



भाकृअनुप- महात्मा गाँधी समेकित कृषि अनुसंधान संस्थान
ICAR-MAHATMA GANDHI INTEGRATED FARMING RESEARCH INSTITUTE

Piprakothi, Motihari, Bihar-845429, India

COMPREHENSIVE REPORT: SCHEDULED CASTE SUB-PLAN 2019-24



COMPREHENSIVE REPORT: SCHEDULED CASTE SUB-PLAN 2019-24

भाकृअनुप-महात्मा गाँधी समेकित कृषि अनुसंधान संस्थान
ICAR-MAHATMA GANDHI INTEGRATED FARMING RESEARCH INSTITUTE
 Piprakothi, Motihari, Bihar, India



COMPREHENSIVE REPORT: SCHEDULED CASTE SUB-PLAN 2019-24

A step towards improving the livelihood of Scheduled Caste farmers through improved technology interventions in crops, livestock, poultry and fisheries



ICAR- Mahatma Gandhi Integrated Farming Research Institute
Piprakothi, Motihari (East Champaran) Bihar - 845 429



COMPREHENSIVE REPORT: SCHEDULED CASTE SUB-PLAN 2019-24

Published by: Director, ICAR- Mahatma Gandhi Integrated Farming Research Institute, Piprakothi-845429, Motihari, East Champaran, Bihar, India

Editor

Dr. Ravi Kumar

Co-editors

Dr. S.K. Purbey
Dr. A. Raizada
Dr. A.R. Sen
Dr. A.K. Singh
Dr. P.K. Bharti
Dr. S.K. Samal
Dr. Shreya Nivesh
Dr. Koushik Banerjee
Er. Vikas Paradkar

Associate editors

Dr. S.K. Singh
Dr. Neela Madhav Patnaik
Dr. Geeta
Dr. Jadhav Amol Kailash
Mr. Rakesh N.
Mrs. Haritha Mohan M.

Cover and back page design

Dr. Koushik Banerjee

All Rights Reserved

© ICAR-Mahatma Gandhi Integrated Farming Research Institute. 2025.

Citation: ICAR-MGIFRI COMPREHENSIVE REPORT: SCHEDULED CASTE SUB-PLAN 2019-24 (2025). ICAR- Mahatma Gandhi Integrated Farming Research Institute, Bihar, India, 70.

Comprehensive Report: Scheduled Caste Sub-Plan 2019-24 is an in-house publication. This is a comprehensive report of different activities, works and input distribution carried out by the MGIFRI for the five years (2019-2024) under SCSP scheme. This report includes unprocessed or semi-processed data, which would form the basis of scientific report in due course of time. The material contained in the report, therefore, may not be used without the permission of publisher, except for quoting it as reference. This report is not a priced publication. Recipients of complimentary copies are not permitted to sell photocopies of the report in part or full. **This document or part of this will not be served as legal proof.**

Acknowledgement: Activities carried under SCSP scheme was supported by the Indian Council of Agricultural Research, Department of Agricultural Research and Education, Government of India.

Forward

The socio-economic difficulties suffered by Scheduled Caste communities led to the decision to implement measures to bridge the gaps and bring them in mainstream. The need was explicitly recognized in the Constitution of India, which mandated special protection and provisions for the development of SCs/ STs. It was in 1979-80 in the sixth Five Year Plan period that the Government of India introduced the Special Component plan (SCP) which was renamed as Scheduled Caste Sub-Plan in April, 2006. The main objective of the SCSP scheme is to promote research, development and adaptation of technologies for improving the quality of life of SC communities in urban/ rural areas. Also, to introduce family oriented schemes of economic progress of SCs below the poverty line, by providing resources and other inputs so that the schemes can be more significant.



The ICAR-Mahatma Gandhi Integrated Farming Research Institute, Piprakothi (East Champaran) Bihar has been implementing this scheme in East Champaran district of Bihar. It is a matter of great pleasure that more than 20,000 number of SC farmers have got direct benefit under SCSP scheme during April 2019 to March 2024 through various capacity building programs, agricultural inputs distribution viz. quality seed materials, fertilizers, farm tools, implements, machineries, goats, chicks, fish fingerlings, plant saplings and infrastructures development. Further the efforts are continued for the livelihood improvements of SC farmers in the region.

I convey my sincere thanks to previous OSD (Dr. B.P. Bhatt, Dr. Anjani Kumar) and director (Dr. K.G. Mandal), nodal officer, SCSP committee for their committed efforts to achieve the target under SCSP. I also thanks all the persons for their involved supports and guidance.

Date: 18 August 2025

Place: Piprakothi, Motihari

(S.K. Purbey)
Director (A)
MGIFRI

Contents

	SECTION HEADING	PAGE NO.
1	Executive summary	01-04
2	Introduction	05-06
3	Chapter-01 HRD programmes organized	07-41
4	Chapter-02 Distribution of farm tools, implements & machineries	42-50
5	Chapter-03 Distribution of livestock's' & fish fingerlings	51-59
6	Chapter-04 Distribution of seeds, fertilizers, animal feed, plant sapling	60-64
7	Chapter-05 Infrastructures development	65-70

EXECUTIVE SUMMARY

- ❖ A total of 21,382 SC farmers (68.5 % male and 31.5% female) have got direct benefit under SCSP scheme during April 2019 to March 2024 through various capacity building programs, agricultural inputs distribution (seed, fertilizers, farm tools, implements, machineries, goats, improved germplasm of poultry birds, fish fingerlings, plant saplings etc.) and infrastructures development.
- ❖ Under SCSP scheme, a total of 38 number capacity building programs including trainings, awareness, goshti, kisan mela, interaction meets were organized during April, 2019 to Mar 2024. These programs focused primarily on IFS under waterlogged ecosystems, goatery, poultry, fishery, fruits/vegetables, mushroom cultivation, processing & value addition etc. A total of 9,867 SC farmers were benefitted including 6,473 male (65.6%) and 3394 female (34.4%) participants.
- ❖ A total of 4,788 number of farm tools, implements, machineries viz. knapsack sprayers (solar powered & battery operated), winnowing fans, paddy threshers, self-propelled weeders, motorized maize shellers, electric motors pump set, oil extraction machines, chaff cutters, rice-wheat seeders, grain/seed storage bins, buckets, tarpaulin, plastic crates, secateurs, farm tool kits (sickle, hoe, axe, pickaxe, spade) etc. were distributed. A total of 4,774 SC farmers have benefitted including 3,417 number of male (71.6%) and 1,357 number of female (28.4%).
- ❖ The goatery and backyard poultry farming are the major source of livelihood and income of the marginal, small, landless SC farmers in the East Champaran, Bihar. Therefore, a total of 646 number of goats (black bengal, barbari, sirohi) and 13,800 number of poultry chicks (vanraja, gampriya, sonali, kadaknath) were distributed among the selected SC farmers in East Champaran, Bihar.
- ❖ The quality seed material of paddy, wheat, maize, mustard, moong bean and vegetables' seed & mushroom spawn etc. was distributed. Other inputs like fertilizers (urea and DAP), fish fingerlings, plant saplings and animal feed were also distributed.
- ❖ Various infrastructures like rehabilitation shelters cum farm produce shelter, rain shelter, cattle & goat shelters, threshing floor; and bore-wells with hand pump set for the supply of drinking water etc. were developed for the benefit of SC communities at various SC dominated villages in East Champaran, Bihar. About 1,590 number of people have benefitted from these infrastructures developed under SCSP scheme.

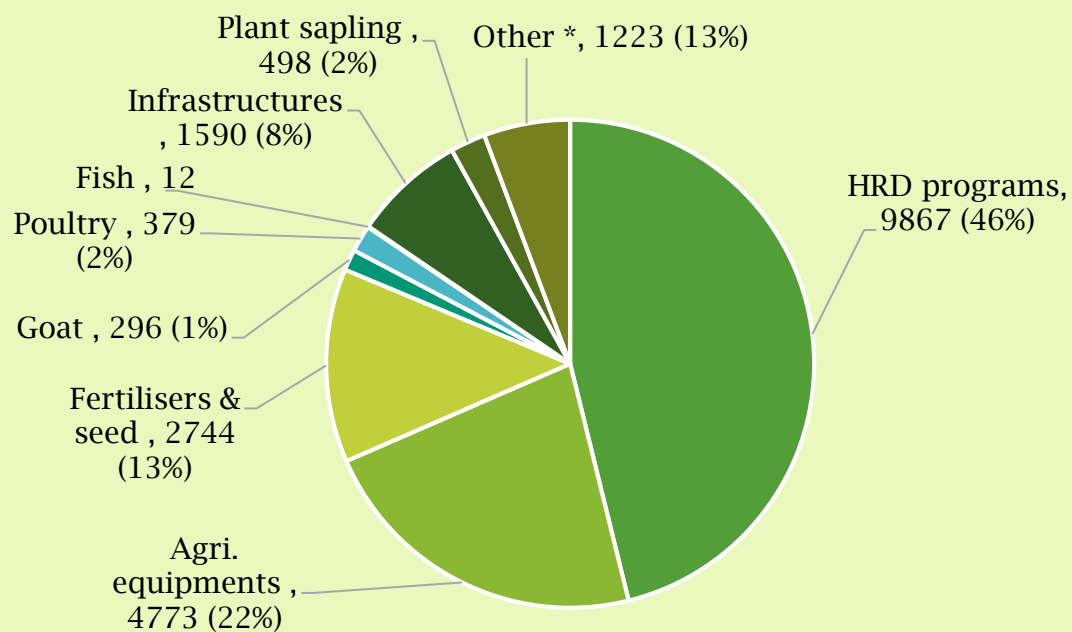


Fig. A. Total number and percentage of beneficiary under different activities carried out during 2019 to 2024

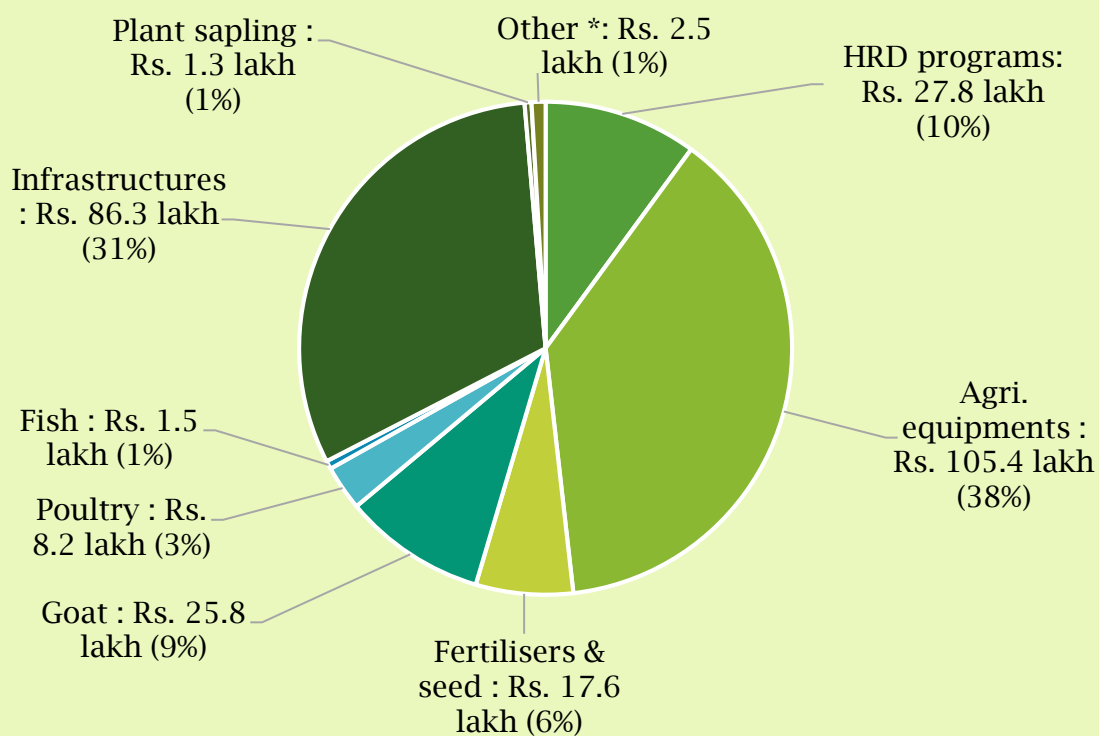


Fig. B. Expenditure (Rs. in lakh & percent) on different activities performed under SCSP scheme during 2019 to 2024

- ❖ A total of 21 blocks (out of total 27), and 594 number of villages (including tola, hamlets) were covered in East Champaran, Bihar under SCSP scheme during 2019 to 2024.

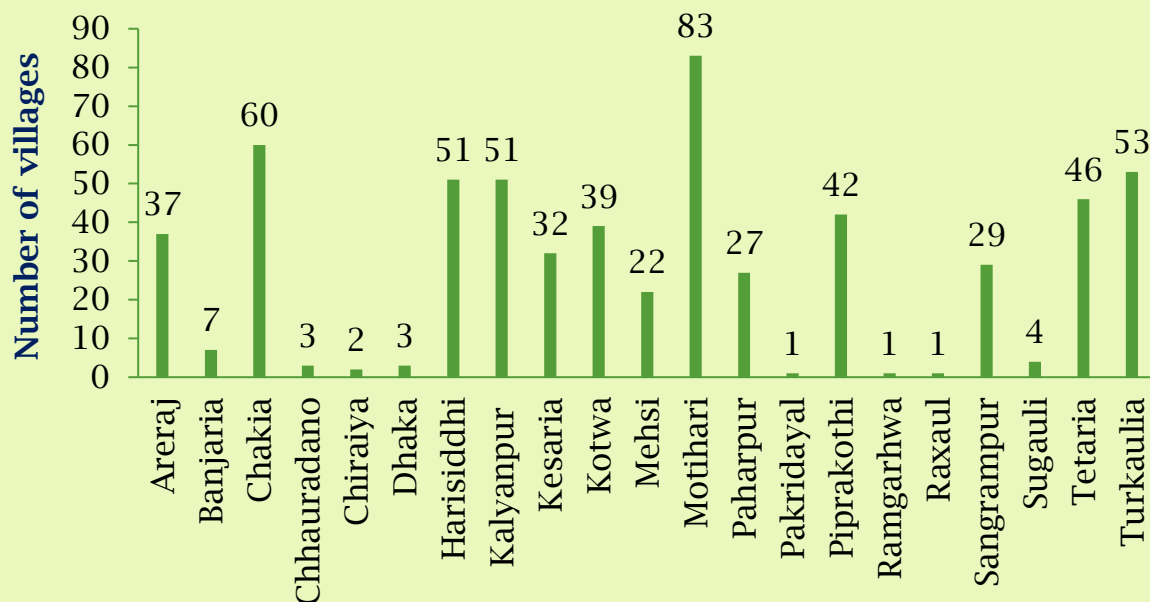


Fig. C. Number of villages covered through inputs distribution under SCSP scheme during 2019 to 2024

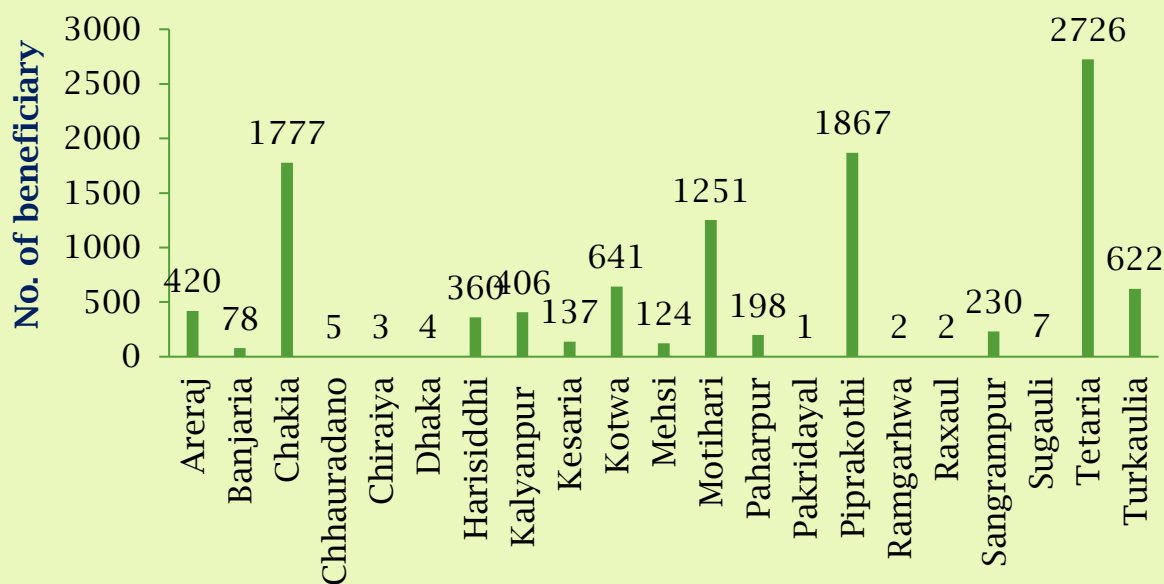
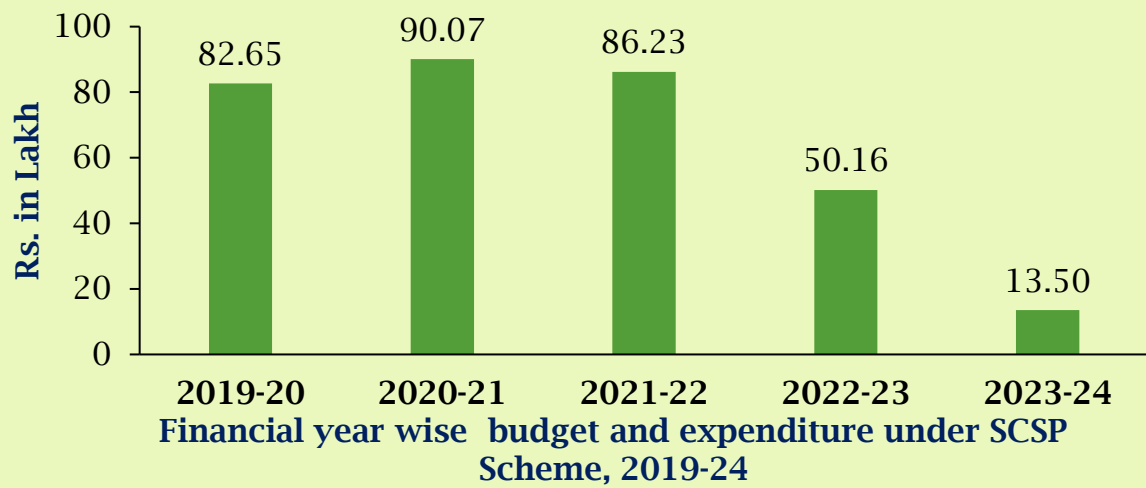


