

KRISHI VIGYAN KENDRA, AMBALA (Established on 12 June,1995)

ACTION PLAN – 2024

A. Key Basic Information

1. Agro-climatic Zone	2. Soil Type	3. Topography
Dry-sub Humid Zone	Dry-sub Humid Zone of Haryana State South-West Part similar to dry-sub-humid Zone	Annual average rainfall is 1000 mm/yr.(app.) Source of irrigation – Tubewell (85%) & canal (15%)
Sub-Humid Sutlej Ganga Alluvial Plain Zone	North-East Part almost similar to Sub-Humid Sutlej Ganga Alluvial Plain Zone and falls under Shivalik foot-hills area	Ground Water Status – Dark Zone Temperature range - 2°C – 45°C

4. Major Crops of the district (2022-23)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Kg./ha)
1	Paddy	104090	390.0	3718.84
2	Wheat	88800	411.94	4638.93
3	Maize	110	0.38	3428.67
4	Sugarcane	10130	88096	86965.44
5	Mustard	7400	12.95	1749.36
6	Rabi Pulses	2000	3.0	1500.00
7	Chickpea (Gram)	400	0.4	1000.00
8	Sunflower	8090	24.86	3073.28
II	VEGETABLE CROPS			
1	Potato	3250	8168.0	2510
2	Onion	2926	4027.2	1380
3	Tomato Open	1587	3088.2	1950
4	Tomato Protected cultivation	0.8	16.8	21000
5	Radish	1372	3985.8	2910
6	Carrot	1240	3578.9	2890
7	Cabbage	45	18.8	420
8	Cauliflower	2248	4384.8	1950
9	Green Chillies	408	282.4	690
10	Capsicum	764	1706.8	2230
11	Capsicum (Protected cultivation)	10	121.6	12160
12	Bhindi	1116	222.2	200
13	Brinjal	222	247.4	1110
14	Peas	632	915.6	1450

Taluka	Block	Village	Total population	No. of farm households	Distribution of farmers according to size of land holdings			
					L	M	S	Total
Saha	Saha	Akbarpur	520	65	5	7	32	44
Saha	Saha	Sambhalkha	5511	325	31	76	118	225
Barara	Saha	Jawahargarh	92	110	5	20	42	67
Saha	Saha	Samlehri	4115	762	38	102	333	473
Saha	Saha	Kesri	5055	923	56	118	605	779
Barara	Saha	Kalpi	3035	488	23	91	200	314
Saha	Saha	Langar	633	128	2	26	67	95
Barara	Saha	Paplotha	1181	183	4	31	68	103
Ambala-I	Ambala-I	Manglai	2203	377	9	47	149	205
Ambala-I	Ambala-I	Durana	2345	441	10	52	189	251
Ambala-II	Ambala-II	Sapeda	2127	185	22	66	97	185
Ambala-II	Ambala-II	Ratanheri	1748	267	16	25	99	140
Ambala-II	Ambala-II	Shahpur	5213	153	10	15	75	100
Ambala-II	Ambala-II	Khudda	2169	270	39	78	153	270
Naraingarh	Naraingarh	Gadauli	4949	336	32	94	210	336
Naraingarh	Naraingarh	Chajjalmaajra	600	91	2	15	74	91
Naraingarh	Naraingarh	Ahmadpur	496	125	12	48	65	125
Naraingarh	Naraingarh	Sainmajra	1193	166	16	51	99	166
Shahzadpur	Shahzadpur	Jangu Majra	555	113	11	44	58	113
Shahzadpur	Shahzadpur	Khedki manakpur	1167	178	16	63	99	178
Shahzadpur	Shahzadpur	Patrehri	5645	1038	145	337	556	1038
Barara	Barara	Dhakola	1623	349	10	135	204	349

B. Mandatory activities of KVK

Activity	Targets (Number)	Target (Number of Farmers)
OFT	6	60
FLD	72	210
Training	53	1105
Extension Activities	5036	8485

1. On Farm Trials

Sl. No	OFT Title	Crop/ Commodity	Addressing which thrust area	Solving which farmer problem identified in PRA	Recommendations of ZAREC/ other institutional set up	Source of Tech-nology	Critical input sourcing	Nodal officer with contact details
1.	Assessment of foliar spray of micro-nutrients in Potato	Potato	Integrated Nutrient Management	Sh. Gurdev Goginder Singh, Jawahargarh Sh. Naveen, Sh. Manish Saini & Sh.Deep from Singh Sain Majra	--	PAU, Ludhiana	-Micro nutrients	Dr. Amit Kumar Mob.No. 9991567854
2.	Management of Stem borer in Rice	Rice	Integrated Pest Management	Sh. Gopal Sh. Jashmer Singh Sh. Vinod Kumar Sh. Brijpal Chauhan Sh. Mohal Lal Sh. Ajay Sharma Khudda	--	PAU, Ludhiana	Coragen 18.5 SC (chlorantranilipr ola @ 60 ml/100 lit. of water)	Dr.Vikram Dhirendra Singh Mob. No. 8950235630
3.	Management of Early shoot borer in Sugarcane	Sugar-cane	Integrated Pest Management	Sh. Sukhwinder Singh Sh. Ghola Singh Sh. Baljinder Singh Sh. Bittu Sapeda	--	CCSHAU, Hisar	Regent (fipronil) 0.3 G @ 25 kg/ha	Dr. Vikram Dhirendra Singh Mob. No. 8950235630

