Seeder Implement		
Source of Technology with year	Punjab Agricultural University (PAU), Ludhiana and Australian Centre for International Agricultural Research (ACIAR), 2002		
Name of the Technology	Tractor Drawn Happy Seeder		
Thematic area	Farm Mechanization/ Crop Residue Management		
Name of villages	Salehpur, Shyampur, Shobamchak, Kalamathiniya, Baliwansagar		
Farming situation	Soil type :Sandy loam; Land type : Low Land; Irrigation type : Irrigated Season-Rabi; Previous crop: Paddy		
Area (ha)/Unit (No.)	4.0 ha	No of farmers	20
Performance indicator	<ol style="list-style-type: none"> (I) Technical indicator- Field capacity (ha/h), Fuel consumption (L/ha) Plant Population and Wheat Yield (t/ha) (II) Economic indicator: Cost of Cultivation, Gross return, Net Return and B: C Ratio (III) Farmer Feedback 		

Title of FLD	Demonstration for managing brown spot and blast disease complex of paddy		
Season & Year	Kharif (2026)		
Main Problem	Reduction in yield due to disease onset during vegetative stage and reproductive stage		
Main cause of problem	Brown spot and blast disease complex in paddy during early crop growth stages to reproductive stages		
Full detail of farmer's Practice	Untimely application of carbendazim 50 WP @ 2g/litres		
Full detail of technology to be demonstrated	Seed treatment with <i>Trichoderma</i> sp. @5 g/ kg seed 02 sprays of Tebuconazole 50%+ Trifloxystrobin 25% WG @ 0.5 g/lit at 15 days interval during vegetative stage on the onset of disease.		
Source of Technology with year	ICAR-National Rice Research Institute, Cuttack, 2020		
Name of the Technology	Tebuconazole 50%+ Trifloxystrobin 25% WG @ 0.5 g/lit		
Thematic area	Disease management		
Name of villages	Khem Matihiniya, Roop Chhap, Sipaya, Baraipatti		
Farming situation	Soil type- Sandy Loam, Irrigated, Medium/low land; Previous crop: Wheat/Fallow/Greengram		
Area (ha)/Unit (No.)	2.0	No of farmers	15
Performance indicator	<ol style="list-style-type: none"> (I) Technical indicator: Disease incidence and disease severity (%), reduction in disease incidence (%) over farmers practice, Yield (q/ha) (II) Economic indicator: Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio (III) Farmer Feedback- Benefits and constraints of demonstrated technology 		

Title of FLD	Demonstration for managing pod borer and Pod fly in pigeon pea		
Season & Year	Kharif (2026)		
Main Problem	Poor pod setting and inferior pod quality result in significant yield losses		
Main cause of problem	Infestation due to pod fly and pod borer during pod initiation and pod development stages, respectively		
Full detail of farmer's Practice	Untimely application of different insecticides		
Full detail of technology to be demonstrated	First application of spinosad 45 SC @ 0.3 ml/L just before flowering (DAS: 90-95 Days) and second during pod initiation (DAS: 120-125 Days)		
Source of Technology with year	ICAR-NCIPM, New Delhi, 2020		
Name of the Technology	Spinosad 45 SC @ 0.3 ml/L		
Thematic area	Pest management		
Name of villages	Baliwan Raimal, Tiwari Matihiniya, Roop Chhap, Sipaya		
Farming situation	Soil type- Sandy Loam, Irrigated; medium land		
Area (ha)/Unit (No.)	2.0	No of farmers	20
Performance indicator	(I) Technical indicator- Pod fly and borer infestation (%), Yield (q/ha) (II) Economic indicator- Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio (III) Farmer Feedback- Benefits and constraints of demonstrated technology over conventional practices		

Title of FLD	Demonstration of Nutri-garden		
Season & Year	Rabi, 2026		
Main problem	Poor nutritional status farm women and their family		
Main cause of problem	Non awareness about benefits of nutri-garden& non availability of good quality or costly vegetables seeds at local market		
Full detail of farmer's practice	Cultivation of limited vegetables only using local seeds (Cauliflower, Tomato, chilli and Brinjal)		
Full detail of technology to be demonstrated	Nutri-garden kit consisting of good quality seeds of Cauliflower, Cabbage, Broccoli, Tomato, carrot, Radish, Chilly, Brinjal, Spinach, Coriander, Amaranthus, Fenugreek.		
Source of technology with year	-		
Name of the technology	Nutri-garden Kit		
Thematic area	Nutritional security security		
Name of villages	Khem Matihiniya, Roopchhap, Diyar vijaypur, Kuchaikote, Pokharbhindha, Bakhari Balua Tola		
Farming situation	Soil type- Sandy Loam, Loam, clay loam, neutral to alkaline, Irrigation- Bore well		
Area (ha)/Unit (No.)	1.5 ha	No of farmers	100
Performance indicator	(I) Technical indicator- Yield (kg/ day) (II) Economic indicator- B: C ratio (III) Farmer Feedback- Farmer perception		