Fig. D. Block-wise number of beneficiary of inputs distribution in East Champaran under SCSP scheme during 2019 to 2024



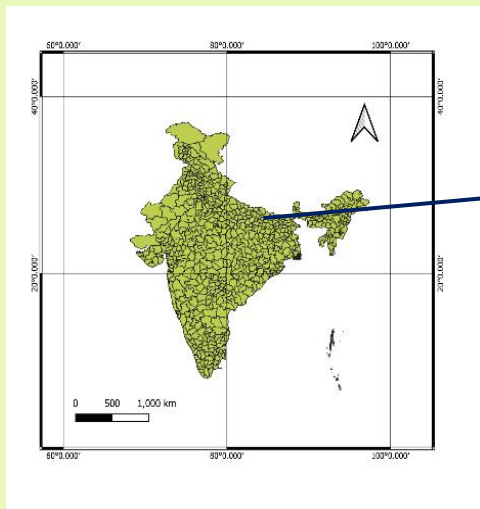
INTRODUCTION

The East Champaran is one of the thirty-eight districts of the state Bihar with headquarter at Motihari. It came into existence on 1st of December 1971 after the split of Champaran into two districts, viz. Purbi Champaran & Paschimi Champaran. The name of Champaran owes its origin to Champa-aranya or Champkatanys. Champa or Champaka means Magnolia tree and aranya means forest. Hence *Champaranya* means forest of Magnolia (CHAMPA) trees. East Champaran is located at 26°15' 16" to 27° 01' 13" NL and 84°29'13" to 85° 17' 55" EL. Total area of the District is 3,96,803 hectare with a total population 50.99 lakh with male 26.81 lakh and female 24.18 lakh (Census 2011).

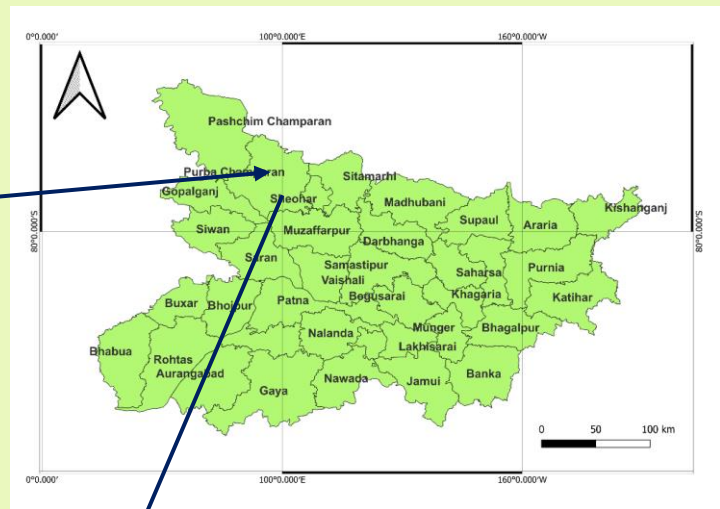
East Champaran is surrounded by Nepal in the north, Muzaffarpur in the south, Sitamarhi and Sheohar district in the east and Gopalganj and West Champaran in the west. It is situated in the plains of river Gandak, Burhi Gandak and Baghmata. Primary occupation of the people of the district is agriculture, and falls under the agro-climatic region i.e. middle Gangetic Plain (Zone - IV as per planning commission). The drainage system of the district is controlled by the river Gandak, Burhi Gandak & Baghmata & several river tributaries. The district receives a normal annual rainfall of 1241.6 mm. People of the district have witnessed several ups and downs perpetuated by Baghmata, Gandak, Burhi Gandak rivers in the form of flood, famine and drought. Flood and drought has remained the regular feature of the area. The northern part of Bihar is prone to flood and drought, and also to the extreme climatic variability during summer, rainy and winter seasons.

The total population of the state Bihar is 10.41 crore, and of which Scheduled Caste population is 15.91%. Further, the total population of East Champaran district of Bihar is 51 lakh comprising of 12.74% SC population. The East Champaran district having 27 number of blocks under six sub-divisions. The minimum and maximum percentage of SC households are as 5.86 % in Phenara block and 19.32 % in Pakridayal block, respectively. Out of 27 blocks under the jurisdiction of East Champaran district, 21 blocks having more than 10 % households of Scheduled Caste communities. The SCSP scheme is being

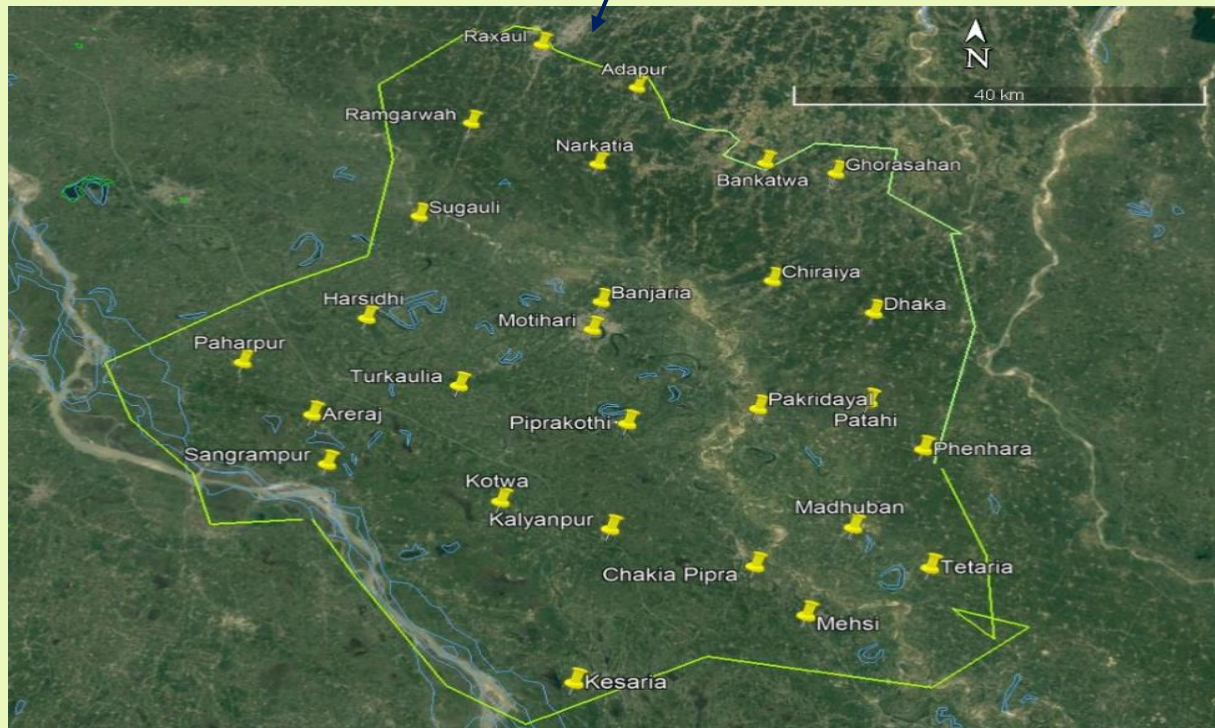
implemented at various villages in the East Champaran district, Bihar by ICAR- Mahatma Gandhi Integrated Farming Research Institute (MGIFRI), Piprakothi. The main aim of the scheme is human resource development on various aspects of integrated farming systems through trainings, awareness camps, farmers-scientists' interaction programs, kisan mela etc., and also to develop infrastructures, provide need based agricultural quality inputs for the benefit of SC farmers in the locality.



India



Bihar



Blocks covered under SCSP scheme in East Champaran District

CHAPTER-01: HRD PROGRAMMES ORGANIZED

For the sustainable development of agriculture and allied sector adequate knowledge and skill are essential at field level. To provide updated knowledge and recent agricultural and allied technologies to practicing farmers, ICAR-MGIFRI, Piprakothi organized a total of 38 number of trainings, awareness, exposure visits, interaction meet, kisan mela, animal health camp programs etc. for the scheduled castes (SC) farmers of East Champaran, of Bihar under SCSP scheme during April 2019 to March 2024. A sum of 9,867 number SC farmers benefitted including 6,473 male (65.6%) and 3,394 female (34.4 %) participants.

The programs mainly focused on the skill development of the farmers on various aspects/ components of the integrated farming systems (IFS) under flood-prone/ flood-affected/ waterlogged ecosystems viz. crop production, crop diversification, fruits & vegetables production, goat farming, poultry farming, fish farming, value addition to the various farm produces etc. The adoption of agri. enterprises like goatery, backyard poultry, off season vegetables' production and mushroom cultivation through scientific knowledge can play vital role in securing income, livelihood, food and nutritional security of the marginal/ landless SC farmers. Keeping in view, several trainings/ awareness programs were conducted for the benefit of resource poor SC farmers in the region.

After successful completion of the trainings, farmers were given various high quality agricultural inputs like seed (paddy, wheat, maize, mustard, moong), animal feed (poultry, goat), fertilizers, planting materials, vegetable seed, poultry birds (vanraja, grampriya, sonali, kadaknath), goats (black Bengal, barbari, sirohi) and fish fingerlings (catla, rohu, mrigal, grass carp and common carp). A sum of 646 number of goats, 13800 number of poultry chicks, 300 kg fish fingerlings and 30 kg mushroom spawn were provided to some of the selected farmers under SCSP scheme.

Table 1. Details of HRD programs organized under SCSP scheme during 2019 to 2024

S N	HRD programs	Venue	Date	Duration (days)	No .	Coordinator	Beneficiary (No.)			Exp. (Rs.)
							Total	Male	Female	
1	'Goat rearing, management and meat production'	Institute	7-9 Jan 2020; 13-15 Feb 2020	3	2	Dr. PK Bharti & Mr. Ravi Kumar	165	140	25	48750
2	'Livelihood improvement of farmers through value addition to farm produce'	Institute	17-19 Mar 2020	3	1	Dr. SK Purbey	25	20	5	43009
	Sub-total (2019-20)					3	190	160	30	91759
3	Goat rearing & management'	Institute	20-22 Sep 2020	3	1	Mr. Ravi Kumar; Dr. Shreya Nivesh & Dr. SK Samal	25	20	5	41087
4	'Poultry farming and management'	Institute	09-11 Nov 2020; 06-08 Jan 2021	3	2	Dr. PK Bharti & Mr. Ravi Kumar	130	103	27	108756
5	'Horti-based entrepreneurship development'	Institute	18-20 Feb 2021	3	1	Dr. SK Purbey	29	29	0	15446
6	'Integrated fish farming systems & management'	Institute	04-06 Mar 2021	3	1	Mr. Ravi Kumar; Dr. SK Purbey & Dr. Shreya Nivesh	19	16	3	24250
	Sub-total (2020-21)					5	203	168	35	189539
7	Awareness campaign on plantation	Institute	16 Jul 2021	1	1	Dr. SK Purbey; Dr. AK Singh & Dr. SK Samal	150	125	25	25000

8	कृषक-वैज्ञानिक संगोष्ठी एवं कृषि उपकरणों/ सामग्रियों का वितरण	Institute	16 Aug 2021	1	1	Dr. KG Mandal; Dr. AK Singh; Mr. Ravi Kumar; Dr. SK Samal & Dr. PK Bharti	700	500	200	368292
9	'Livelihood improvement of farmers through goat farming' under waterlogged ecosystems	Institute	28-30 Sep 2021	3	1	Dr. PK Bharti & Mr. Ravi Kumar	217	123	94	156656
10	Farmers- scientists interaction meet and exposure visit on National Farmers Day	Institute	23 Dec 2021	1	1	Mr. Ravi Kumar & Dr. AK Singh	205	120	85	43026
11	Awareness-cum-exposure visit and distribution of farm tools/ implements	Institute	25 Feb 2022	1	1	Mr. Ravi Kumar; Dr. PK Bharti & Dr. SK Samal	300	200	100	85000
				Sub-total (2021-22)			1572	1068	504	677974
12	Kisan goshthi-cum input distribution program	Institute	14 Apr 2022	1	1	Mr. Ravi Kumar & Dr. AK Singh	230	150	80	71064
13	Farmers awareness cum input distribution program on 10.09.2022	Institute	10 Sep 2022	1	1	Mr. Ravi Kumar & Dr. SK Samal	348	237	111	121840
14	Training on 'waste to wealth & crop production under IFS' for increasing farmers' income	Bela Dhekahan, Piprakothi	13-15 Sep 2022	3	1	Dr. AK Singh & Dr. SK Samal	56	50	6	45000
15	प्रशिक्षण कार्यक्रम 'वैज्ञानिक तरीके से मुर्गी पालन द्वारा किसानों की आजीविका में वृद्धि' का आयोजन	Institute	14-16 Sep 2022	3	1	Dr. PK Bharti & Mr. Ravi Kumar	45	28	17	31251
16	Training program on 'crop residue management for sustainable crop production and reduction in use of chemical fertilizer'	Jhakhra, Piprakothi.	09-11 Nov 2022	3	1	Dr. SK Samal & Er. Vikas P.	50	0	50	37650
17	Training program on 'irrigation water saving techniques for crop production during Rabi season'	Institute	21-23 Nov 2022	3	1	Dr. Shreya Nivesh & Dr. K. Banerjee	50	12	38	44330

18	Training program on 'soil sampling and fertilizer recommendation for field crops and horticultural crops under integrated farming'	Institute	05-07 Dec 2022	3	1	Dr. SK Samal & Dr. AK Singh	35	8	27	32591
19	Training program on 'climate resilient agriculture for increasing farmers' income'	Bela Dhekahan, Piprakothi	13-15 Dec 2022	3	1	Dr. K. Banerjee & Er. Vikas P	50	35	15	47365
20	Training program on 'climate smart soil and water management strategies for sustainable agriculture under waterlogged conditions'	Kararia Bairagi Tola, Kotwa	09-11 Jan 2023	3	1	Dr. Shreya Nivesh & Dr. K. Banerjee	61	23	38	49800
21	Training program on 'IFS- an approach towards climate smart crop production under waterlogged condition'	Bela Kararia, Kotwa	27 Feb to 01 Mar 2023	3	1	Dr. K. Banerjee & Er. Vikas P	60	40	20	49523
22	Kisan Mela: Pashu Arogya, Krishi Unnati evam Udyaniki Mahotsav	KVK, Piprakothi	15-17 Apr 2023	3	1	Dr. KG Mandal; Dr. SK Purbey & Mr. Ravi Kumar	1500	1000	500	250000
23	Animal Health Camp	Dhekahan	25 Mar 2023	1	1	Dr. PK Bharti & Mr. Ravi Kumar	102	50	52	54947
	Sub-total (2022-23)				12		2587	1633	954	835361
24	Workshop-cum-awareness programme on "farmers-scientists interaction-cum-SC farmers labharthi sammelan	Institute	19 Jun 2023	1	1	Dr. Shreya Nivesh; Dr. K. Banerjee & Er. Vikas P.	87	50	37	75761
25	'Integrated farming practices to improve income generation in flood prone and waterlogged ecosystem'	Institute	20-24 Jun 2023	5	1	Er. Vikas P. & Dr. K. Banerjee	55	24	31	53611
26	An awareness-cum-exposure visit program on integrated farming systems & management	Institute	6 Sep 2023	1	1	Mr. Ravi Kumar & Er. Vikas P.	30	10	20	0
27	Training program on 'livelihood improvement through mushroom cultivation'	Institute	12-14 Dec 2023	3	1	Dr. SK Purbey & Dr. NM Patnaik	41	12	29	46000