Sl. No	OFT Title	Crop/ Commodity	Addressing which thrust area	Solving which farmer problem identified in PRA	Recommendations of ZAREC/ other institutional set up	Source of Tech-nology	Critical input sourcing	Nodal officer with contact details
4	Management of Bacterial wilt in Potato	Potato	Integrated Disease Management	Sh. Gurdev Singh Jawahargarh , Sh. Subhash , Sh. Aman, Landha	--	CCSHAU, Hisar	Streptocycline solution (0.02%) ST	Dr. Vikram Dhirendra Singh Mob. No. 8950235630
5	Management of <i>Phalaris minor</i> in Wheat	Wheat	Integrated Weed Management	Sh.Sandeep Saini, Akbarpur Sh. Jaswinder, Dhakola	--	PAU, Ludhiana	-Pendimethalin @ 5 lit/ha -ACM-9 (Clodinaforp 9% + Metribuzin 20% WP -240 gm) @ 600 gm/ha	Dr. Rajendra Kumar Singh Mob. No. 7678436056
6	Assessment of water saving in Wheat	Wheat	Water Management	Sh. Manprit Singh & Sh. Rajender Singh Ratanheri Sh. Ajaib Singh, Kapoori Sh. Gholi Singh & Sh. Baljinder Singh Sapeda	--	PAU, Ludhiana	-Border Strip design -Wheat Seed (DBW-187) 100 kg/ha	Er. Guru Prem 7015033511

2. Frontline Demonstrations

2.1 Crops

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.
1	Wheat	DBW-327	Varietal Evaluation	High yielding variety of Wheat	Seed	Rabi & 2024	4.0	10

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.
2	Mustard	R.H.749	Varietal Evaluation	High yielding variety of Mustard :	<ul style="list-style-type: none"> ▪ Seed ▪ Consortia 	Rabi & 2024	4.0	10
3	Wheat	DBW-187	Nutrient Management	Balanced Fertilizer application in Wheat	<ul style="list-style-type: none"> -Micro nutrient -Soil testing 	Rabi & 2024	4.0	10
4	Tomato	Arka Rakshak	Integrated Crop Management	Production technology of Tomato	<ul style="list-style-type: none"> -Pendimethalin -Cypermethrin -Mancozeb 	Kharif & 2024	4.0	10
5	Potato	Kufri Pukhraj	Integrated Nutrient Management	Integrated Nutrient Management in Potato	<ul style="list-style-type: none"> Pendimethalin @ 5 lit./ha Diethane (M-45) - Biozyme @ 500 ml/ha @ 1.5 kg/ha 	Rabi & 2024	4.0	10
6	Onion	Bhima Shakti	Varietal evaluation	Improved variety of Onion	Seed @ 10 kg/ha	Rabi & 2024	4.0	10
7	Maize	P-1844	Integrated Pest Management	Management of Fall armyworm in Maize	Delegate 11.7 SC (spinetoram) 1.25 ml/lit. of water/ha	Spring & 2024	4.0	10
8	Chilli	Pusa Jawala	Integrated Disease Management	Management of Leaf curl disease in Chilli	Imidacloprid 17.8 SL @ 1 lit./ha	Rabi & 2024	4.0	10
9	Sugar-cane	Co-238	Integrated Disease Management	Management of Pokha boeing disease in Sugarcane	Copper oxychloride 50% WP@ 600 g/ha	Rabi & 2024	8.0	20
10	Potato	Kufri Pukhraj	Integrated Disease Management	Management of Early blight in Potato	Mancozeb M-45 @ 1.5 kg/ha	Rabi & 2024	8.0	20
Total							64.0	160

2.2 Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs
Zero tillage wheat sowing	Wheat	Rabi & 2024	10	4.0	-Seed (40 kg/ha) DBW-187
Tractor operated rotary weeder in	Sugarcane	Spring 2024	10	4.0	Tractor operated Rotary

Sugarcane					Weeder
Total			20	8.0	

2.3 Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Growth performance of piglets	Large White Yorkshire	10	10 Piglets	Post-biotic supplements @ 20 gm/head/day	-Body weight (kg/fortnightly) -Feed Conversion Ratio (FCR) % -Age of puberty (days)
Performance of milk yield	Indigenous	10	10 Animals	-Vitamin E & Zinc -Broad spectrum Dewormer	-Milk yield : Lit/day -FAT & SNF (%) -Body condition Score (1-5)
Effect of dietary supplementation of Trace mineral on growth & egg quality of Layer birds	Indigenous/C hhabron	10	50 Birds	-Trace Mineral 300 g/ton of feed	-Body weight -FCR (%) -Egg shape (cm) -Egg weight (gm)
Total		30	70		