Title of FLD	Demonstration of Grow bags		
Season & Year	Kharif/Rabi, 2026		
Main problem	Non availability of land and water logging situation.		
Main cause of problem	Low land area and non availability of land among most of the schedule caste households.		
Full detail of farmer's practice	Farm women are not able to grow vegetables due to water logging/ non availability of land.		
Full detail of technology to be demonstrated	Grow bags are portable planters for growing vegetables made out plastic/fabric which offers improved aeration, drainage and durability. This is space efficient and eco-friendly. Size- (12 × 12) inch		
Source of technology with year	-		
Name of the technology	Grow bags		
Thematic area	Food Security		
Name of villages	Amwa vijaypur, Khem mathihiniya, Baliwan Raimal, Tiwari Mitihiniya, Roopchhap, Diyarvijaypur, Sipaya Khas, Kuchaikote, Pokharbhinda		
Farming situation	Lowland and waterlogged areas		
Area (ha)/Unit (No.)	210 units	No of farmers	30
Performance indicator	(I) Technical indicator- Yield (kg/ day) (II) Economic indicator- B: C ratio (III) Farmer Feedback- Acceptability and durability		

Title of FLD	Demonstration of Nano DAP in wheat		
Season & Year	Rabi & 2026		
Main Problem	Low use efficiency, higher price and lesser availability of phosphatic fertilisers (DAP) during sowing time.		
Main cause of problem	Application of higher dose of phosphorous as DAP than recommended.		
Full detail of farmer's Practice	RDF: N:P ₂ O ₅ :K ₂ O (120:60:40) Kg/ha, through		
Full detail of technology to be demonstrated	50% P as DAP at basal , 100%N,K + Seed treatment with Nano DAP @ 5ml/kg seed + 1 st Spray with Nano DAP @ 4ml/L water at tillering stage (30 DAS) + 2 nd Spray with Nano DAP @ 4ml/L at panicle initiation stage (60 DAS)		
Source of Technology with year	ICAR-Research Complex for Eastern Region, Patna, Bihar (2022)		
Name of the Technology	Nano DAP		
Thematic area	Nutrient management		
Name of villages	Sipaya, Diyar Vijaipur, Khem Matihania, Tiwari Matihania, Baraipatti		
Farming situation	Soil type- Sandy Loamy, Loam, clay loam, neutral to alkaline, Irrigation- Bore well		
Area (ha)/Unit (No.)	10 ha	No of farmers	25
Performance indicator	(I) Technical indicator- Grain and Straw Yield (q/ha) (II) Economic indicator - Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio (III) Farmer Feedback- Acceptability		

Title of FLD	Demonstration of Bio-fortified wheat varieties		
Season & Year	Rabi & 2026		
Main Problem	Nutritional imbalance due to everyday consumption of non-biofortified wheat varieties.		
Main cause of problem	Continuous cultivation of non-biofortified wheat varieties due to non-availability of seeds of biofortified varieties.		
Full detail of farmer's Practice	HYV (HD 2967)		
Full detail of technology to be demonstrated	DBW 187 (Karan Vandana) – Biofortified with Fe (43.1 ppm) / DBW 316 (Karan Prema)- Biofortified with Zn (38.1 ppm) and Fe (38.2 ppm) / Rajendra Gehu 4- Biofortified with Fe and Zinc		
Source of Technology with year	Indian Institute of Wheat and Barley Research, Karnal		
Name of the Technology	Bio-fortified wheat varieties		
Thematic area	Integrated Crop Management		
Name of villages	Sipaya, Diyar Vijapur, Khem Matihania, Tiwari Matihania, Baraipatti		
Farming situation	Soil type- Sandy Loamy, Loam, clay loam, neutral to alkaline, Irrigation- Bore well		
Area (ha)/Unit (No.)	10 ha	No of farmers	25
Performance indicator	(I) Technical indicator- Grain yield (q/ha). Straw yield (q/ha) (II) Economic indicator – Gross cost (Rs./ha), Gross return (Rs./ha), Net Return (Rs./ha), B:C ratio (III) Farmer Feedback- Feedback upon technology demonstrated.		

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	Name of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Weed Management									
Resource Conservation Technologies	• Resource Conservation Technologies in Kharif crops	15	05	20	05	00	05	25	
Cropping Systems									
Crop Diversification									
Site specific nutrient management									
Integrated Farming									
Water management									
Seed production									
Nursery management									
Integrated Crop Management	• Scientific Cultivation of Summer Moong	20	05	25	00	00	00	25	
	• Improved Methods of Sugarcane Cultivation	21	04	25	00	00	00	25	
	• Scientific cultivation of Mustard	10	10	20	02	03	05	25	
Fodder production									
Production of organic inputs									
Natural farming/organic farming	• Organic Farming	20	04	24	01	00	01	25	
	• Natural Farming	21	04	25	00	00	00	25	
Others									
II Horticulture									

a) Vegetable Crops									
Production of low volume and high value crops									
Off-season vegetables									
Nursery raising									
Exotic vegetables like Broccoli									
Export potential vegetables									
Grading and standardization									
Protective cultivation (Green Houses, Shade Net etc.)									
Natural farming									
b) Fruits									
Training and Pruning									
Layout and Management of Orchards									
Cultivation of Fruit									
Management of young plants/orchards									
Rejuvenation of old orchards									
Export potential fruits									
Micro irrigation systems of orchards									
Plant propagation techniques									
c) Ornamental Plants									
Nursery Management									
Management of potted plants									
Export potential of ornamental plants									
Propagation techniques of Ornamental Plants									
d) Plantation crops									
Production and Management technology									
Processing and value addition									
e) Tuber crops									
Production and Management technology									
Processing and value addition									
f) Spices									
Production and Management technology									
Processing and value addition									
g) Medicinal and Aromatic Plants									
Nursery management									
Production and management technology									
Post harvest technology and value addition									
III Soil Health and Fertility Management									
Soil fertility management									
Soil and Water Conservation									
Integrated Nutrient Management									
Production and use of organic inputs									
Management of Problematic soils									
Micro nutrient deficiency in crops									
Nutrient Use Efficiency									
Soil and Water Testing									