28	Training program on 'integrated farming practices for enhancing farmers' income in flood-prone and waterlogged ecosystem'	Kararia Bairagi Tola, Kotwa, E. Champaran	02-06 Jan 2024	5	1	Dr. Shreya Nivesh & Dr. PK Bharti	75	36	39	59792
29	प्रशिक्षण कार्यक्रम 'समेकित कृषि प्रणाली के अंतर्गत जलभराव पारिस्थितिकी तंत्र में वैज्ञानिक विधि से बकरी और मुर्गी पालन द्वारा किसानों की आजीविका में सुधार'	Salempur, Piprakothi	10-12 Jan 2024	3	1	Dr. PK Bharti & Dr. Geeta	100	38	62	54610
30	An awareness-cum-exposure visit program on integrated farming systems & management	Institute	6 Jan 2024	1	1	Mr. Ravi Kumar & Dr. Shreya Nivesh	75	36	39	0
31	Regional agriculture fair for eastern region 2024'	ICAR-NISA, KVK, Khunti, Jharkhand	03-05 Feb 2024	3	1	Dr. AK Singh & Dr. NM Patnaik	2000	1200	800	250000
32	Kisan Mela: Atmnirbhar Krishi Sah Baagwani Vistaar evam Pashu Kalyaan Mela"	KVK, Piprakothi	10-12 Feb 2024	3	1	Dr. KG Mandal; Dr. SK Purbey & Mr. Ravi Kumar	2000	1500	500	250000
33	Farmers' awareness cum input distribution program	KVK, Piprakothi	11 Feb 2024	1	1	Mr. Ravi Kumar & Er. Vikas P.	650	425	225	58385
34	Training conducted on 'climate smart agriculture through IFS technique in flood-prone and waterlogged area'	Machhargawan Nanhkar, Kotwa	26 Feb to 01 Mar 2024	5	1	Dr. K Banerjee & Dr. NM Patnaik	100	42	58	66513
35	Training program on 'production, processing, and value addition to mushrooms for livelihood security'	Ghograhan, Harisidhi	12-14 Mar 2024	3	1	Dr. SK Purbey; Mr. AK Jadhav & Mrs. Haritha Mohan M	57	38	19	58173
36	Field day: advance techniques of vegetable production	Ghograhan, Harisidhi	15 Mar 2024	1	1	Mrs. Haritha Mohan M & Mr. AK Jadhav	45	33	12	11828
Sub-total (2023-24)					13		5315	3444	1871	984673
GRAND TOTAL (2019-24)					38		9867	6473	3394	2779306

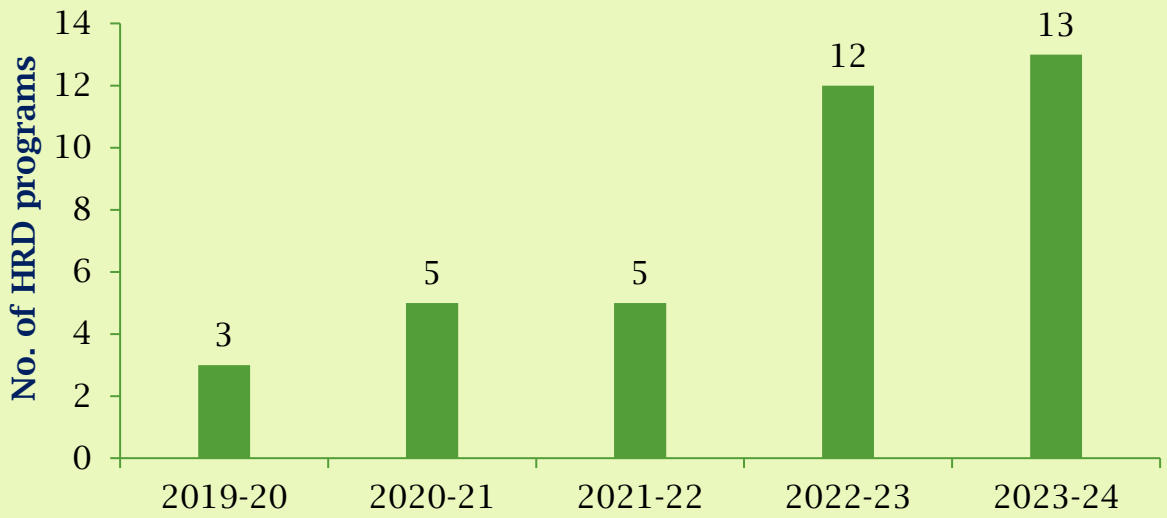


Fig. 1. Number of HRD programmes organized

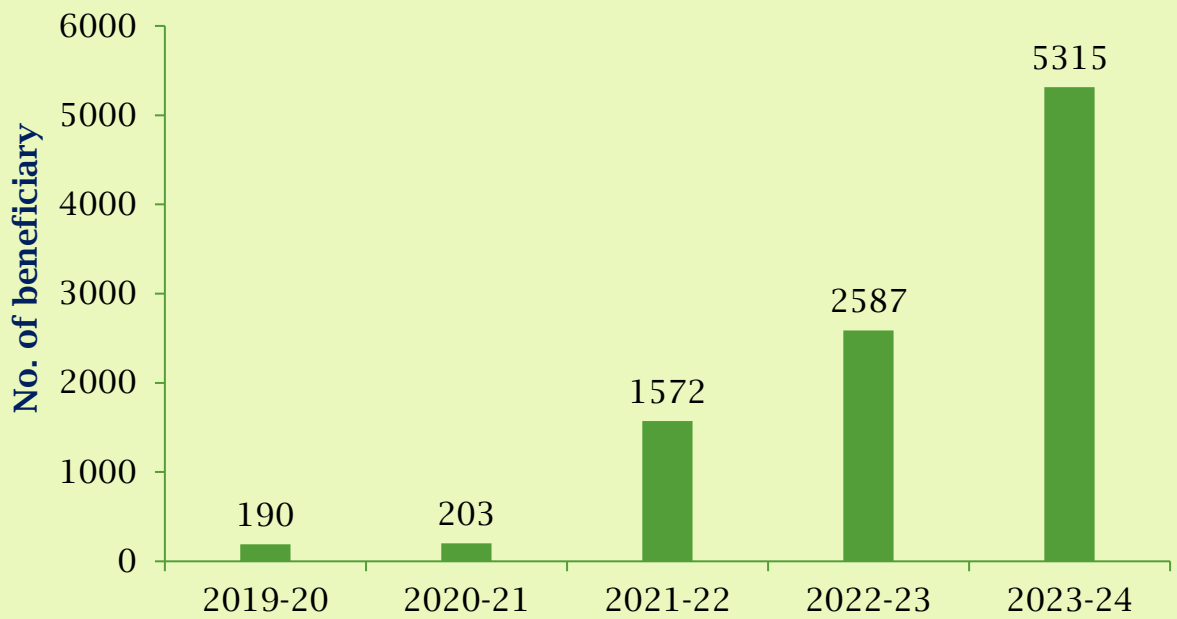


Fig. 2. Number of beneficiary of HRD programmes

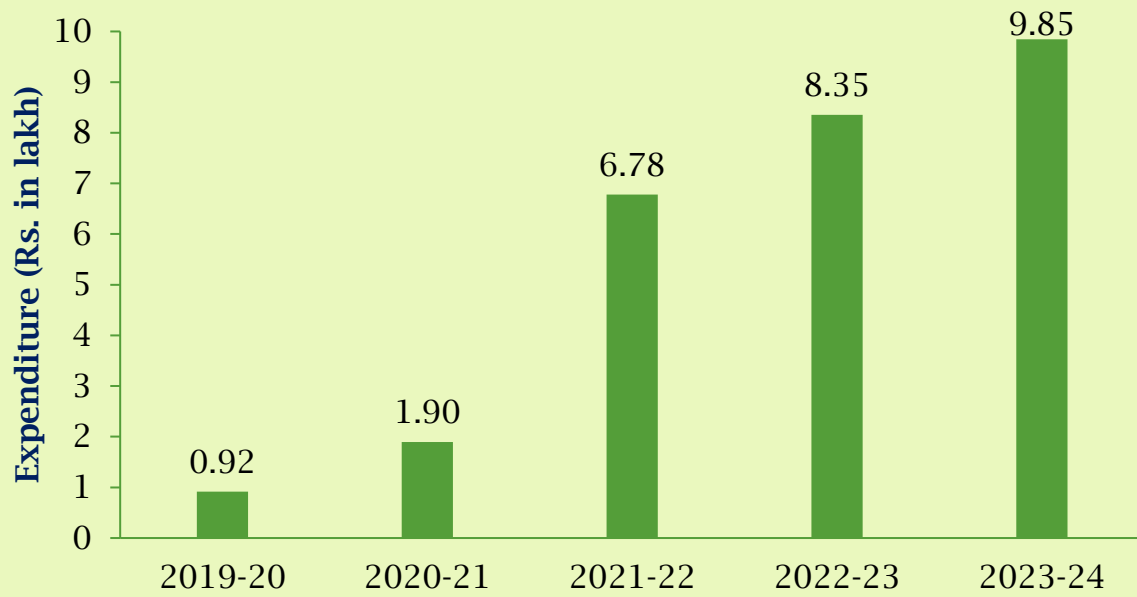


Fig. 3. Year-wise expenditure on HRD programs



View of the training program on goat farming during 07-09 January 2020

❖ A total of 25 SC farmers participated in this training program including 22 female and 3 male participants.



View of the training program on goat farming during 13-15 February 2020

❖ A total of 25 SC farmers participated in this training program including 17 male and 8 female participants.



View of the training program on goat farming during 20-22 September 2020

❖ A total of 139 SC farmers participated in this training program including 117 male and 22 female participants.



View of the training program on poultry farming during 06-08 January 2021

❖ A total of 130 SC farmers participated in this training program including 103 male and 27 female participants.



मछली पालन प्रशिक्षण कार्यशाला का समापन

पीपराकोठी. महात्मा गांधी समकैतिक कृषि अनुसंधान संस्थान में शनिवार को तीन दिवसीय मछली पालन व प्रबंधन विषय पर प्रशिक्षण कार्यशाला का समापन किया गया. यह प्रशिक्षण एससीएसपी परियोजना अंतर्गत समेकित मत्स्य पालन प्रबंधक द्वारा छोटे व सीमांत किसानों की आजीविका में सुधार के लिए जलवायु के अनुकूल कृषि मॉडल परियोजना के अंतर्गत शुरू हुआ था. प्रशिक्षण में जिले के 20 किसानों ने भाग लिया. मौके पर प्रशिक्षण प्रभारी डॉ. एसके पूर्वे, प्रधान वैज्ञानिक डॉ. एके सिंह, डॉ. पीके भारती, डॉ. श्रेया व रवि कुमार आदि मौजूद थे.

View of the training program on fish farming during 04-06 March 2021

Dainik Jagran, 05 March 2021

Har Med Par Ped: 1000 tree plantation/ distribution

An awareness campaign on plantation was organized at ICAR-MGIFRI, Piprakothi on 16th July 2021, as part of the 'Bharat Ka Amrit Mahotsav' to commemorate 75 years of India's Independence and the 93rd Foundation Day of ICAR. The aim of the program was to promote awareness of agro-forestry and planting fruit trees on farm bunds for increasing the farm income and to protect the environment. On this occasion, a total of 1000 saplings of sagaun, mahogani, guava, lemon and coconut were distributed to 150 SC farmers of different villages i.e. *Jhakhra, Khairimal Jamunia, Bela Colony, Chintamanpur, Piprakothi and Pipra Dih.*



Few photographs of the event

डेढ़ सौ किसानों के बीच आइसीएआर ने किया पौधा वितरण



मदरलैंड संवाददाता। पीपराकोटी देश की स्वतंत्रता के 75वीं वर्षगांठ पर अमृत महोत्सव एवं भारतीय कृषि अनुसंधान परिषद के 93वां स्थापना दिवस के उपलक्ष्य में शुक्रवार को भाकृअनुप-महात्मा गांधी समेकित कृषि अनुसंधान संस्थान द्वारा वृक्षारोपण अभियान 'हर मेड़ पर पेड़' कार्यक्रम मनाया गया। कार्यक्रम का मुख्य उद्देश्य किसानों की कृषि आय बढ़ाने और पर्यावरण की सुरक्षा हेतु खेत की मेड़ों और सीमाओं पर कृषि वानिकी और फलों के पेड़ लगाने के बारे में जागरूक करना किया गया। इस अवसर पर संस्थान के निदेशक डॉ. केजी मंडल द्वारा सागवान व अमरुद के पेड़ संस्थान परिसर में लगाकर कार्यक्रम का शुभारम्भ किया गया। निदेशक ने अपने संबोधन में कोरोना महामारी के दौर में पेड़ों की महत्ता पर प्रकाश डाला एवं सभी को कम से कम एक वाणिज्यिक व एक फलदार वृक्ष लगाने का आह्वान किया। इस कार्यक्रम में डॉ. मंडल ने किसानों को पौधे भी वितरित किये। खैरीमल, जमुनिया, चिंतामनपुर, चंद्रहिया, पीपराकोटी, कोटवा, आदि गांवों के करीब डेढ़ सौ किसानों ने इस कार्यक्रम में भाग लिया।

Hindustan, 17 July 2021

अमृत महोत्सव के तहत पौधा वितरण

पीपराकोटी। देश की स्वतंत्रता के 75वीं वर्षगांठ पर अमृत महोत्सव एवं भारतीय कृषि अनुसंधान परिषद के 93वां स्थापना दिवस के उपलक्ष्य में शुक्रवार को भा.अनुप-महात्मा गांधी समेकित .शि अनुसंधान संस्थान द्वारा वृक्षारोपण अभियान 'हर मेड़ पर पेड़' कार्यक्रम मनाया गया। कार्यक्रम का मुख्य उद्देश्य किसानों की .शि आय बढ़ाने और पर्यावरण की सुरक्षा हेतु खेत की मेड़ों और सीमाओं पर .शि वानिकी और फलों के पेड़ लगाने के बारे में जागरूक करना किया गया। इस अवसर पर संस्थान के निदेशक डॉ. केजी मंडल द्वारा सागवान व अमरुद के पेड़ संस्थान परिसर में लगाकर कार्यक्रम का शुभारम्भ किया गया। निदेशक ने अपने संबोधन में कोरोना महामारी के दौर में पेड़ों की महत्ता पर प्रकाश डाला एवं सभी को कम से कम एक वाणिज्यिक व एक फलदार वृक्ष लगाने का आह्वान किया। इस कार्यक्रम में डॉ. मंडल ने किसानों को पौधे भी वितरित किये। खैरीमल, जमुनिया, चिंतामनपुर, चंद्रहिया, पीपराकोटी, कोटवा, आदि गांवों के करीब 150 किसानों ने इस कार्यक्रम में भाग लिया।

Sahara Samay, 17 July 2021

आइसीएआर ने पौधे वितरित किये

पीपराकोटी. देश की स्वतंत्रता के 75 वीं वर्षगांठ पर अमृत महोत्सव एवं भारतीय कृषि अनुसंधान परिषद के 93वां स्थापना दिवस पर शुक्रवार को भाकृअनुप-महात्मा गांधी समेकित कृषि अनुसंधान संस्थान द्वारा वृक्षारोपण अभियान 'हर मेड़ पर पेड़' कार्यक्रम मनाया गया. कार्यक्रम का मुख्य उद्देश्य किसानों को कृषि आय बढ़ाने और पर्यावरण की सुरक्षा हेतु खेत की मेड़ों और सीमाओं पर कृषि वानिकी और फलों के पेड़ लगाने के बारे में जागरूक करना किया गया. संस्थान के निदेशक डा. के.जी. मंडल द्वारा सागवान व अमरुद के पौधे संस्थान परिसर में लगाकर शुभारम्भ किया गया. कार्यक्रम में डा. मंडल ने किसानों को पौधे दिये खैरीमल, जमुनिया, चिंतामनपुर, चंद्रहिया, पीपराकोटी, कोटवा आदि गांवों से 150 किसान शामिल हुए.

Prabhat Khabar, 17 July 2021

हर मेड़ पर पेड़ अभियान शुरू, किया जाएगा जागरूक

पीपराकोटी, संस : देश की स्वतंत्रता की 75वीं वर्षगांठ पर आयोजित होने वाले अमृत महोत्सव एवं भारतीय कृषि अनुसंधान परिषद के 93वें स्थापना दिवस के उपलक्ष्य में शुक्रवार को भारतीय कृषि अनुसंधान परिसर स्थित महात्मा गांधी समेकित कृषि अनुसंधान संस्थान, द्वारा हर मेड़ पर पेड़ कार्यक्रम का आयोजन किया गया।

कार्यक्रम का मुख्य उद्देश्य किसानों की कृषि आय बढ़ाने और पर्यावरण की सुरक्षा हेतु खेत की मेड़ों और सीमाओं पर कृषि वानिकी और फलों के पेड़ लगाने के बारे में जागरूक करना था। इस अवसर पर संस्थान के निदेशक डा. केजी मंडल द्वारा सागवान एवं अमरुद के पौधे संस्थान परिसर में लगाकर कार्यक्रम का शुभारंभ किया गया। डॉ. केजी मंडल ने अपने उद्घाटन भाषण में किसानों और प्रतिभागियों को आर्द्रभूमि



हर मेड़ पर पेड़ कार्यक्रम के तहत पौधारोपण करते वैज्ञानिक व अन्य • जागरण

पारिस्थितिकी तंत्र में पौधारोपण के महत्व के बारे में बताया। किसानों को अपनी आय बढ़ाने के लिए खेत की मेड़ और सीमा पर उपयुक्त कृषि-वानिकी और फलों के पौधे लगाने के लिए भी प्रोत्साहित किया। इसके अलावा उन्होंने किसानों को प्रशिक्षण, खेत भ्रमण, निगरानी और तकनीकी मार्गदर्शन के माध्यम से

सभी तकनीकी सहायता प्रदान करने के लिए आश्वस्त किया। निदेशक ने बदलते परिवेश, वैश्विकरण एवं कोरोना महामारी के दौर में पेड़ों की महत्ता पर प्रकाश डाला है। साथ ही सभी को कम से कम एक वानिकी एवं एक फलदार पौधा लगाने का आह्वान किया। इस कार्यक्रम के दौरान डा.मंडल ने किसानों को पौधे भी

आयोजन

- परिसर में लगे 50 पौधे, किसानों के बीच वितरित किए गए एक हजार वानिकी व फलदार पौधे
- स्वतंत्रता की 75वीं वर्षगांठ व आइसीएआर 93वें स्थापना दिवस पर चल रहा अभियान : निदेशक

दिए। खैरीमल, जमुनिया, चिंतामनपुर, चंद्रहिया, पीपराकोटी, कोटवा आदि गांवों से करीब 150 किसानों ने इस कार्यक्रम में भाग लिया। सभी को अमरुद, नींबू, सागवान, महोगनी एवम नारियल के पेड़ लगाने को दिया गया। इस कार्यक्रम के दौरान संस्थान परिसर में करीब 50 पौधे लगाये गये। वहीं एक हजार वानिकी एवं फलदार पौधों का वितरण किया गया। कार्यक्रम के अध्यक्ष प्रधान वैज्ञानिक डा. एसके. पूर्व ने भी फलदार पौधे लगाए।

Dainik Jagran, 17 July 2021

कृषक-वैज्ञानिक संगोष्ठी एवं कृषि उपकरणों/ सामग्रियों का वितरण

‘कृषक-वैज्ञानिक संगोष्ठी एवं कृषि उपकरणों/सामग्रियों का वितरण’ program was organized on 16th August, 2021 for Scheduled Caste Farmers under SCSP scheme. A total of 700 SC farmers of East Champaran, Bihar participated in the program. The Chief Guest of the occasion, Hon’ble MP Shri Radha Mohan Singh encouraged the farmers and asked them to adopt Integrated Farming Systems (IFS) consisting of different components like fish, poultry, goatry, dairy etc. along with the suitable crops as per the local conditions. The director, Dr. K.G. Mandal welcomed the dignitaries and addressed the gatherings. Greater emphasis was given to the IFS Models which can enhance the income as well as employment for the rural youth in flood affected areas. Various scientific lectures were delivered by the scientists of this institute on vegetable processing and value addition, waterlogged area management, livestock and poultry rearing, soil health management, and integrated fish farming systems etc. On the occasion agricultural equipment like motorized maize sheller (24 nos.), seed/ grain storage bin (80 nos.), winnowing fans (60 nos.), plastic crates (500 nos.), manual weeder (225 nos.), rice-wheat seeder (24 nos.) and secateurs (100 nos.) were distributed among the selected SC farmers as per their need. The distribution of these inputs was done in the presence of Director & Program Convener, Dr. K.G. Mandal, Organizing Secretary, Dr. A. Raizada; Nodal Officer SCSP, Mr. Ravi Kumar and other scientists of the institute.





Agri. Input distribution during the event



Exposure visit to MGIFRI research farm during the event

Training on 'livelihood improvement of farmers through goat farming in waterlogged areas'

- ❖ A total of 217 SC farmers participated in this training program including 123 male and 94 female participants during 28-30 September 2021 held on "livelihood improvement of farmers through goat farming in waterlogged areas".



तीन दिवसीय बकरी पालन प्रशिक्षण का हुआ समापन

पीपराकोठी, पूर्वी चंपारण। स्थानीय महात्मा गांधी समेकित कृषि अनुसंधान संस्थान के सभागार में बकरी पालन व्यवसाय द्वारा जलजमाव क्षेत्र के लोगों की आजीविका में उन्नति को लेकर तीन दिवसीय प्रशिक्षण कार्यक्रम का समापन किया गया। प्रशिक्षण कार्यक्रम में एससीएसपी परियोजना के अंतर्गत क्षेत्र के लगभग 217 अनुसूचित जाति के किसानों ने बकरी पालन व्यवसाय पर प्रशिक्षण प्राप्त किया। प्रशिक्षण कार्यक्रम के दौरान पाठ्यक्रम संयोजक एवं वैज्ञानिक डॉ. पीके भारती ने जलवायु परिवर्तन एवं परिस्थिति के अनुरूप पशुओं के चुनाव, बकरी पालन स्वरोजगार की संभावनाओं पर किसानों को जानकारी दिया। तथा संस्थान के फार्म का भ्रमण कराते हुए बकरी आधारित समेकित कृषि की उपयोगिता को व्यवहारिक तौर पर अवगत कराया। प्रशिक्षण के दौरान जलजमाव के प्रबंधन, बकरी के पोषण, आवास, रोग निदान एवं



उपचार, बकरी मांस का मूल्य संवर्धन, नई तकनीक से बकरी का प्रजनन, मौसम पूर्वानुमान ले बकरी के सेहत सुरक्षा, बकरी के मल मूत्र से जैविक खाद बनाने की जानकारी एवं अन्य महत्वपूर्ण बातें बताई। वही पशुपालन विभाग से डॉ. राजकुमार, केवीके से डॉ. शैलेंद्र कुमार रजक एवं पशुपालन उत्कृष्ट केंद्र से डॉ. नरेंद्र कुमार ने भी बकरी पालन के अन्य पहलुओं की जानकारी दी। कार्यक्रम का समापन सत्र में संस्थान के निदेशक डॉ. कृष्ण कुमार मंडल ने प्रतिभागियों से प्रशिक्षण से मिली जानकारी का जायजा लिया। मौके पर संस्थान के प्रशिक्षण प्रभारी एवं प्रधान वैज्ञानिक डॉ. सुशील कुमार पूर्व एवं डॉ. अनुराग रायजादा, वैज्ञानिक डॉ. रवि कुमार, कौशिक बनर्जी, श्रेया निवेश, विकास पराडकर, डॉ. समल आदि मौजूद थे।

समेकित कृषि अनुसंधान संस्थान के सभागार में प्रशिक्षण कार्यक्रम आयोजित

बकरी पालन से मिलेगा स्वरोजगार

पीपराकोठी | एक संवाददाता

- 217 अनुसूचित जाति के किसानों को दिया गया प्रशिक्षण
- नई तकनीक से बकरी प्रजनन व पोषण की भी जानकारी

प्रशिक्षण कार्यक्रम में एससीएसपी परियोजना के अंतर्गत क्षेत्र के 217 अनुसूचित जाति के किसानों ने बकरी पालन व्यवसाय पर प्रशिक्षण प्राप्त किया। प्रशिक्षण कार्यक्रम के दौरान पाठ्यक्रम संयोजक एवं वैज्ञानिक डॉ. पीके भारती ने जलवायु परिवर्तन एवं परिस्थिति के अनुरूप पशुओं के चुनाव, बकरी पालन स्वरोजगार की संभावनाओं पर किसानों को जानकारी दिया। तथा संस्थान के फार्म का भ्रमण कराते हुए बकरी आधारित समेकित कृषि की उपयोगिता को व्यवहारिक तौर पर अवगत कराया। प्रशिक्षण के दौरान जलजमाव के प्रबंधन, बकरी के पोषण, आवास, रोग निदान एवं



उपचार, बकरी मांस का मूल्य संवर्धन, नई तकनीक से बकरी का प्रजनन, मौसम पूर्वानुमान ले बकरी के सेहत सुरक्षा, बकरी के मल मूत्र से जैविक खाद बनाने की जानकारी एवं अन्य महत्वपूर्ण बातें बताई। वही पशुपालन विभाग से डॉ. राजकुमार, केवीके से डॉ. शैलेंद्र कुमार रजक एवं पशुपालन उत्कृष्ट केंद्र से डॉ. नरेंद्र कुमार ने भी बकरी पालन के अन्य पहलुओं की जानकारी दी। कार्यक्रम का समापन सत्र में संस्थान के निदेशक डॉ. कृष्ण कुमार मंडल ने प्रतिभागियों से प्रशिक्षण से मिली जानकारी का जायजा लिया। मौके पर संस्थान के प्रशिक्षण प्रभारी एवं प्रधान वैज्ञानिक डॉ. सुशील कुमार पूर्व एवं डॉ. अनुराग रायजादा, वैज्ञानिक डॉ. रवि कुमार, कौशिक बनर्जी, श्रेया निवेश, विकास पराडकर, डॉ. समल आदि मौजूद थे।

Farmers-scientists interaction & exposure visit during 'National Farmers Day' on 23.12.2021

ICAR- MGIFRI, Piprakothi, Motihari celebrated “National Farmers Day” on 23.12.2021 by organizing a ‘Farmers-Scientists Interaction and Exposure Visit’ program. Farmers were encouraged to adopt scientific management practices for Rabi crops, modern farm tools and implements, goat/ poultry farming, mushroom cultivation, vegetables cultivation and processing and fish farming. Farmers enquired about irrigation schedule in wheat crop, mushroom production and its marketing opportunities, disease management in goats etc., during the program. Director, Dr. K.G. Mandal explained the challenges of flood-affected, flood-prone areas in north Bihar, and emphasized on adopting integrated farming approach for making water-congested ecosystems productive, profitable and sustainable. Over 205 SC farmers including male and female, participated in the program. This program was coordinated by Dr. A.K. Singh, Principal Scientist (Agronomy) and Mr. Ravi Kumar, Scientist (Fisheries Resource Management).



Photographs of the event

राष्ट्रीय किसान दिवस पर किसान वैज्ञानिक वार्ता का आयोजन

पीपराकोठी (एसएनबी)। स्थानीय महात्मा गांधी समेकित कृषि अनुसंधान संस्थान में गुरुवार को राष्ट्रीय किसान दिवस के अवसर पर किसान वैज्ञानिक वार्तालाप एवं शोध प्रक्षेत्र भ्रमण का आयोजन किया गया। कार्यक्रम में स्वच्छता के प्रति जागरूकता के साथ रवि फसलों का प्रबंधन, बकरी पालन, मशरूम उत्पादन, समेकित कृषि प्रणाली एवं मतस्य आदि विषयों पर जानकारी दी गई। कार्यक्रम के बाद किसानों को शोध प्रक्षेत्र का भ्रमण कराया गया। जहाँ किसानों ने आधुनिक कृषि तकनीकों जैसे समेकित मतस्य पालन, बकरी पालन, मुर्गी पालन, मक्का आलु खेती, सब्जी उत्पादन के संबंध में जानकारी ली। संस्थान के निदेशक डॉ. कृष्ण गोपाल मंडल ने जलजमाव वाले क्षेत्रों में समेकित कृषि प्रणाली के बारे में विस्तृत जानकारी दी। वहीं प्रधान वैज्ञानिक



वार्ता करते वैज्ञानिक।

डॉ. एस्के पूर्वे ने मशरूम व सब्जी उत्पादन के संबंध में जानकारी दिया। मौके डॉ. एस्के पूर्वे, डॉ. एके सिंह, वैज्ञानिक डॉ. पीके भारती, रवि कुमार, विकास पट्टाकर, डॉ. कौशिक बनर्जी आदि मौजूद थे।

राष्ट्रीय किसान दिवस पर हुई किसान वैज्ञानिक वार्ता

पीपराकोठी, महात्मा गांधी समेकित कृषि अनुसंधान संस्थान में गुरुवार को राष्ट्रीय किसान दिवस के अवसर पर किसान वैज्ञानिक वार्तालाप एवं शोध प्रक्षेत्र भ्रमण का आयोजन किया गया। कार्यक्रम में स्वच्छता के प्रति जागरूकता के साथ रवि फसलों का प्रबंधन, बकरी पालन, मशरूम उत्पादन, समेकित कृषि

प्रणाली एवं मतस्य आदि विषयों पर जानकारी दी गई। किसानों को शोध प्रक्षेत्र का भ्रमण कराया गया। जहाँ किसानों ने आधुनिक कृषि तकनीकों जैसे समेकित मतस्य पालन, बकरी पालन, मुर्गी पालन, मक्का आलु खेती, सब्जी उत्पादन के संबंध में जानकारी ली। संस्थान के निदेशक डॉ. कृष्ण गोपाल मंडल ने

जलजमाव वाले क्षेत्रों में समेकित कृषि प्रणाली के बारे में विस्तृत जानकारी दी। वहीं प्रधान वैज्ञानिक डॉ. एस्के पूर्वे ने मशरूम व सब्जी उत्पादन के संबंध में जानकारी दिया। मौके डॉ. एस्के पूर्वे, डॉ. एके सिंह, वैज्ञानिक डॉ. पीके भारती, रवि कुमार, विकास पट्टाकर, डॉ. कौशिक बनर्जी आदि मौजूद थे।

Hindustan, 24 December 2021

Prabhat Khabar, 24 December 2021

Awareness-cum-exposure visit & inputs distribution program

ICAR- MGIFRI, Piprakothi organized an awareness-cum-exposure visit program on 25.02.2022 & distributed farm tools/ implements to the scheduled caste farmers under SCSP scheme. The chief guest of the program, Shri Radha Mohan Singh, Hon'ble MP, Motihari and former Cabinet Minister, Agri. & Farmers Welfare, Govt. of India, addressed the gatherings. Technical sessions on scientific goat, poultry, fish farming and management were organized on the occasion. Later, the farmers visited institute's research farm of MGIFRI to get detail insight of established IFS models. A total of 300 SC farmers participated in the program. Later in the afternoon, various farm tools, inputs were distributed.



A few photographs of the event

Kisan goshthi-cum-input distribution program on the occasion of birth anniversary of Dr. B.R. Ambedkar

A kisan goshthi program for scheduled caste farmers was organized on 14 April 2022. The farmers were made aware of integrated farming systems under waterlogged/ flood-affected areas. Technical sessions were conducted on backyard poultry farming, goat rearing, fish farming, mushroom cultivation and better management practices for summer season crops. The Chief Guest of the program Shri Radha Mohan Singh, hon'ble MP, Motihari and former cabinet minister of Agriculture and Farmers' Welfare, GoI addressed the gathering. In his address, he appreciated the efforts being made by the institute (MGIFRI) for the Schedules Caste farmers under SCSP scheme. Also, he emphasized that backyard poultry and goaterly can be sustainable livelihood options for the landless, marginal SC farmers of the region. The hon'ble cabinet minister of Bihar government Shri Pramod Kumar and hon'ble MLA Harisiddhi Shri Krishna Nandan Paswan were present on the occasion. Inputs like grain/ seed storage bins, 2 HP electric motor pump set for irrigation were distributed among 230 SC farmers in the program.



Training program on ‘waste to wealth and crop production under IFS’

A three-days training program on *“waste to wealth and crop production under integrated farming systems for increasing farmers’ income”* was organized by ICAR–MGIFRI under the Scheduled Caste Sub Plan (SCSP) Scheme during 13-15 September, 2022 at Dhekawa Bela village (block- Paprakothi and district- East Champaran). The program was inaugurated by Dr. K.G. Mandal (Director, ICAR-MGIFRI), and in his address, he emphasized on proper and efficient utilization of farm wastes for increasing farm productivity through waste recycling processes (composting & vermicomposting). In a joint technical session, Dr. A.K. Singh and Dr. S.K. Samal elaborated different techniques for efficient utilization of wastes including crop residue management and preparation of different types of compost for improved soil health and crop productivity. The major gap in the skill of farmers was identified as lack of knowledge of compost preparation, zero tillage sowing, suitable new varieties of major field crops and vegetables; weed management practices; integrated nutrient management; identification of damage caused by insect or pathogens; recent recommended herbicides, insecticides and fungicides.

Accordingly, technical sessions were organized for providing knowledge and developing skills to enable farmers to exploit various wastes, residues obtained from different components of integrated farming systems viz. crop production, vegetable cultivation, horticulture, mushroom production, animal husbandry, fisheries and others for converting, recycling them within the system to enhance productivity and profitability. A total of 56 SC farmers participated in the program.



Training program on “crop residue management for sustainable crop production and reduction in use of chemical fertilizer”

A three-days training program on “*crop residue management of sustainable crop production and reduction in use of chemical fertilizer*” was organized by ICAR-MGIFRI under SCSP scheme at village - Jhakhra (Piprakothi, East Champaran) during 09-11 November, 2022. A total of 50 SC farmers of the village participated in the training programme. The training emphasized on in-situ crop residue management technique, composting, vermicomposting, green manuring and balanced use of fertilizers. Farmers were advised about the ways to reduce the use of chemical fertilizers following crop residue management.



Training program on “irrigation water saving techniques for crop production during Rabi season”

A three-days training program on “*irrigation water saving techniques for crop production during Rabi season*” was organized at seminar hall of ICAR-MGIFRI, Piprakothi, Motihari during 21-23 November, 2022. This program was specially organized for schedule caste farmers under schedule caste sub-plane (SCSP) scheme. About 50 farmers including 38 female and 12 male from two blocks Chakia and Piprakothi attended the program. The training program was inaugurated by Dr. K.G. Mandal, Director ICAR-MGIFRI along with all the scientists of the institute and he discussed on judicious use of irrigation water to get maximum yield for Rabi crops.

Major limitation in the skill of farmers was identified as lack of knowledge of suitable irrigation techniques for particular crop, vegetable and fruits as per

the soil type. To address the limitation, interactive lectures on different irrigation techniques for improving agricultural productivity in Rabi season were delivered by Dr. Shreya Nivesh and other scientists of the institute. Expert of the Agrometeorology, ICAR-MGIFRI interacted with the farmers on different aspect of weather based irrigation strategies for crop production. Trainees shared their views on major problems arise while irrigating the crops in the field using flooding method in order to promote plant growth. Participant farmers showed keen interest in learning advanced techniques for irrigating the crops.



जल बचत तकनीक पर तीन दिवसीय प्रशिक्षण का समापन पीपराकोठी । स्थानीय महात्मा गाँधी समेकित वि अनुसंधान संस्थान में बुधवार को रबी मौसम में फसल उत्पादन हेतु जल बचत तकनीक पर अनुसूचित जाति उपयोजना के अंतर्गत तीन दिवसीय प्रशिक्षण कार्यक्रम का आयोजन समापन हुआ । इस प्रशिक्षण में जिले के लगभग 50 प्रशिक्षुओं ने जिसमें 38 महिलाएं व 12 पुरुष शामिल थे । प्रशिक्षण कार्यक्रम में संस्थान के निदेशक डॉ. के. जी. मंडल ने रबी मौसम में विभिन्न फसलों के उत्पादन में कम से कम जल का प्रयोग कर कैसे अधिक उपज ले सकते हैं विषय पर प्रकाश डाला ।

Training program on “soil sampling and fertilisers recommendation for field and horticultural crops under IFS”

A three-days training program on “soil sampling and fertilizer recommendation for field crops and horticultural crops under integrated farming” was organized under SCSP scheme during 05-07 December, 2022. A total of 35 farmers participated in the training program. Farmers were trained about the methods of soil sampling and calculation of fertilizers doses for different crops.