IV Livestock Production and Management								
Dairy Management								
Poultry Management	<ul style="list-style-type: none"> Poultry farming for rural youth empowerment 	16	04	20	03	02	05	25
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	<ul style="list-style-type: none"> Nutritional Benefits of Nutri-garden 	05	15	20	00	05	05	25
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	<ul style="list-style-type: none"> Millet based value added products Value addition of seasonal fruits Seasonal vegetables drying at low cost value 	05 04 0	20 21 10	25 25 10	00 00 02	00 00 13	00 00 15	25 25 25
Income generation activities for empowerment of rural Women	<ul style="list-style-type: none"> Manual extraction of banana fiber and handicraft 	05	10	15	00	05	10	25
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	<ul style="list-style-type: none"> Installation, operation and maintenance of micro-irrigation systems 	16	04	20	03	02	05	25
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	<ul style="list-style-type: none"> Repair, maintenance and storage of tractor Operation, safety and maintenance of Land Laser Leveler Selection, operation, safety and maintenance of Paddy seeding implements Operation and maintenance of Raised bed planter Operation and Maintenance of Plant protection machinery Operation, safety and Maintenance of harvesting implements 	19 20 10 14 21 10	06 05 00 00 00 00	25 25 10 14 21 10	00 00 02 06 04 13	00 00 13 05 00 02	00 00 15 11 04 15	25 25 25 25 25 25
Small scale processing and value addition								
Post Harvest Technology								
RCT								
VII Plant Protection								

Integrated Pest Management	<ul style="list-style-type: none"> • IPM in mustard crop • Management of insect-pests and diseases of cucurbitaceous vegetables • Insect Pests management under natural farming • Integrated management of insect-pests in litchi 	10	00	10	02	13	15	25
		14	00	14	06	05	11	25
		21	00	21	04	00	04	25
		10	00	10	13	02	15	25
Integrated Disease Management	<ul style="list-style-type: none"> • Identification of diseases of wheat and their management 	16	04	20	03	02	05	25
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming	<ul style="list-style-type: none"> • Entrepreneurship development through fish farming 	10	00	10	02	13	15	25
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								

XII Others (Pl. Specify)								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production	<ul style="list-style-type: none"> • Enhancing year-round income through mushroom cultivation • Income generation through mushroom production technologies 	16	03	19	03	03	06	25
		14	06	20	05	00	05	25
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs	<ul style="list-style-type: none"> • Vermicompost and Organic Waste Management for Income Generation • Natural farming input production and marketing for rural livelihood 	20	05	25	00	00	00	25
		21	04	25	00	00	00	25
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements	<ul style="list-style-type: none"> • Farm Machinery Technician • Laser land leveler operator 	13	05	18	06	01	07	25
		08	07	15	05	05	10	25
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Others	<ul style="list-style-type: none"> • Candle making • Herbel gual 	14	06	20	05	00	05	25
		15	05	20	03	02	05	25
TOTAL								
(C) Extension Personnel								
Productivity enhancement in field crops	<ul style="list-style-type: none"> • Importance and Scientific Cultivation Practices of different millets 	11	11	22	02	01	03	25
Integrated Pest Management								
Integrated Nutrient management								

Rejuvenation of old orchards									
Protected cultivation technology									
Formation and Management of SHGs									
Group Dynamics and farmers organization									
Information networking among farmers									
Capacity building for ICT application									
Care and maintenance of farm machinery and implements									
WTO and IPR issues									
Management in farm animals									
Livestock feed and fodder production									
Household food security									
Women and Child care									
Low cost and nutrient efficient diet designing	• Nutritional importance of millets	02	03	05	05	15	20	25	
Production and use of organic inputs									
Gender mainstreaming through SHGs									
Any other (Pl. Specify) Pesticide safety	• Pesticide selection, handling application and disposal	15	02	17	05	03	08	25	
TOTAL									
G. Total									

B) OFF Campus

Thematic Area	Name of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		Male	Female	Total	Male	Female	Total		
(A) Farmers & Farm Women									
I Crop Production									
Weed Management									
Resource Conservation Technologies									
Cropping Systems									
Crop Diversification									
Site specific nutrient management									
Integrated Farming									
Water management									
Seed production									
Nursery management									
Integrated Crop Management	• Utilisation of Summer Fallow areas	15	00	15	03	02	05	25	
	• Green Manuring- Application and Procedures	10	00	10	02	13	15	25	
	• Scientific cultivation Practices of Paddy	14	00	14	06	05	11	25	
	• Scientific Cultivation of Potato	21	00	21	04	00	04	25	
	• Scientific Cultivation of Wheat	10	0	10	13	02	15	25	
Fodder production									
Production of organic inputs									
Natural farming/organic farming									

Others	Balanced fertilisation and Integrated Nutrient Management in Cereals and Pulses	08	06	14	05	06	11	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								