Training program on “climate resilient agriculture for increasing farmers’ income”

The training program for SC farmers was conducted on “*climate resilient agriculture for increasing farmer’s income*” at village Bela Dehakhn, Piprakothi, East Champaran during 13-15 December 2022. The training focused on different climate-resilient practices to be followed by the farmers in order to cope up with the changing climatic conditions. Experts from various backgrounds e.g., agricultural meteorology, agronomy, horticulture science, fishery, animal science, and soil science shared knowledge with the participants. A total of 50 SC farmers participated in this training program. Farmers showed keen interest in receiving modern scientific information and also urged to conduct similar training & farmers-scientist interaction program in the future.



Training program on ‘climate smart soil & water management strategies for sustainable agriculture under waterlogged conditions’

A three-days training program on “*climate smart soil and water management strategies for sustainable agriculture under waterlogged conditions*” was organized at village Karariya Bairagi Tola, Block Kotwa, East Champaran during 9-11 January, 2023. This training was organized for schedule caste farmers under schedule caste sub-plan (SCSP) scheme. A sum of 61 number of SC farmers including 38 female and 23 male participated in the program. Major limitation was lack of knowledge on suitable techniques/ practices for particular crop, vegetables and fruits as per the soil type, weather and environmental conditions. The Director ICAR-MGIFRI Dr. K.G. Mandal, explained about sustainable agricultural water management practices for the waterlogged & flood-affected areas. Interactive discussions were held on soil and water management for efficient and sustainable utilization of the resources under rain-fed and flooded conditions. Dr. Koushik Banerjee (Scientist, Agro-meteorology), interacted with the farmers on different aspects changing climatic scenario and suggested weather based irrigation strategies, crop sowing, harvesting for sustainable agriculture. Trainees shared their views on major problems arise due to change in weather conditions and effects of climate on livestock, crops, soil and water. Participant farmers showed keen interest in learning techniques for managing the crops, livestock and fisheries.



Training program on ‘IFS- an approach towards climate smart crop production under waterlogged conditions’

The training was conducted on “*IFS- an approach towards climate smart crop production under waterlogged conditions*” at village Bela Karariya, Piprakothi, East Champaran from 27th Feb to 1st March 2023. It is well known fact that Indian farming is highly dependent on rainfall, which continues to defy projections and has been increasingly erratic in recent years. Global warming is a major factor in this game as climate shocks affect food and water security. Adverse climate events have a major impact on all life, especially in developing nations. The need to address the issue of food security requires the promotion of an equitable and healthy food cycle, particularly for the most vulnerable countries.

Climate-smart agriculture is an approach that includes sustainably using existing natural resources through crop and livestock production systems to achieve long-term higher productivity and farm incomes under climate variability. Thus, the training focused on different strategies for IFS models, which can be used for climate smart agricultural practices. Experts from different fields, including agricultural meteorology, agronomy, horticulture science, fishery, animal science, and soil science, shared their knowledge with

the farmers. Different adaptation strategies and some valuable technologies related to crop-animal-fishery were shared among the farmers.

Around 60 farmers participated in this training program. Each day, a separate question-and-answer session was kept where farmers discussed their farming-related problems and got needed solutions. For the benefit of the farmers and to endorse vegetable cultivation, kits containing seeds of 13 varieties of vegetable i.e. cucumber, spinach, brinjal, frenchbean, bhindi, ridge gourd, guar, dolichos, bottle gourd, chili, coriander, cowpea, bitter gourd etc. were distributed among the farmers.



View of the training program

Farmers-scientists interaction & labharthi sammelan

The farmers-scientists interaction & labharthi sammelan was organized in the auditorium hall, ICAR-MGIFRI on 19.06.2023. The Chief Guest of the programme was H.E. Governor of Bihar, **Shri Rajendra Vishwanath Arlekar**, and Hon'ble M.P. Motihari, Shri Radha Mohan Singh, former Minister of Agri. & Farmers' Welfare Govt. of India was also present on the occasion. A large number farmers from different villages of the East Champaran region participated in the event. The Director of the institute, Dr. KG Mandal welcomed the guests and dignitaries. During the program interactive lectures on significance and scope of integrated farming systems (IFS) were held by scientists of the institute. The aim of the programme was to expand the awareness about IFS for livelihood and nutritional security of farmers especially in waterlogged and flood-prone areas.



Photographs of the event

Training program on “integrated farming practices to improve income in flood-prone/ waterlogged ecosystems”

Five days training program on "integrated farming practices to improve income in flood-prone/ waterlogged ecosystems" was conducted from 20-24 June 2023 at the institute. A total of 55 number of SC farmers including 24 male and 31 female participated in the program. The program focused to enhance farmers' income by equipping them with advanced knowledge and skills of integrated farming systems in flood affected, waterlogged areas of Bihar. The techniques of water harvesting, and water savings through integrated farming systems having crops, livestock, birds and fish components were discussed. The programme was successfully coordinated by Er. Vikas Paradkar, Scientist (Farm Machineries & Power Engineering) and Dr. Koushik Banerjee, scientist (Agro meteorology).



An awareness-cum-exposure visit program on integrated farming systems & management

An awareness-cum-exposure visit program was conducted on 'integrated farming systems and management' for Scheduled Caste farmers under SCSP scheme on 06.09.2023. A total of 30 number of SC farmers (20 female and 10 male) from Kundia-Bangari village, Chakia, East Champaran, Bihar participated in the program. The farmers were made aware of different components of integrated farming systems as per the need of the local ecosystems. Thereafter, farmers visited experimental field of MGIFRI where they saw different IFS models like fish-based, goat-based, horti-based, rice-fish IFS models and their components like fish, goat, poultry, crops, vegetable, fruit crops etc. The program was successfully coordinated by Er. Vikas Paradkar, Dr. Shreya Nivesh, Dr. Koushik Banerjee, Mr. Ravi Kumar and Dr. P.K. Bharti.



Farmers visited the experimental field of IACR-MGIFRI

Training program on “livelihood improvement through mushroom cultivation”

Three days’ training program on “livelihood improvement through mushroom cultivation” for SC farmers under SCSP scheme was conducted during 12-14 December, 2023 at the institute, with the active participation of 41 trainees, of which 29 (70%) were female and 12 (30%) were male. In this group of participants, about 63% of the trainees were youth i.e. below the age of 35 years. The main objective of the training program was to improve the livelihood of SC farmers by adopting mushroom cultivation which can be started with minimum investment. The training program covered the aspects related to importance of mushroom; types of mushroom, spawn and substrate preparation technique; disease and pest management, light, humidity and temperature control techniques for mushroom cultivation. Hands on training were provided to the participants on preparation of compost for button mushroom and bagging technique of oyster mushroom.

A progressive mushroom farmer was also part of this training program for demonstrating the nitty-gritty of how to start a mushroom enterprise and the field problems associated with mushroom cultivation and steps to overcome the problems. The farmers were also trained on prospect of integrating mushroom enterprise with their existing farming practices. Oyster mushroom spawn were distributed to some women beneficiaries so as to motivate them to undertake mushroom cultivation which will act as a tool towards women empowerment. The training programme was successfully coordinated by Dr. S.K. Purbey and Dr. Neela Madhav Patnaik.



Oyster mushroom (spawn & fully grown moshroom)



Compost preparation and bagging technique for mushroom cultivation

Training program on “integrated farming practices for flood-prone, waterlogged ecosystem”

A training program on ‘integrated farming practices for enhancing farmers’ income in flood-prone/ waterlogged ecosystem’ was organized at village-Kararia Bairagi Tola, block-Kotwa, East-Champan, Bihar during 02-06 January, 2024. A total of 75 farmers actively participated in the training programme. The program aimed to enhance livelihood by providing them knowledge and skills of integrated farming systems. Among the trainees, less than 5% farmers were landless, 50% were goaterly farmers and 16% were poultry farmers. Those farmers who owned land, 80-90% among them used to cultivate wheat-rice crops. Around 40% of farmers had cows and buffaloes, and very few of them used to grow vegetables and none of them were practising fish farming. During this training programme a total of 16 lectures and one exposure visit was organized. The training programme was successfully coordinated by Dr. Shreya Nivesh, Scientist (Land and Water Management Engineering) and Dr. P.K. Bharti, Senior Scientist (Livestock Production and Management).



प्रशिक्षण कार्यक्रम " समेकित कृषि प्रणाली के अंतर्गत जलभराव पारिस्थितिकी तंत्र में बकरी और मुर्गी पालन द्वारा किसानों की आजीविका में सुधार"

दिनांक 10-12 जनवरी 2024 को भारतीय कृषि अनुसन्धान परिषद् –महात्मा गाँधी समेकित कृषि अनुसन्धान संस्थान द्वारा अनुसूचित जाति उप योजना (एस.सी.एस.पी.) के तहत तीन दिवसीय प्रशिक्षण कार्यक्रम " समेकित कृषि प्रणाली के अंतर्गत जलभराव पारिस्थितिकी तंत्र में वैज्ञानिक विधि से बकरी और मुर्गी पालन द्वारा किसानों की आजीविका में सुधार" आयोजित किया गया। यह कार्यक्रम में पूर्वी चंपारण जिले के पिपराकोठी प्रखंड के अंतर्गत सलेमपुर ग्राम में संपन्न हुआ एवं इसमें लगभग 100 ग्रामीण किसानों एवं पशुपालकों ने भाग लिया। प्रतिभागियों में 62 महिला 38 पुरुष प्रशिक्षु सामिल हुए जिन्हें समेकित कृषि प्रणाली के विभिन्न आयामों तहत बकरी एवं मुर्गी पालन पर विशेष रूप से जानकारी दी गई। कार्यक्रम की शुरुआत संस्थान के निदेशक डा. के जी मंडल ने किया उन्होंने इस क्षेत्र में समेकित कृषि के विभिन्न पहलुओं पर चर्चा की एवं इसके महत्व को ग्रामीण किसानों के बीच साझा किया। प्रशिक्षण कार्यक्रम के समन्वयक एवं वरिष्ठ वैज्ञानिक डा. पी. के भारती ने वैज्ञानिक विधि से बकरी पालन के तहत बकरी का आवास, खाद्य, स्वास्थ्य एवं विपणन प्रबंधन की जानकारी दी। डॉ. गीता ने कुक्कुट पालन के बारे में बताया एवं छोटे किसानों के लिए इसको उपयोगिता पर विस्तृत ध्यान देने को कहा। मुर्गी पालन हमारे जल जमाव क्षेत्र के लिए रोजगार सृजन करने एवं आमदनी में बढ़ोत्तरी के लिए बहुत अच्छा साधन हो सकता है। इससे ग्रामीण स्तर पर महिलाये एवं गरीब किसान अपनी जीविका को उन्नत कर सकते है।



चित्र: निदेशक डा. के.जी. मंडल किसानों को संबोधित करते हुए साथ में डा. पी.के. भारती एवं डा. गीता

Awareness cum inputs distribution program

A Farmers' awareness cum input distribution program for Scheduled Caste farmers of East Champaran district, Bihar was organised on 11 February 2024 at Dr. RPCAU, KVK Piprakothi campus. A total of 650 SC farmers participated in the program. The chief guest of the occasion, Hon'ble MP Motihari, Shri Radha Mohan Singh addressed the gatherings. In his address, he emphasised that integrated farming systems can play a vital role in doubling the farmers' income particularly of small and marginal land holders. Dedicated efforts have been made to bring the marginalised schedules caste community into the mainstream across the country. He also emphasized on goatry, backyard poultry, fishery and cultivating climate resilient crops which can significantly contribute to livelihood and food security of SC farmers in the region. On the occasion selected farmers were given various agricultural inputs viz. tarpaulin, maize sheller, oil extraction machine, irrigation motor and weeder etc. The program was successfully coordinated by Mr. Ravi Kumar, Er. Vikas Paradkar, Dr. Shreya Nivesh, Er. Vikas Paradkar, Dr. Geeta and Mr. Amol Kailash Jadhav.



Training on climate smart agriculture through IFS in flood-prone and waterlogged area

The training program was conducted at village Machhargaon Nanhkar, Kotwa, East Champaran from 26 Feb to 01 March 2024. The training focused on integrated farming practices that can enhance income generation in flood-prone/ waterlogged ecosystems. Floods and waterlogging pose significant challenges to agricultural productivity and livelihoods in locality. By adopting integrated farming systems, farmers can mitigate the adverse effects of flooding and waterlogging while maximizing their income opportunities. Scientists from a variety of fields, including agricultural meteorology, agronomy, horticulture science, fishery, animal science, poultry science, extension, economics, and soil and water conservation shared their practical experience and knowledge with the farmers. Different adaptation strategies and some valuable technologies related to crop-animal-fishery were shared among the farmers. Viewing the importance of the training and taking the solution (related to crop disease, animal diseases, and better cultivation practices in IFS) from our expert scientist, around 100 SC farmers (48 male & 52 female) participated in the training event. Each day, a separate question-and-answer session was held where farmers shared their farming-related problems and got needed solutions from our experts across different disciplines. Many farmers were interested in receiving new information on this topic, and they urged to conduct this kind of farmer's scientist interaction in the future for the benefit of the farming community. To demonstrate the different IFS models developed at the institute farm, an experimental field visit was conducted in which all the farmers were invited and farmer-scientist interaction was done. Farmers got practical experience by observing fish/horticulture/poultry-based IFS model at the institute. For the benefit of the farmers and to endorse better animal feeding, 1000 kg of mineral mixtures were distributed among 100 SCSP farmers in the presence of the director of the institute. The training was successfully coordinated by Dr. Koushik Banerjee and Dr. Neela Madhav Patnaik.



Lecture delivered at the village Machhargaon Nanhkar



On farm demonstration of different IFS model at the institute, and distribution of cattle mineral mixture to the SC famers

Training on “production, processing, and value addition of mushrooms for livelihood security”

A three-days training program on "production, processing, and value addition to mushrooms for livelihood security" was conducted from 12 to 14 March 2024, at Ghogharaha Bairiya village of Harisidhi block, East Champaran. A total of 57 number of SC farmers, including 19 female and 38 male participated in the program. The training aimed to raise awareness about mushroom cultivation and its potential in doubling the farmers' income and to ensure food and nutritional security. Through hands-on training and demonstrations, participants were made aware of mushroom cultivation practices throughout the year. In the training program, practical demonstrations were done on sanitization and sterilization, compost preparation, seed inoculation and bagging etc. The director, Dr. KG Mandal highlighted the role of ICAR institutes in agricultural advancement. The training was successfully coordinated by Dr. S K Purbey, Mr. Jadhav Amol Kailas and Mrs. Haritha Mohan M.



Photographs of the event

Field day: advance techniques of vegetable production

A Field day on “advance techniques of vegetable production” was organized on 15th March 2024, at village Ghogharaha Bairiya, Harsidhi block, East Champaran for SC farmers under SC-SP scheme. A total of 45 farmers participated out of which 12 were female and 33 were male. Scientist, Mr. Jadhav Amol Kailas delivered lecture on various aspects of vegetable productions such as nursery preparation, raised bed cultivation, newly released varieties, protected cultivation, mechanization etc. Mrs. Haritha Mohan M., Scientist Plant Pathology interacted with the farmers and provided the information regarding various ways of controlling pest and diseases of vegetable crops including application of biocontrol agents, insect traps, mulching, protected cultivation etc. The coordinators also visited the vegetables field of some farmers, and distributed vegetable kits having improved varieties summer vegetables. During farmer’s field visit the on-site control measures for insect-pest control and advance techniques of vegetable production were also provided. The field day was successfully conducted by Mrs. Haritha Mohan M. (scientist, Plant Pathology) & Mr. Jadhav Amol Kailas (scientist, Fruit science).



Photographs of the event

CHAPTER-02: DISTRIBUTION OF FARM TOOLS, IMPLEMENTS & MACHINERIES

A total of 4788 number of farm tools, implements and machineries were distributed during April 2019 to March 2024 among Scheduled Caste farmers of East Champaran district, Bihar. And, a total of 4771 Scheduled Caste farmers have benefitted including male (3417 nos.; 71.6%) and female (1356 nos.; 28.4%). The total expenditure made was Rs. 1.054 crore on purchase and distribution of farm tools, implements, machineries etc. during the last five years i.e. 2019 to 2024. The details of the distribution of various tools/ implements/ machineries etc. and number of beneficiaries are mentioned in the table below.

Table 2. Details of agri. equipment's distribution under SCSP scheme during 2019 to 2024							
S N	Farm tools & implements	Unit	Qty.	Beneficiary No.			Cost (₹)
				Total	Male	Female	
1	Chaff cutter	No	14	65	55	10	126000
2	Tarpaulin (10mx7m)	No	55	94	70	24	929497
3	Pedal operated paddy thresher	No	30	150	120	30	180000
4	Winnowing fan	No	40	200	150	50	140000
Sub-total (2019-20)			139	509	395	114	1375497
1	Winnowing fan	No	60	60	42	18	248640
2	Battery operated/ manual knapsack sprayer machine	No	160	158	153	5	467680
3	Plastic crates	No	500	249	215	34	348750
4	Motorized maize sheller	No	24	24	22	2	239985
5	Seed/ grain storage bin (500 kg capacity)	No	80	80	74	6	227410
6	Manual wheel hoe (weeder)	No	225	209	196	13	223250
7	Rice-wheat seeder	No	24	21	21	0	216000
8	Pruning secateurs	No	100	80	34	46	37700
9	Galvanized iron sheet/ profile sheet (tin)	No	70	8	6	2	125300
10	Galvanized chain linked fencing material (5000 kg)	No	50	8	7	1	305000

Sub-total (2020-21)			1293	897	770	127	2439715
1	2 HP electric centrifugal pump	No	25	25	25	0	463250
2	Chaff cutter (manual)	No	7	7	7	0	99946
3	Steel bucket with steel mug	No	300	286	239	47	262800
4	Poultry hutch	No	25	12	12	0	247000
5	Grain/ seed storage bins (100 kg capacity)	No	400	394	263	133	1177750
Sub-total (2021-22)			757	724	546	180	2250746
1	Battery operated knapsack sprayer	No	150	149	117	32	499500
2	Tarpaulin (24 x 18 ft)	No	120	117	79	38	200000
3	Farm tool kit (sickle/ hoe/ axe/ gaiti/ spade)	No	150	150	117	33	266400
4	Irrigation pipes	No	68	60	55	5	138880
5	Steel buckets (1450 no.) with steel mugs (1200 no.)	No	1450	1432	850	582	1036830
6	Seed/ grain storage bins (100 kg cap.)	No	150	144	46	98	418350
7	Galvanized iron sheets/ profile sheet/ tin	No	200	27	25	2	240000
Sub-total (2022-23)			2288	2079	1289	790	2799960
1	Self-propelled weeder machine	No	10	46	44	2	178322
2	Electric motor 0.5 HP for irrigation	No	26	78	56	22	235820
3	Motorised maize sheller machine	No	25	100	79	21	329975
4	Oil extraction machine	No	25	121	91	30	460815
5	Goat manger	No	25	17	12	5	246325
6	Tarpaulin (HDPE 7.6 m x 5.0 m)	No	200	200	135	65	225900
Sub-total (2023-24)			311	562	417	145	1677157
Grand Total (2019-24)			4788	4771	3417	1356	10543075

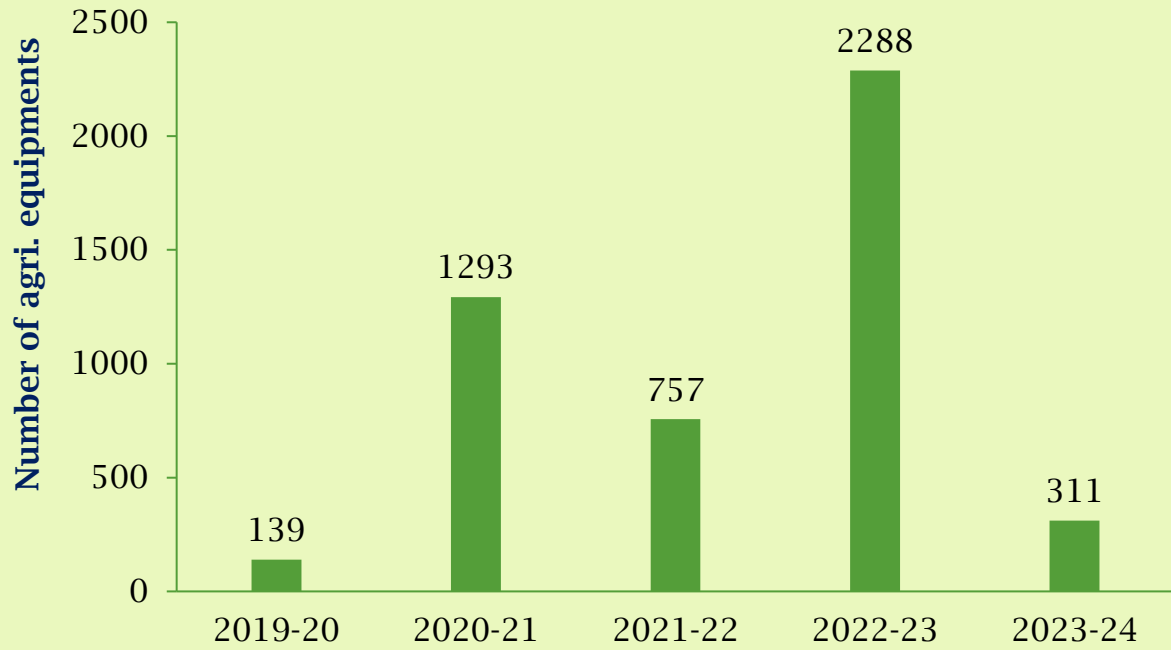


Fig. 4. Number of agri. equipments distributed

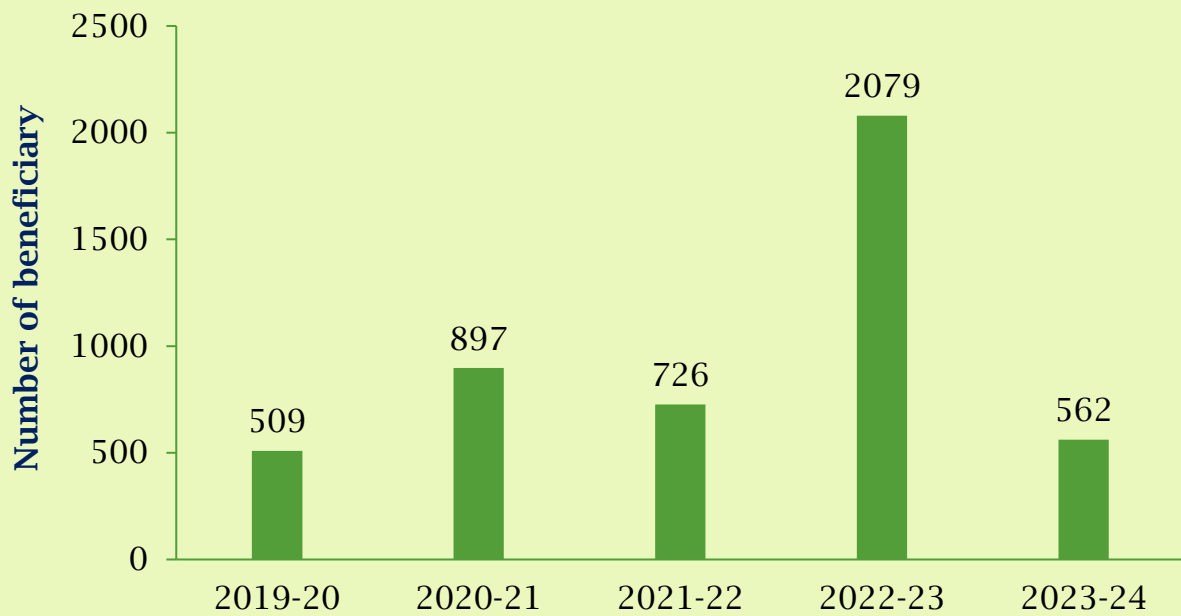


Fig. 5. Number of beneficiary of agri. equipments distribution

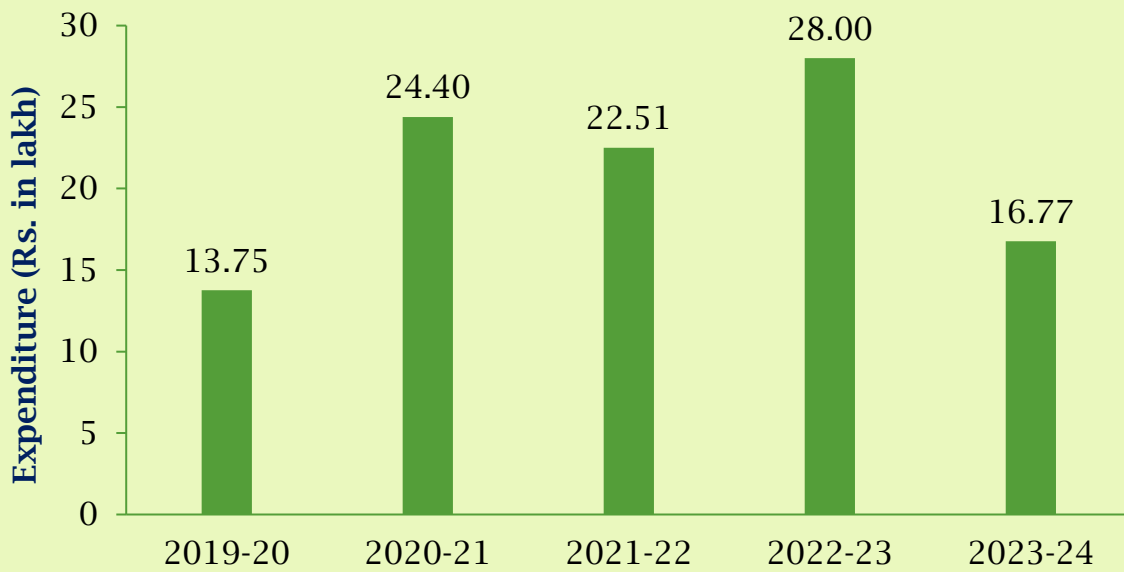


Fig. 6. Expenditure made on agri. equipments distribution



Distribution of chaff cutter machine



Distribution of winnowing fan & paddy thresher



Distribution of winnowing fan & paddy thresher



Distribution of tarpaulin



Distribution of knapsack sprayers



Distribution of plastic crates



Distribution of rice-wheat seeders

Distribution of grain storage bins
(capacity 500 kg)



Distribution of grain/ seed storage bins (capacity 100 kg)



Distribution of manual wheel hoe weeders



Distribution of grain storage bins/ maize sheller/ weeder etc.



Distribution of 2HP electric operated motor pump for irrigation



Distribution of battery operated knapsack sprayer



Distribution of small farm tool kits



Distribution of tarpaulin



Distribution of irrigation pipe bundle



Distribution of grain/ seed storage bins



Distribution of steel bucket with steel mug





Distribution of galvanized iron profile sheet/ tin for making sheds



Distribution of maize sheller, self-propelled weeder, motor and oil extraction machine



Distribution of goat feed manger



Distribution of tarpaulin

CHAPTER-03: DISTRIBUTION OF LIVESTOCKS' & FISH FINGERLINGS

The goatery and backyard poultry farming are the major source of income and livelihood of the landless/ marginal SC communities in East Champaran, Bihar. Therefore, as per need of the scheduled caste farmer in the locality, the goat (Black Bengal, Sirohi, Barbari) 646 number, and poultry birds (Vanraja, Grampriya, Kadaknath, Sonali etc.) 13,800 number were distributed under SCSP scheme in various villages of East Champaran district, Bihar.

The goats were given to 296 SC farmers beneficiary including 201 male (67.9%) and 95 female (32.1%). Similarly, poultry chicks were distributed to 379 SC farmers including 248 male (65.4%) and 131 female (34.6%) beneficiaries.

About 27,000 nos. (300 kg) of fish fingerlings of catla, rohu, mrigal, grass carp and common carp were distributed among selected SC fish farmers in order to demonstrate and develop fish-based IFS models at different villages of East Champaran, Bihar.

SN	Goats	Unit	Qty.	Beneficiary No.			Exp. (₹)
				Total	Male	Female	
1	Goat (Black Bengal)	No	330	150	112	38	1419400
2	Goat (Black Bengal/ Sirohi/ Barbari)	No	164	76	46	30	498000
3	Goat (Black Bengal/ Barbari)	No	40	14	6	8	215510
4	Goat (Black Bengal)	No	112	56	37	19	450000
Total			646	296	201	95	2582910

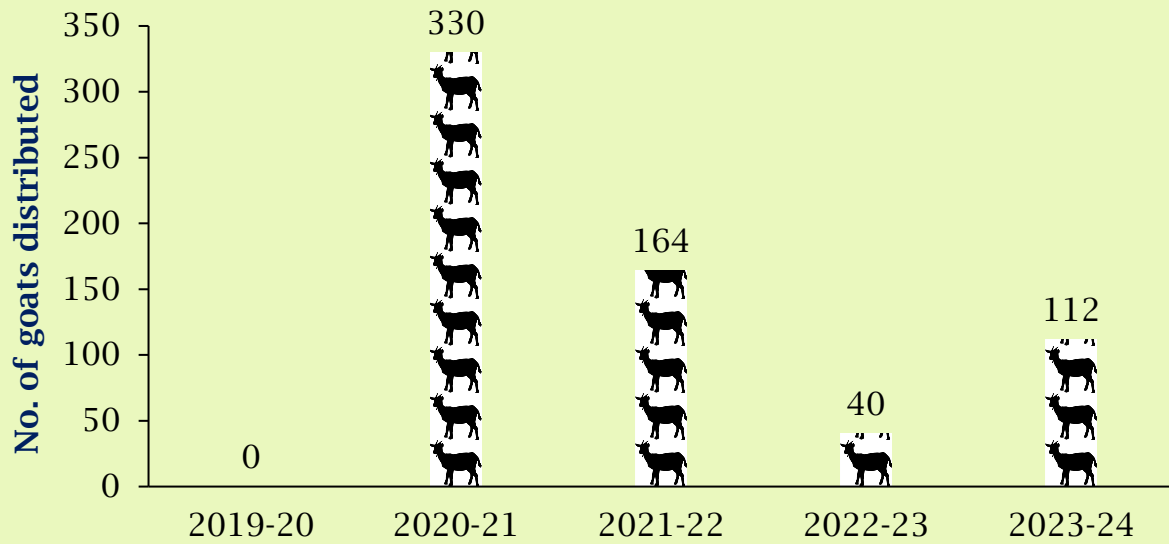


Fig. 7. Goat distribution under SCSP during 2019 to 2024

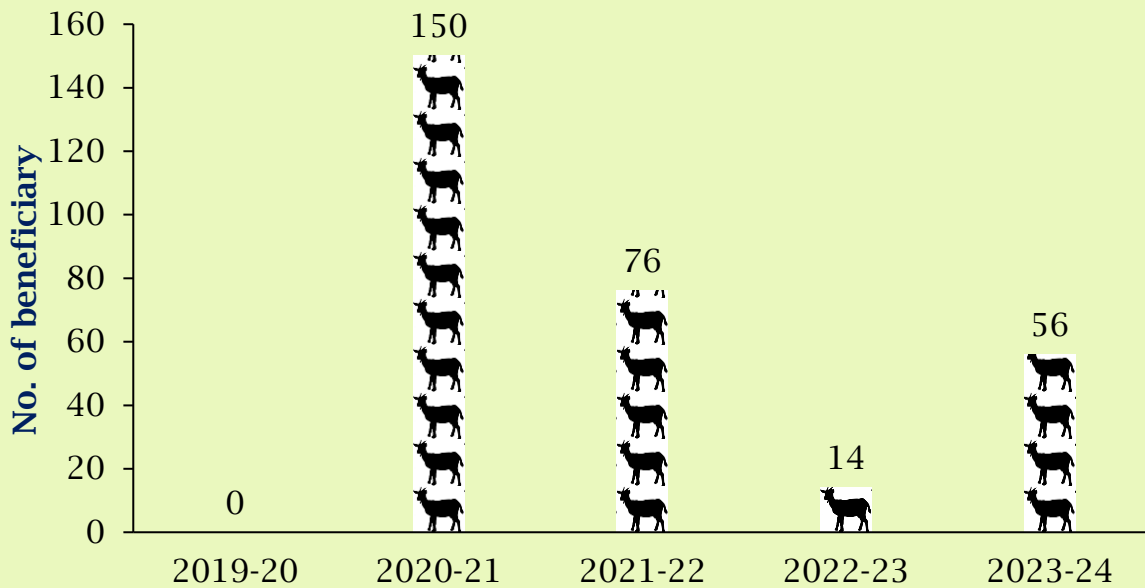


Fig. 8. Number of beneficiary of goats distribution

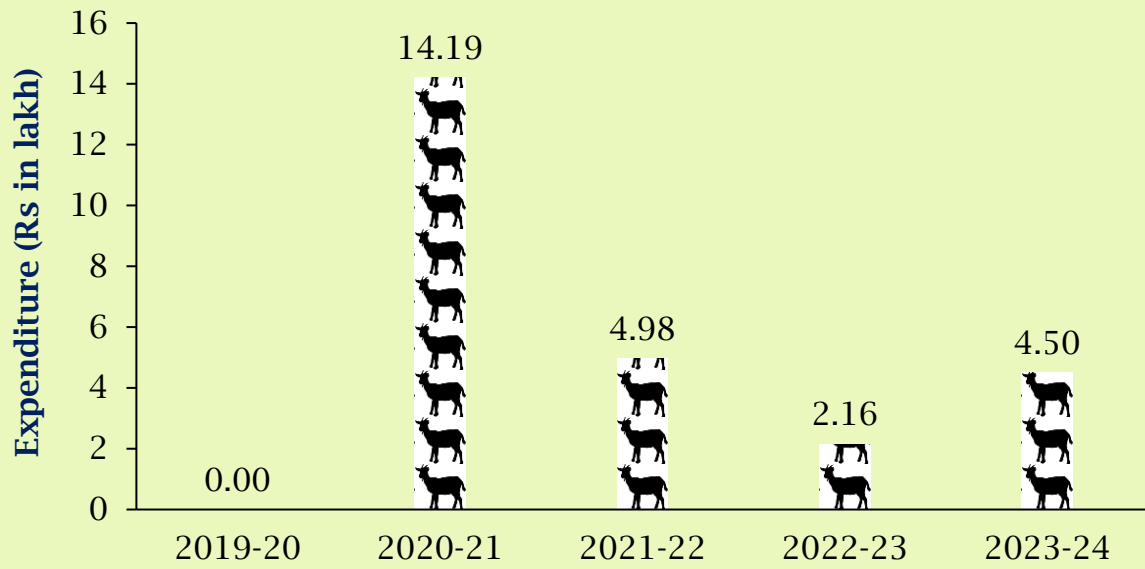


Fig. 9. Expenditure (Rs. in lakh) on goats distribution





Goat distribution & vaccination programs

SN	Poultry chicks	Unit	Qty.	Beneficiary No.			Cost (₹)
				Total	Male	Female	
1	Poultry chicks (Vanraja & Grampriya)	No	3200	106	88	18	148650
2	Poultry chicks (Vanraja/ Sonali/ Kadaknath)	No	6600	173	109	64	396000
3	Poultry birds (Vanraja/ Sonali/ Kadaknath)	No	4000	100	51	49	272000
Total			13800	379	248	131	816650