Micro nutrient deficiency in crops									
Nutrient Use Efficiency									
Soil and Water Testing									
IV Livestock Production and Management									
Dairy Management									
Poultry Management									
Piggery Management									
Rabbit Management/goat									
Disease Management									
Feed management									
Production of quality animal products									
V Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening	• Layout Preparation of Nutrigarden	06	14	20	00	05	05	25	
Design and development of low/minimum cost diet	• Health benefits of multigrain flour in daily food habit	07	13	20	00	05	05	25	
Designing and development for high nutrient efficiency diet	• Nutrition enhancement through various pre cooking methods	02	18	20	00	05	05	25	
Minimization of nutrient loss in processing									
Gender mainstreaming through SHGs									
Storage loss minimization techniques									
Value addition	• Value addition of Mushroom	21	04	24	01	00	01	25	
	• Value addition of Oyster Mushroom	21	04	25	00	00	00	25	
Income generation activities for empowerment of rural Women									
Location specific drudgery reduction technologies									
Rural Crafts									
Women and child care	• Immunization	04	21	24	01	00	01	25	
	• Food Adulteration	05	16	21	00	04	04	25	
VI Agril. Engineering									
Installation and maintenance of micro irrigation systems	• Improved irrigation practices for better production of crops	16	05	21	02	02	04	25	
Use of Plastics in farming practices									
Production of small tools and implements									
Repair and maintenance of farm machinery and implements	• Advance agricultural machinery for sugarcane cultivation	21	04	24	01	00	01	25	
	• Selection, operation, safety and maintenance of improved tillage implements	12	04	16	09	00	09	25	
Small scale processing and value addition									
Post Harvest Technology	• Different types of grain storage structures and its importance	17	04	21	02	02	04	25	
RCT	• Resource Conservation technologies for sustainable production of Cereal crop	11	06	17	04	04	08	25	
VII Plant Protection									

Integrated Pest Management	• Insect-pests management in mustard crop	18	07	25	00	00	00	25
	• Insect-pests of brinjal and their management	21	04	25	00	00	00	25
	• Insect-pests and disease management in sugarcane	10	00	10	02	13	15	25
	• Insect Pests and diseases of paddy and their management	13	00	13	07	05	12	25
	• Different insect-pests of maize and their management	22	00	22	03	00	03	25
	• Management of insect pests and diseases in mustard crop	11	0	11	12	02	14	25
Integrated Disease Management	• Identification of potato diseases and their management	11	06	17	04	04	08	25
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								

Production technologies									
Nursery management									
Integrated Farming Systems									
XII Others (Pl. Specify)									
TOTAL									
(B) RURAL YOUTH									
Mushroom Production									
Bee-keeping									
Integrated farming									
Seed production									
Production of organic inputs									
Integrated Farming (Medicinal)									
Planting material production									
Vermi-culture									
Sericulture									
Protected cultivation of vegetable crops									
Commercial fruit production									
Repair and maintenance of farm machinery and implements									
Nursery Management of Horticulture crops									
Training and pruning of orchards									
Value addition									
Production of quality animal products									
Dairying									
Sheep and goat rearing									
Quail farming									
Piggery									
Rabbit farming									
Poultry production									
Ornamental fisheries									
Para vets									
Para extension workers									
Composite fish culture									
Freshwater prawn culture									
Shrimp farming									
Pearl culture									
Cold water fisheries									
Fish harvest and processing technology									
Fry and fingerling rearing									
Small scale processing									
Post Harvest Technology									
Tailoring and Stitching									
Rural Crafts									
TOTAL									
(C) Extension Personnel									
Productivity enhancement in field crops	• Cultivation Practices for Major Oilseeds and Pulses	11	10	21	04	00	04	25	
Integrated Pest Management	• Insect-pests and disease management in cereals	12	10	22	03	00	03	25	
Integrated Nutrient management									
Rejuvenation of old orchards									
Protected cultivation technology									

Formation and Management of SHGs									
Group Dynamics and farmers organization									
Information networking among farmers									
Capacity building for ICT application									
Care and maintenance of farm machinery and implements	• Solar powered irrigation systems	17	04	21	02	02	04	25	
WTO and IPR issues									
Management in farm animals									
Livestock feed and fodder production									
Household food security	• Different models of Nutri-gardens for Nutritional and Economic Security	20	05	25	00	00	00	25	
Women and Child care									
Low cost and nutrient efficient diet designing									
Production and use of organic inputs									
Gender mainstreaming through SHGs									
Any other (Pl. Specify)									
Farm mechanization	• Water Use Efficiency and Productivity Gains from Laser Land leveling	14	02	16	04	05	09	25	
Precision agriculture									
TOTAL									
G. Total									

C) Consolidated table (ON and OFF Campus)

Thematic Area	Name of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies	• Resource Conservation Technologies in Kharif crops	15	05	20	05	00	05	25
Cropping Systems								
Crop Diversification								
Site specific nutrient management								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	• Scientific Cultivation of Summer Moong	20	05	25	00	00	00	25
	• Improved Methods of Sugarcane Cultivation	21	04	25	00	00	00	25
	• Scientific cultivation of Mustard	10	10	20	02	03	05	25
	• Utilisation of Summer Fallow areas	15	00	15	03	02	05	25
	• Green Manuring- Application and Procedures	10	00	10	02	13	15	25
	• Scientific cultivation Practices of Paddy	14	00	14	06	05	11	25
	• Scientific cultivation Practices of Paddy	21	00	21	04	00	04	25
	• Scientific Cultivation of Potato	10	00	10	13	02	15	25
	• Scientific Cultivation of Wheat							
Fodder production								
Production of organic inputs								