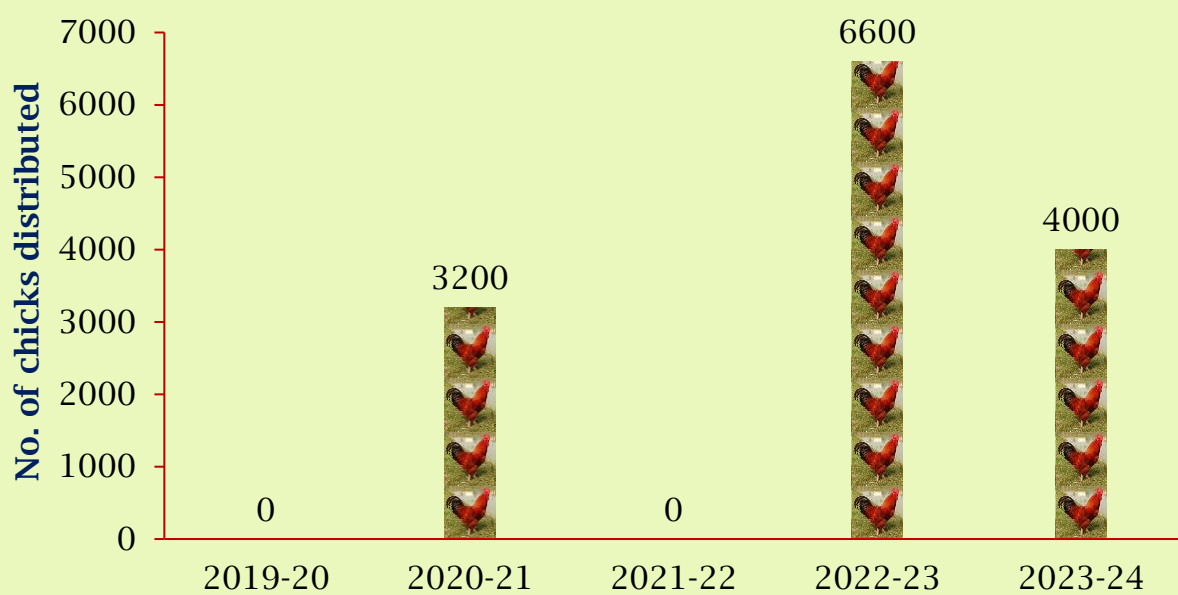


Fig. 10. Number of poultry (chicks) distributed during 2019 to 2024

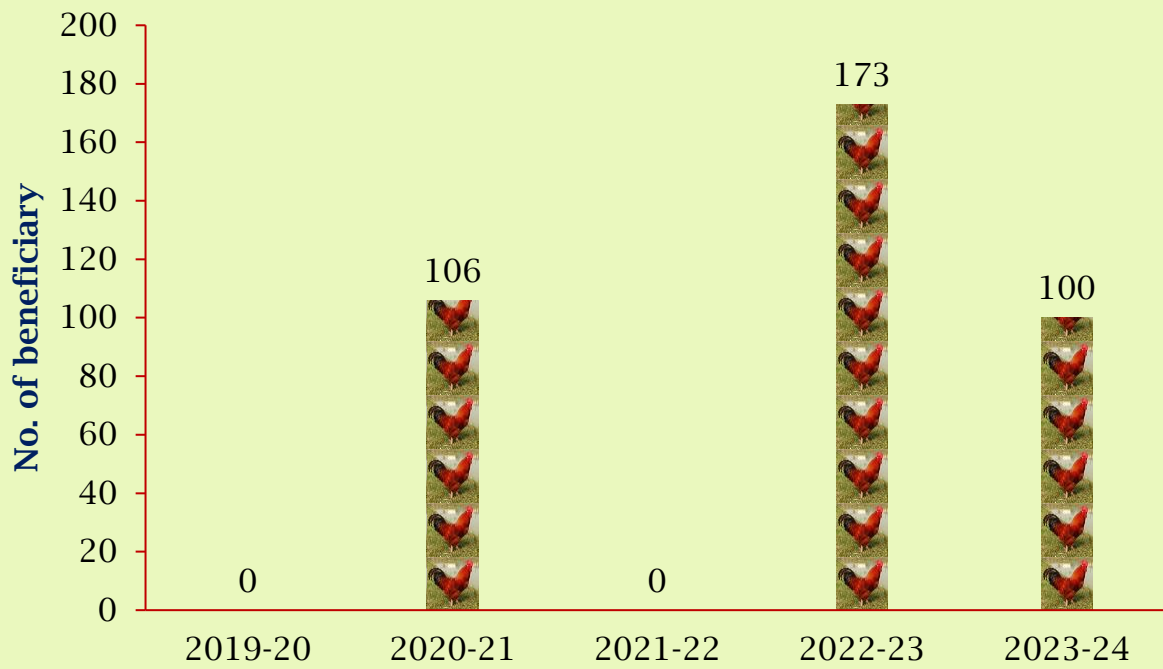


Fig. 11. No. of beneficiary of poultry distribution

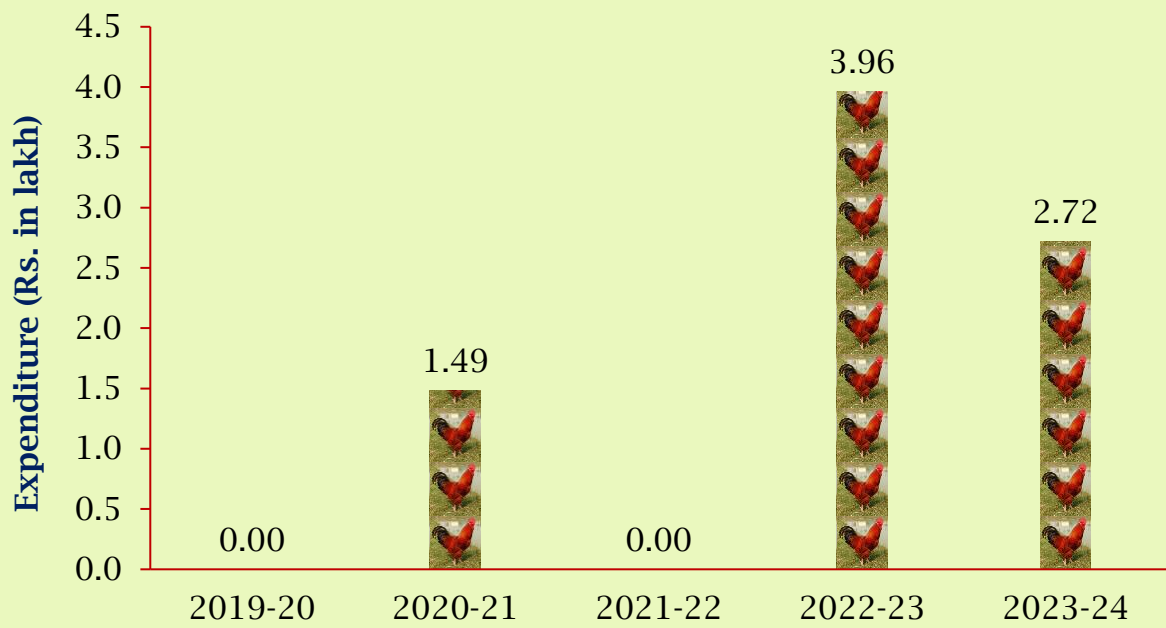


Fig. 12. Expenditure (Rs. in lakh) on poultry distribution



Distribution of chicks, feeder, waterer, poultry feed along with plastic crates



Distribution of poultry chicks, feeder, waterer & poultry feed

SN	Fish fingerlings	Unit	Qty.	Beneficiary No.			Cost (₹)
				Total	Male	Female	
1	Fish fingerlings (IMCs & EMCs)	kg	200	5	5	0	100000
2	Fish fingerlings (IMCs & EMCs)	kg	100	7	6	1	50000
Total			300	12	11	1	150000

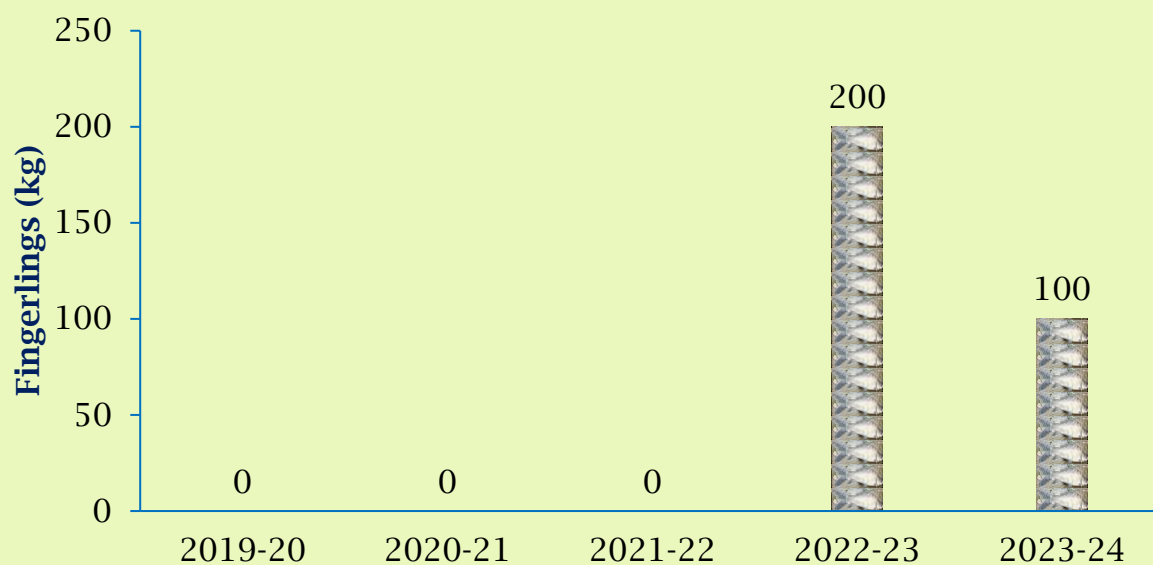


Fig. 13. Fish fingerlings distribution

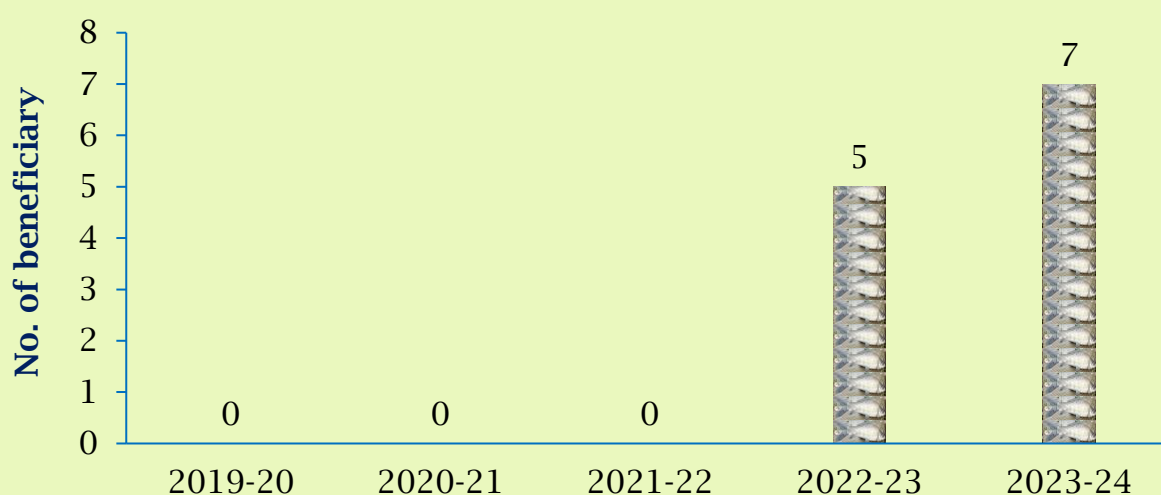


Fig. 14. Number of beneficiary of fish seed distribution

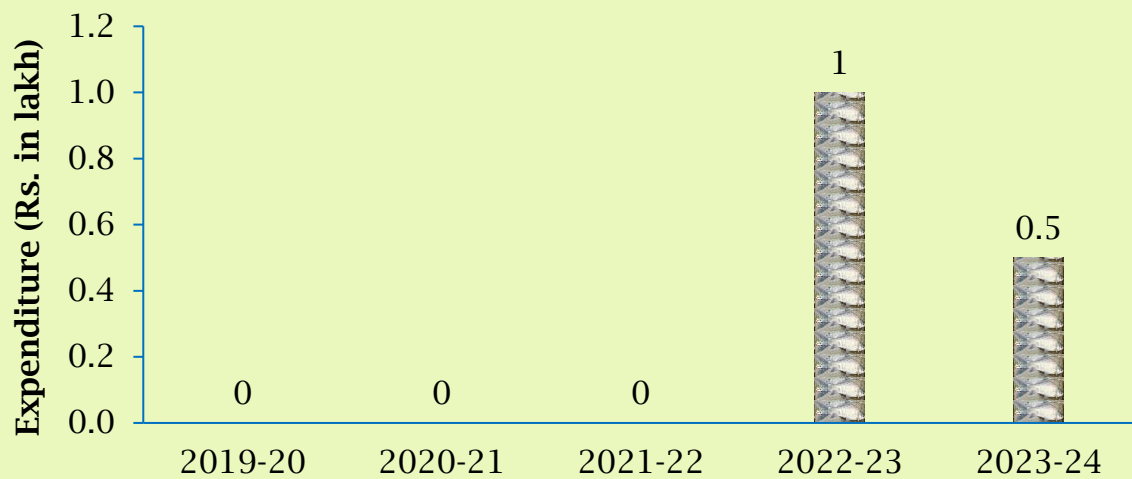


Fig. 15. Expenditure (Rs. in lakh) on fish seed distribution



Distribution of fish fingerlings (catla, rohu, mrigal, grass carp & common carp)

CHAPTER-04: DISTRIBUTION OF SEEDS, FERTILIZERS, ANIMAL FEED, PLANT SAPLINGS

The quality seed material of wheat, maize, mustard, moong bean and vegetables etc. was distributed among the SC farmers in various villages of East Champaran, Bihar under SCSP scheme during 2020-2023. Other inputs like fertilizers (urea and DAP), plant saplings and poultry feed were also distributed. A total of 4023 SC farmers including male 3172 (78.8%) and female 851 (21.2%) have benefitted. Details of the inputs, number beneficiaries and expenditures are mentioned in the table below.

Table 6. Detail of fertilizers, seeds, animal feed and plant saplings distribution							
SN	Fertilizers	Unit	Qty.	Beneficiary No.			Cost (Rs.)
				Total	Male	Female	
1	Urea (45 kg bag each)	No.	1876	964	850	114	499954
2	Neam coated urea (45 kg bag each)	No.	1250	619	585	34	333122
3	DAP bag (50 kg bag each)	No.	125	125	110	15	150000
Total			3251	1708	1545	163	983076
SN	Crop seed material	Unit	Qty.	Beneficiary No.			Cost (Rs.)
				Total	Male	Female	
1	Moong IPM-02-14C/S	kg	500	91	72	19	58500
2	Wheat HD-2967	kg	2000	102	72	30	71000
3	Wheat seed DBW-183	kg	3000	152	134	18	116000
4	Mustard/ RH-749	kg	200	97	54	43	21000
5	Maize/ DM RH-1301	kg	200	47	40	7	32000
6	Moong bean seed IPM-205-07	kg	400	84	74	10	52000
7	Wheat seed HD-2967 & DBW187	kg	4000	174	143	31	168912
8	Paddy seed (swarna samriddhi)	kg	1980	161	118	43	84645
9	Wheat seed (HD-2967)	kg	4000	128	109	19	174000
Total			16280	1036	816	220	778057
SN	Vegetable seed material	Unit	Qty.	Beneficiary No.			Cost (Rs.)
				Total	Male	Female	
1	Kitchen garden vegetables kit	No.	2000	750	500	250	30000
2	Vegetables seed packet	No.	500	295	156	139	70000

		Total	2500	1045	656	389	100000
SN	Planting material	Unit	Qty.	Beneficiary No.			Cost (Rs.)
				Total	Male	Female	
1	Plant saplings (guava, lime, coconut)	No.	500	150	125	25	25000
2	Guava plant saplings	No.	2500	348	237	111	100000
		Total	3000	498	362	136	125000
SN	Animal feed	Unit	Qty.	Beneficiary No.			Cost (Rs.)
				Total	Male	Female	
1	Poultry feed	kg	200	25	20	5	5000
2	Goat/poultry feed	kg	4000	153	56	97	148000
		Total	4200	178	76	102	153000

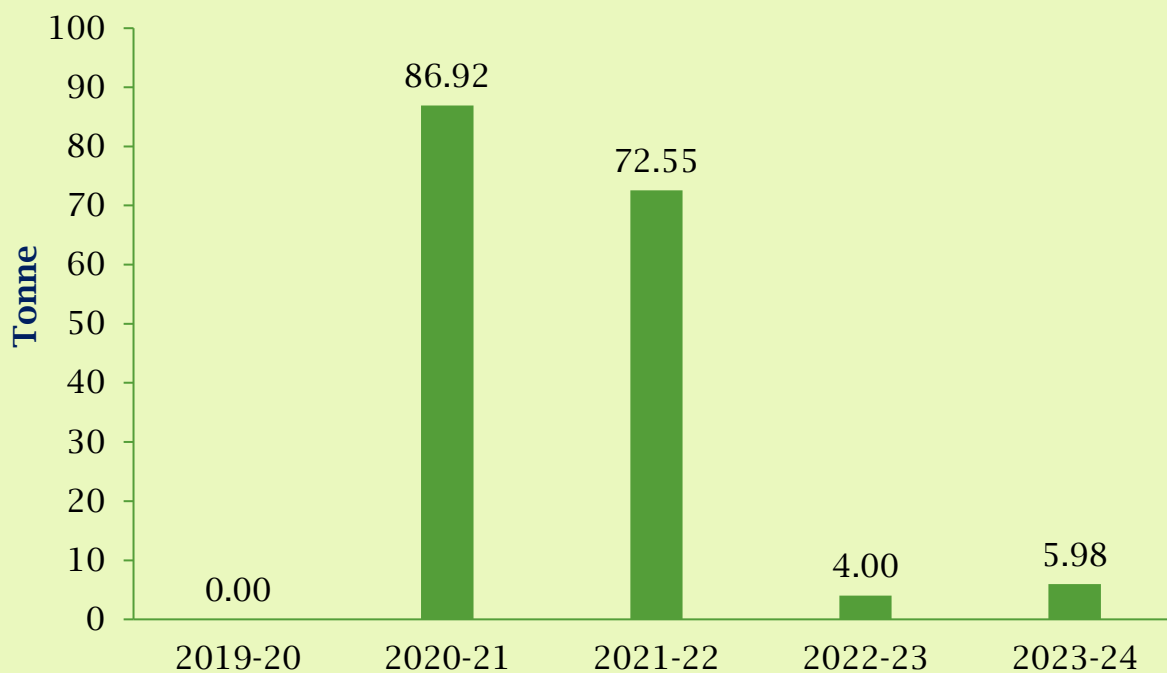


Fig. 16. Fertilizers & seed material distribution (in tonne)

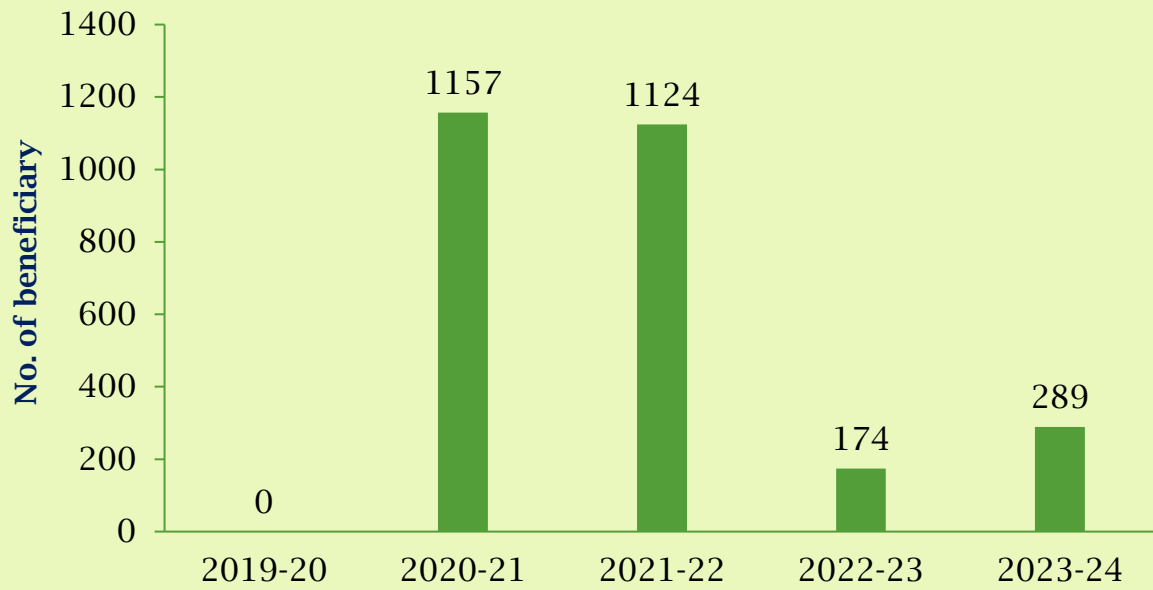


Fig. 17. No. of beneficiary of fertilizers & seed distribution

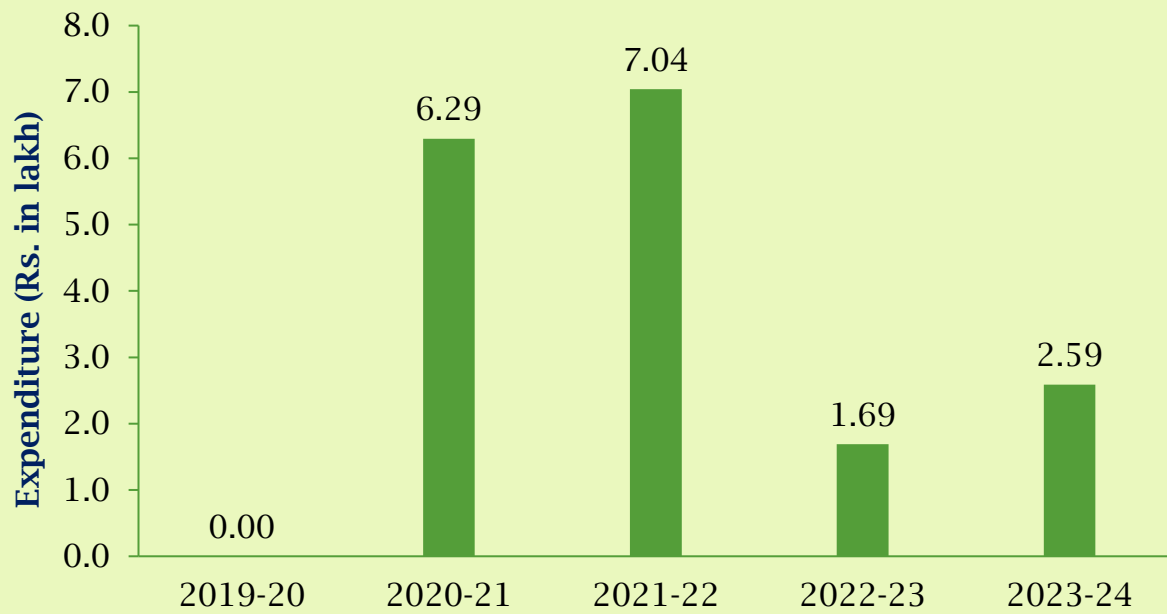


Fig. 18. Expenditure (Rs. in lakh) on fertilizers & seeds distribution



Ditribution of vegetable seed



Distribution of mustard seed



Distribution of moong bean seed



Distribution of wheat seed

CHAPTER-05: INFRASTRUCTURES DEVELOPMENT

For the benefit of Scheduled Caste communities at various SC dominated villages in East Champaran district of Bihar, infrastructures viz, rehabilitation shelters (during flood) cum farm produce shelter, rain shelter, cattle & goat shelters, threshing floor; and bore-wells with hand pumps for the supply of drinking water etc. were developed. A total of 1590 SC persons have been benefitted from the infrastructures developed under SCSP scheme by ICAR-MGIFRI, Piprakothi, East Champaran, Bihar. The details of the developed infrastructures are mentioned in the table below.

Table 7. Details of fertilizers, seeds, animal feed and plant saplings distribution				
SN	Infrastructure development	Address detail	Beneficiary (Nos.)	Cost (₹)
1	Farm produce shelter	Bishunpura, Chakia	50	764220
2	Cattle shed	Chandrahiya, Motihari	25	925758
3	Rain shelter	Bhataulia, Sangrampur	50	577401
4	Goat shed	Areraj, Arerj	50	861671
5	Threshing floor	Kamarchak, Kalyanpur	50	843542
6	Bore well with hand-pump (1 no.)	Bijulpur, Turkaulia	50	604075
7	Bore well with hand-pump (2 no.)	Narha Panapur, Tetaria	100	
8	Bore well with hand-pump (2 no.)	Mahuawa, Chakia	100	
9	Bore well with hand-pump (01 no.)	Ramgarhwa, Chakia	50	
10	Bore well with hand-pump (2 no.)	Chandrahiya, Motihari	100	
11	Bore well with hand-pump (01 no.)	Parsauni, Govindganj	50	
12	Bore well with hand-pump (01 no.)	Fursatpur, Motihari	50	
Sub-total (A)			725	4576667
13	Open pucca shelter	Naraha, Tetaria	115	472733
14	Open pucca shelter	Narayanpur, Tetaria	100	501588
15	Open pucca shelter	Hasanpur, Tetaria	100	463554

16	Open pucca shelter	Hanuman Nagar, Tetaria	100	459745
17	Open pucca shelter	Chheni Chhapra, Tetaria	100	457021
18	Open pucca shelter	Maniyarpur, Tetaria	115	501866
19	Open pucca shelter	Ujhilpur, Tetaria	110	554160
20	Open pucca shelter	Bahuara, Tetaria	125	501283
Sub-total (B)			865	3911950
Grand Total (A+B)			1590	8488617

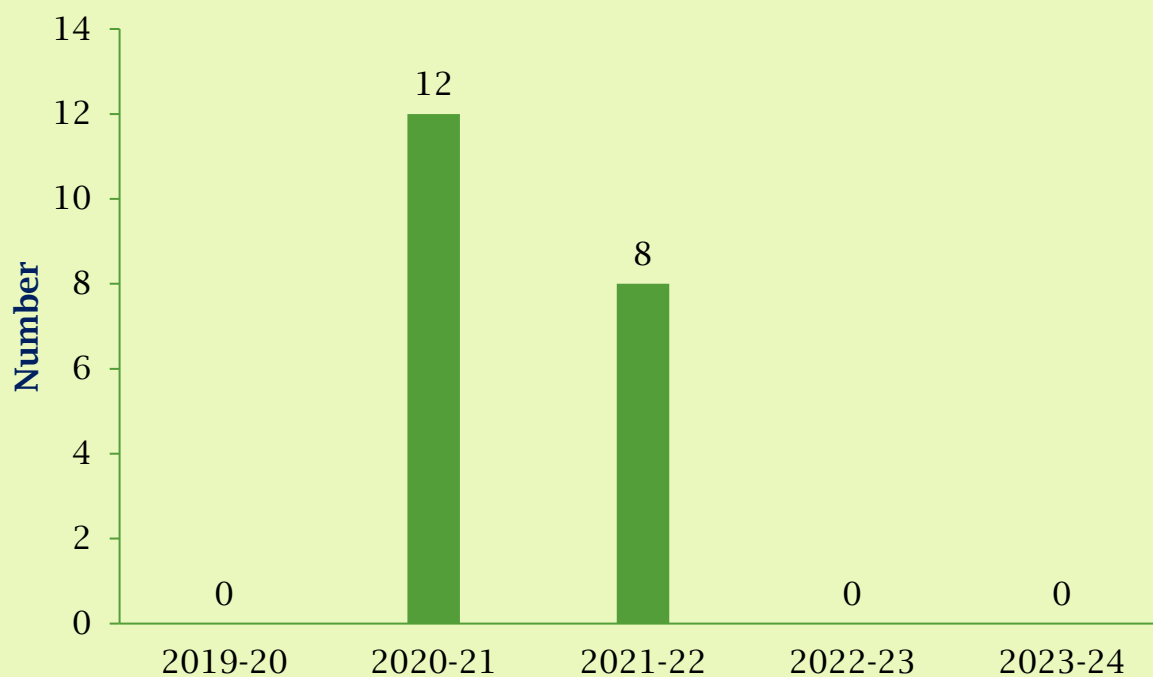


Fig. 19. Number of infrastructures developed

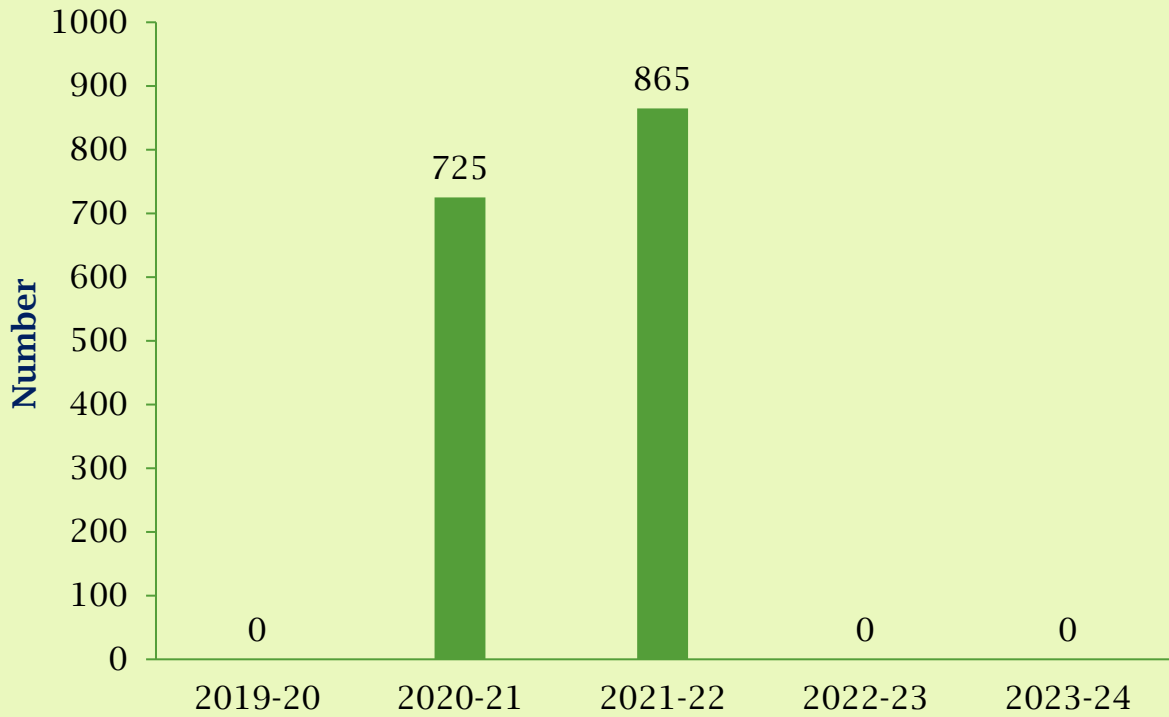


Fig. 20. Number of beneficiary of infrastructures developed

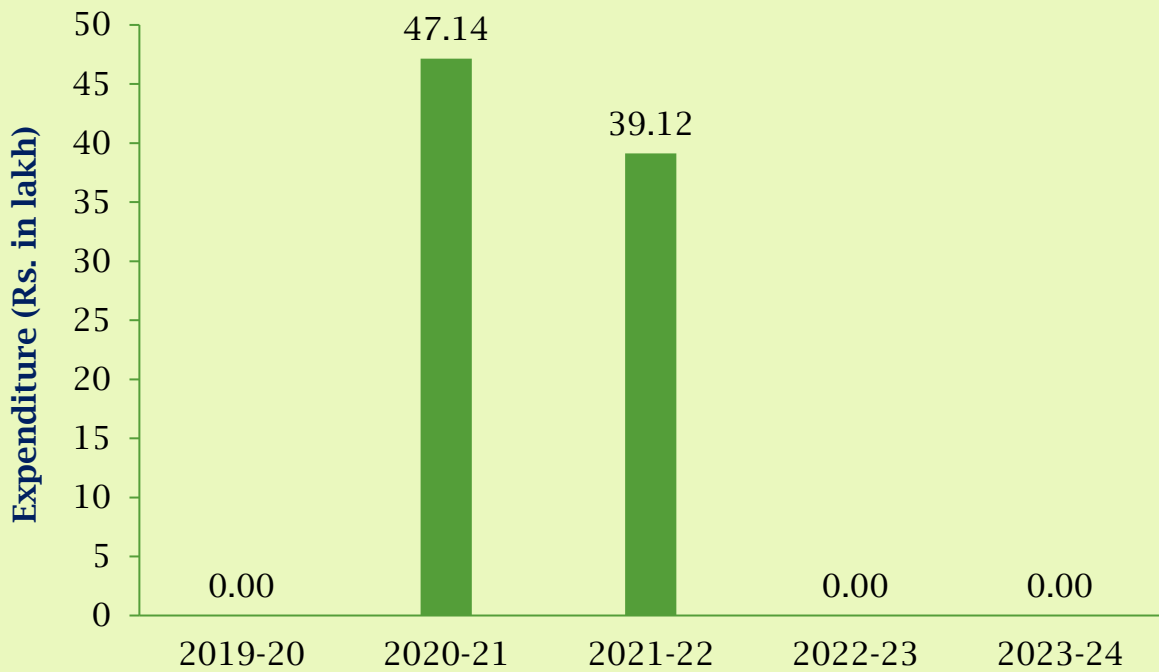


Fig. 21. Expenditure on infrastructure development



Farm produce shelter at Bishunpura



Cattle shed at Chandrahiya



Goat shed at Areraj



Borewell & handpump at Ramgarhwa



Borewell & handpump at Chandrahiya



Borewell & handpump at Chandrahiya



Borewell & handpump at Mahuawa



Borewell & handpump at Mahuawa



Borewell & handpump at Fursatpur



Borewell & handpump at Parsauni,



Borewell & handpump at Hanuman Nagar



Borewell & handpump at Naraha



Open pucca shed at Chheni Chhapara



Open pucca shed at Narayanpur Bazar



Open pucca shed at Hasanpur



Open pucca shed at Bahuara



Open pucca shed at Naraha



Open pucca shed at Hanuman Nagar



Open pucca shed at Maniyarpur



Open pucca shed at Ujhilpur