Natural farming/organic farming	• Organic Farming	20	04	24	01	00	01	25
	• Natural Farming	21	04	25	00	00	00	25
Others	Balanced fertilisation and Integrated Nutrient Management in Cereals and Pulses	08	06	14	05	06	11	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								

Management of Problematic soils									
Micro nutrient deficiency in crops									
Nutrient Use Efficiency									
Soil and Water Testing									
IV Livestock Production and Management									
Dairy Management									
Poultry Management	Poultry farming for rural youth empowerment	16	04	20	03	02	05		25
Piggery Management									
Rabbit Management/goat									
Disease Management									
Feed management									
Production of quality animal products									
V Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening	• Nutritional Benefits of Nutri-garden	05	15	20	00	05	05		25
	• Layout Preparation of Nutrigarden	06	14	20	00	05	05		25
Design and development of low/minimum cost diet	• Health benefits of multigrain flour in daily food habit	07	13	20	00	05	05		25
Designing and development for high nutrient efficiency diet	• Nutrition enhancement through various pre cooking methods	02	18	20	00	05	05		25
Minimization of nutrient loss in processing									
Gender mainstreaming through SHGs									
Storage loss minimization techniques									
Value addition	• Millet based value added products	05	20	25	00	00	00		25
	• Value addition of seasonal fruits	04	21	25	00	00	00		25
	• Seasonal vegetables drying at low cost value	00	10	10	02	13	15		25
	• Value addition of Mushroom	20	04	24	01	00	01		25
	• Value addition of Oyster Mushroom	21	04	25	00	00	00		25
Income generation activities for empowerment of rural Women	• Manual extraction of banana fiber and handicraft	05	10	15	00	05	10		25
Location specific drudgery reduction technologies									
Rural Crafts									
Women and child care	• Immunization	04	21	24	01	00	01		25
	• Food Adulteration	05	16	21	00	04	04		25
VI Agril. Engineering									
Installation and maintenance of micro irrigation systems	• Installation, operation and maintenance of micro-irrigation systems	16	04	20	03	02	05		25
	• Improved irrigation practices for better production of crops	16	05	21	02	02	04		25
Use of Plastics in farming practices									
Production of small tools and implements									

Repair and maintenance of farm machinery and implements	<ul style="list-style-type: none"> • Repair, maintenance and storage of tractor • Operation, safety and maintenance of Land Laser Leveler • Selection, operation, safety and maintenance of Paddy seeding implements • Operation and maintenance of Raised bed planter • Operation and Maintenance of Plant protection machinery • Operation, safety and Maintenance of harvesting implements • Advance agricultural machinery for sugarcane cultivation • Selection, operation, safety and maintenance of improved tillage implements 	19	06	25	00	00	00	25
		20	05	25	00	00	00	25
		10	00	10	02	13	15	25
		14	00	14	06	05	11	25
		21	00	21	04	00	04	25
		10	00	10	13	02	15	25
		21	04	24	01	00	01	25
		12	04	16	09	00	09	25
Small scale processing and value addition								
Post Harvest Technology	• Different types of grain storage structures and its importance	17	04	21	02	02	04	25
RCT	• Resource Conservation technologies for sustainable production of Cereal crop	11	06	17	04	04	08	25
VII Plant Protection								
Integrated Pest Management	<ul style="list-style-type: none"> • IPM in mustard crop • Management of insect-pests and diseases of cucurbitaceous vegetables • Insect Pests management under natural farming • Integrated management of insect-pests in litchi • Insect-pests management in mustard crop • Insect-pests of brinjal and their management • Insect-pests and disease management in sugarcane • Insect Pests and diseases of paddy and their management • Different insect-pests of maize and their management • Management of insect pests and diseases in mustard crop 	10	00	10	02	13	15	25
		14	00	14	06	05	11	25
		21	00	21	04	00	04	25
		10	00	10	13	02	15	25
		18	07	25	00	00	00	25
		21	04	25	00	00	00	25
		10	00	10	02	13	15	25
		13	00	13	07	05	12	25
		22	00	22	03	00	03	25
		11	00	11	12	02	14	25
Integrated Disease Management	• Identification of potato diseases and their management	11	06	17	04	04	08	25
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming	Entrepreneurship development through fish farming	10	00	10	02	13	15	25
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								

Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production	<ul style="list-style-type: none"> • Enhancing year-round income through mushroom cultivation • Beekeeping for sustainable livelihood and income generation 	16	03	19	03	03	06	25
		14	06	20	05	00	05	25
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs	<ul style="list-style-type: none"> • Vermicompost and Organic Waste Management for Income Generation • Natural farming input production and marketing for rural livelihood 	20	05	25	00	00	00	25
		21	04	25	00	00	00	25
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements	<ul style="list-style-type: none"> • Farm Machinery Technician • Laser land leveler operator 	13	05	18	06	01	07	25
		08	07	15	05	05	10	25
Nursery Management of Horticulture crops								

Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Others	• Preparation of Herbal gual	14	06	20	05	00	05	25
	• Candle making	15	05	20	03	02	05	25
TOTAL								
(C) Extension Personnel								
Productivity enhancement in field crops	• Cultivation Practices for Major Oilseeds and Pulses	11	10	21	04	00	04	25
	• Importance and Scientific Cultivation Practices of different millets	11	11	22	02	01	03	25
Integrated Pest Management	• Insect-pests and disease management in different oilseed crops	12	10	22	03	00	03	25
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements	• Solar powered irrigation systems	17	04	21	02	02	04	25
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security	• Different models of Nutri-gardens for Nutritional and Economic Security	20	05	25	00	00	00	25
Women and Child care								
Low cost and nutrient efficient diet designing	• Nutritional importance of millets	02	03	05	05	15	20	25

Production and use of organic inputs										
Gender mainstreaming through SHGs										
Any other (Pl. Specify)										
Farm mechanization	• Water Use Efficiency and Productivity	14	02	16	04	05	09	25		
Precision agriculture	Gains from Laser Land levelin • Pesticide selection, handling application and disposal	15	02	17	05	03	08	25		
G. Total										

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	08	300	200	500	3	3	6	303	203	506
Kisan Mela	01	150	350	500	3	3	6	153	353	506
Kisan Ghosthi	08	400	100	500	3	3	6	403	103	506
Exhibition	05	750	250	1000	3	3	6	753	253	1006
Film Show	-									
Farmers Seminar	-									
Workshop	-									
Group meetings	-									
Lectures delivered as resource persons	15	500	100	600	2	2	4	502	102	604
Newspaper coverage	50	-	-	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-	-	-	-
TV talks	10	-	-	-	-	-	-	-	-	-
Popular articles	10	-	-	-	-	-	-	-	-	-
Extension Literature	10	-	-	-	-	-	-	-	-	-
Advisory Services										
Scientific visit to farmers field	500	4000	1000	5000	2	3	5	4002	1003	5005
Farmers visit to KVK	1000	950	50	1000	3	3	6	953	53	1006
Diagnostic visits	250	700	50	750	2	3	5	702	53	755
Exposure visits	05	200	50	250	3	3	6	203	53	256
Ex-trainees Sammelan	-									
Soil health Camp	02	75	25	100	2	3	5	77	28	105
Animal Health Camp	-									
Agri mobile clinic	-									
Soil test campaigns	-									
Farm Science Club	-									
Conveners meet										
Self Help Group	-									
Conveners meetings										
Mahila Mandals	-									
Conveners meetings										
Celebration of important days (specify)	12	250	50	300	3	3	6	253	53	306
Krishi Mohostva	-									
Krishi Rath	-									
Pre Kharif workshop	01	250	50	300	5	5	10	255	55	310
Pre Rabi workshop	01	250	50	300	5	5	10	255	55	310
PPVFRA workshop	-									
Any Other (Specify)		75	25	100	5	2	7	80	32	107
Farmers Scientist Meet	02									
Total	1890	8850	2350	11200	44	44	88	8894	2399	11288

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS/ MILLETS	Paddy	R. Neelam	180
	Finger millet	RAU 8	30
	Wheat	DBW 187	150
OILSEEDS	Mustard	Rajendra Suflam 1	15
PULSES	Pigeon Pea	Rajendra Arhar 1/ Bahar	5
	Chickpea	GNG-2299	10
	Green gram	Virat	10
VEGETABLES			
Others (Specify)	Sugarcane	Rajendra Ganna 1	200

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
VEGETABLES	Bitter gourd	Pali	3000
	Sponge gourd	S 16	3200
	Ridge gourd	Panchwati	3200
	Pumpkin	MPH 1	3000
	Cucumber	Kamini	3600
	Bottle gourd	Sheetal	4000
	Tomato	Nayak	1500
	Chilli	Alba	1500
	Brinjal	Navkiran	1500
	Cauliflower	Madhuri	1200
	Cabbage	Green Flesh	1000
	Broccoli	Fantasy	1000
	Capsicum	Intruder	950
	FRUITS	Papaya	Red lady
Mango		Maldah, Dushari	350

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1				
2				

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
	Cattle			
	GOAT			
	SHEEP			
	POULTRY			
	Pig farming			
	FISHERIES			

3.6 Literature to be Developed/Published

- (A) **KVK News Letter**
 Date of start : -
 Number of copies to be published :

(B) Literature to be developed/published

S. No.	Topic	Number
1	Research paper each scientist	01
2	Technical reports	05
3	News letters	-
4	Training manual all discipline	01
5	Popular article	10
6	Extension literature	10
Total		27

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.)	Title of the product	Number
1	Whatsapp group		02

3.7. Success stories/Case studies identified for development as a case. - 04

- a. Brief introduction/Background
- b. Interventions/process
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

- a) Interaction session with farmers
- b) Participatory Rural Appraisal (PRA)
- c) Farmer group discussions

Rural Youth

- a) Participatory Rural Appraisal (PRA)
- b) Youth Interest
- c) Govt. Schemes
- d) Market

In-service personnel

- a) As per technology gap of district
- b) Through Questionnaire
- c) Group discussions

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT:

- i) PRA
- ii) Problem identified from Matrix based ranking & analysis
- iii) Field level observations

- iv) Farmer group discussions

For FLD:

- i) New variety/technology
 ii) Poor yield at farmers level
 iii) Existing cropping system

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) - Tiwari Matihania, Khem Matihania, Bishunpura, Sipaya, Baraipatti (From 2020), Roopchap (From 2019)
- ii. No. of farm families selected per village: 20
- iii. No. of PRA conducted: 6
- iv. No. of technologies taken to the adopted villages: 15
- v. Name of the technologies found suitable by the farmers of the adopted villages: Laser Land Levelling, Zero tilled Wheat, Raised Bed Maize/ Pigeon Pea/ Potato, Nutrigarden, Herbel Gulal
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)- Will be evaluated
- vii. Constraints if any in the continued application of these improved technologies-
1. Movement restricted due to non-availability of Official vehicle
 2. Outreach of farmers to KVK is limited due to interior location and limited availability of public transport.

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. **Year of establishment** : **NA**

4. **List of equipment's purchase with amount**

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

4. **Targets of samples for analysis:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	100	100	5	-
Water				
Plant				
Total	100	100	5	-

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	District Agriculture Department	Meetings, trainings, joint implementation, Field Visit, contingent plan, technical support.	1.Update of the recent technologies in agricultural and allied sectors. 2.Effective dissemination of viable, sustainable and economical technologies under 'micro farming' situation of Gopalganj district. 3.The location specific technologies can be transferred to farmers through extension functionaries. 4.Collection of feed-back from different parts of the district.
2.	ATMA, Gopalganj	Meetings, Exposure visits, Trainings	1.Update of the recent technologies in agricultural and allied sectors. 2.Effective dissemination of viable, sustainable and economical technologies under 'micro farming' situation of

			Gopalganj district. 3. Horizontal expansion of recommended farm technologies to the end user.
3.	District Sugarcane Department	Trainings	1.Update of the recent technologies in sugarcane cultivation and allied sectors.
4.	NABARD Gopalganj	Trainings, exposure visits, FPOs	1.Collaboration to enhance agricultural practices and rural development. 2. Provide technological support to farmers clubs 3. Promoting climate resilient agriculture 4. Technical support to farmers producer organizations (FPOs)
5.	District Rural Livelihoods (Jeevika)	Meetings, Trainings	1.Update of the recent technologies in agricultural and allied sectors.
6.	District Animal Husbandry Department	Training, participation in meeting,,field days and programme implementation.	1.Update of the recent technologies in agricultural and allied sectors.
7.	District Fisheries Department	Training participation in meeting,field days, and programme implementation.	1.Update of the recent technologies in agricultural and allied sectors.
8.	District Horticulture Department	Training participation in meeting,field days, Kisan mela and programme implementation.	1.Update of the recent technologies in agricultural and allied sectors.
9.	District Seed Farm, Sipaya	Technical support and monitoring	Quality seed production of lien department
10.	Directorate of seed and Farm, TCA, Dholi	Seed production, seed sale, source of seed, seed reviews	Quality seed production
11.	IFFCO, Gopalganj	Trainings and programme implementation	1.Update of the recent technologies in agricultural and allied sectors. 2.Effective dissemination of viable, sustainable and economical technologies under 'micro farming' situation of Gopalganj district.
12.	BSSOCA, Patna	Trainings	Quality seed production
13.	Biscomaun	Fertilizer requirement for farm	Availability of quality fertilizer
14.	ICAR, Institute	Technical support,	Update of the recent technologies in agricultural and allied sectors.

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Outcome of linkage
1.	VKSA	Convergence with KVK for VKSA in villages	Collected problems and feed backs of farmers at micro farming situation. Farmers are made acquainted with different schemes of agricultural dept.
2.	Farmers Scientist Meet	Convergence with KVK	Progressive farmers become updated with the recent technologies in agricultural and allied sectors
3.	Exposure visit of farmers	Visit to KVK	Make acquainted with recent technologies through demonstration units
4.	Training of farmers	Convergence with KVK	Update of the recent technologies in agricultural and allied sectors

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	CCINM	75
2	Krishi Sakhi Trainings	10
	Total	85

6. Partnership with departments for technology out scaling (proposed):-

- Partnership for Laser Land Levelling
- Partnership for use of Happy Seeder
- Partnership for Mushroom Production
- Partnership for Natural Farming

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
02.06.26	PF/FW	• Resource Conservation Technologies in Kharif crops	01	15	05	20	05	00	05	25	June
11.03.26	PF/FW	• Scientific Cultivation of Summer Moong • Improved Methods of Sugarcane Cultivation • Scientific cultivation of Mustard	01	20	05	25	00	00	00	25	March September October
17.09.26			01	21	04	25	00	00	00	25	
08.10.26			01	10	10	20	02	03	05	25	
02.05.26	PF/FW	• Organic Farming • Natural Farming	01	20	04	24	01	00	01	25	May August
20.08.26			01	21	04	25	00	00	00	25	
	PF/FW										
Horticulture											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Livestock prod.											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Agril. Engg.											
19.09.26	PF/FW	Installation, operation and maintenance of micro-irrigation systems	01	16	04	20	03	02	05	25	September
19.01.26	PF/FW	• Repair, maintenance and storage of tractor • Operation, safety and maintenance of Land Laser Leveler • Selection, operation, safety and maintenance of Paddy seeding implements • Operation and maintenance of Raised bed planter • Operation and Maintenance of Plant protection machinery • Operation, safety and Maintenance of harvesting implements	01	19	06	25	00	00	00	25	January April
04.04.26			01	20	05	25	00	00	00	25	
27.06.26			01	10	00	10	02	13	15	25	June
17.07.26			01	14	00	14	06	05	11	25	July
12.11.26			01	21	00	21	04	00	04	25	November
10.12.26			01	10	0	10	13	02	15	25	December
	PF/FW										
Home Sc.											
26.02.26	PF/FW	• Nutritional Benefits of Nutri-garden	01	05	15	20	00	05	05	25	February

05.03.26	PF/FW	<ul style="list-style-type: none"> • Millet based value added products • Value addition of seasonal fruits • Seasonal vegetables drying at low cost value 	01	05	20	25	00	00	00	25	March June September
04.06.26			01	04	21	25	00	00	00	25	
28.09.26			01	0	10	10	02	13	15	25	
12.08.26	PF/FW	<ul style="list-style-type: none"> • Manual extraction of banana fiber and handicraft 	01	05	10	15	00	05	10	25	August
	PF/FW										

Plan prot.											
20.02.26	PF/FW	<ul style="list-style-type: none"> • IPM in mustard crop • Management of insect-pests and diseases of cucurbitaceous vegetables • Insect Pests management under natural farming • Integrated management of insect-pests in litchi 	01	10	00	10	02	13	15	25	February March April May
20.03.26			01	14	00	14	06	05	11	25	
24.04.26			01	21	00	21	04	00	04	25	
08.05.26			01	10	00	10	13	02	15	25	
30.12.26	PF/FW	<ul style="list-style-type: none"> • Identification of diseases of wheat and their management 		16	04	20	03	02	05	25	December
	PF/FW										
	PF/FW										
Fisheries											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
Soil Health											
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	Month of training
				M	F	T	M	F	T		
Crop Production											
12.03.26	PF/FW	<ul style="list-style-type: none"> • Utilisation of Summer Fallow areas • Green Manuring- Application and Procedures 	01	15	00	15	03	02	05	25	March May
21.05.26			01	10	00	10	02	13	15	25	
10.07.26		<ul style="list-style-type: none"> • Scientific cultivation Practices of Paddy • Scientific Cultivation of Potato • Scientific Cultivation of Wheat 	01	14	00	14	06	05	11	25	July November November
19.11.26			01	21	00	21	04	00	04	25	
23.11.26			01	10	0	10	13	02	15	25	
16.04.26	PF/FW	<ul style="list-style-type: none"> • Balanced fertilisation and Integrated Nutrient Management in Cereals and Pulses 	01	08	06	14	05	06	11	25	April
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										
	PF/FW										

	PF/FW												
Soil health													
	PF/FW												
	PF/FW												
	PF/FW												

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			SC/ST participants			G.Total	Month of training
				M	F	T	M	F	T		
Mushroom	Mushroom Production	<ul style="list-style-type: none"> Enhancing year-round income through mushroom cultivation Income generation through mushroom production technologies 	04	16	03	19	03	03	06	25	February
			04	14	06	20	05	00	05	25	October
Vermicompost/ NF Inputs	Production of Organic Inputs	<ul style="list-style-type: none"> Vermicompost and Organic Waste Management for Income Generation Natural farming input production and marketing for rural livelihood 	04	20	05	25	00	00	00	25	May
			04	21	04	25	00	00	00	25	November
-	Repair and maintenance of farm machinery and implements	<ul style="list-style-type: none"> Farm Machinery Technician Laser land leveler operator 	04	13	05	18	06	01	07	25	November
			04	08	07	15	05	05	10	25	May
Herbel Gulal Candle	Others	<ul style="list-style-type: none"> Preparation of Herbal gulal Candle making 	04	14	06	20	05	00	05	25	February
			04	15	05	20	03	02	05	25	September
Poultry	Poultry Management	<ul style="list-style-type: none"> Poultry farming for rural youth empowerment 	04	16	04	20	03	02	05	25	June
Fish	Integrated Fish Farming	<ul style="list-style-type: none"> Entrepreneurship development through fish farming 	04	10	00	10	02	13	15	25	November

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total		
				M	F	T	M	F	T			
On Campus												
05.05.26	EF	<ul style="list-style-type: none"> Importance and Scientific Cultivation Practices of different millets 	01		11	11	22	02	01	03	25	May
18.08.26	EF	<ul style="list-style-type: none"> Nutritional importance of millets 	01		02	03	05	05	15	20	25	August
11.08.26	EF	<ul style="list-style-type: none"> Pesticide selection, handling application and disposal 	01		15	02	17	05	03	08	25	August
16.10.26	EF	<ul style="list-style-type: none"> Cultivation Practices for Major Oilseeds and Pulses 	01		11	10	21	04	00	04	25	October
12.01.26	EF	<ul style="list-style-type: none"> Solar powered irrigation systems 	01		17	04	21	02	02	04	25	January
09.06.26	EF	<ul style="list-style-type: none"> Water Use Efficiency and Productivity Gains from Laser Land leveling 	01		14	02	16	04	05	09	25	June
14.12.26	EF	<ul style="list-style-type: none"> Different models of Nutri-gardens for Nutritional and Economic Security 	01		20	05	25	00	00	00	25	November
25.06.25	EF	<ul style="list-style-type: none"> Insect-pests and disease 	01		12	10	22	03	00	03	25	June