2.4 FLDs on nutri-garden/nutrition: No. of farmers: 50

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	No. of farmers/ demon.	Parameters identified
1	Kitchen garden	Re-commended varieties of Vegetables	Household food security by kitchen gardening	Household food security by kitchen gardening	Seasonal Vegetable Seeds (PAU, Ludhiana)	Kharif-2024 & Rabi 2024-25	50	-Anthropometric measurements & HB level

2.5 Field days at FLDs

Crop	Season	Probable date of Field day	Likely participation	Village/ Block	Nodal officer
Wheat	Rabi 2024-25	30-3-2025	35	Kesri/Saha	Er. Guru Prem

2.6 Sponsored Demonstration

Crop	Area (ha)	No. of farmers
--	--	--

3. Training

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
ON-CAMPUS								
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	10	5	15	0	0	0	15
Integrated Crop Management	1	10	5	15	0	0	0	15
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	20	10	30	0	0	0	30
b) Fruit Crops								
Management of young plants /orchards	0	0	0	0	0	0	0	0
c) Tuber crops								
Production and Management technology	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil & Water Testing	1	13	0	13	2	0	2	15
IV Livestock Production and Management								
Dairy Management	1	10	5	15	10	5	15	30
Piggery Management	1	0	15	15	0	15	15	30
Disease Management	1	10	5	15	10	5	15	30
V Home Science/Women empowerment								
Minimization of nutrient loss in processing	1	0	5	5	0	15	15	20
Value addition	2	0	10	10	0	30	30	40
Income generation activities for empowerment of rural women	1	0	5	5	0	15	15	20
VI Agril. Engineering								
Repair and maintenance of farm machinery and implements	1	25	0	25	0	0	0	25
VII Plant Protection								
Integrated Pest Management	2	20	6	26	4	0	4	30

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
a) Vegetable Crops								
Production of low volume and high value crops	2	20	5	25	5	0	5	30
b) Tuber crops								
Production and Management technology	1	10	5	15	0	0	0	15
III Soil Health and Fertility Management								
Soil fertility management	1	10	3	13	2	0	2	15
Soil and Water Testing	1	10	3	13	2	0	2	15
IV Livestock Production and Management								
Dairy Management	1	10	5	15	5	5	10	25
Disease Management	1	10	5	15	5	5	10	25
Feed management	1	10	5	15	5	5	10	25
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	0	0	0	20	20	20
Storage loss minimization techniques	1	0	0	0	0	20	20	20
Income generation activities for empowerment of rural Women	1	0	0	0	0	20	20	20
Women and child care	1	0	0	0	0	20	20	20
VI Agril. Engineering								
Repair and maintenance of farm machinery and implements	3	30	9	39	6	0	6	45
VII Plant Protection								
Integrated Pest Management	1	10	3	13	2	0	2	15
Integrated Disease Management	4	40	12	52	8	0	8	60
VIII Production of Inputs at site								
Vermi-compost production	1	5	5	10	5	5	10	20
IX Capacity Building and Group Dynamics								
Leadership development	1	15	10	25	5	5	10	10
TOTAL	27	230	95	325	60	125	185	510

4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Total Participants	Nature of Extension Activity	No. of activities	Total Participants
Field Day	10	265	TV talks	2	Mass
Kisan Mela	1	650	Popular articles	5	Mass
Kisan Ghosthi	10	265	Extension Literature	5	Mass
Exhibition	5	650	Advisory Services	2200	2200

Film Show	10	225	Scientific visit to farmers field	500	900
Lectures delivered	50	650	Farmers visit to KVK	2200	2200
Newspaper coverage	30	Mass	Celebration of important days	8	460
Radio talks	0	Mass	Any Other :Awareness /Exposure visit/ Ex-trainees Meet/ Camps etc.	25	3000
Total				5036	8485 + Mass

c. Production and supply of Seed and Planting Materials

SEED

Sl. No.	Crop	Variety	Quantity (qtl.)	Source of parent seed (agency)	Quantity (kg.)	Indent given to agency or not
CEREALS	Paddy	PB-1718, PB-1692, PR-126 & PB-1847	40	PAU & IARI	20	Feb. 2024
	Wheat	DBW-187, PBW-826, DBW -332	100	PAU & IAWBR	300	Aug., 2024
	Sugarcane	Co-238, Co- 5011 & Co- 118	1500	Sugarcane Breeding Institute, Karnal	20000	Jan.2024
OILSEEDS	--	--	--			
PULSES	Lentil	L-4717	7	IARI, New Delhi	12	Aug., 2024
VEGETABLES	Potato	Kufri Chipsona- 3	200	CPRI, Shimla	30	Feb. 2024
	Onion	NHRDF-Red -4	70	NHRDF, Karnal	4	Aug., 2024
OTHERS (Specify)	--	--	--	--	--	--
		Total	1927			

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Mother orchard in place or not
FRUITS	Mango	Langra, Desheri, Ramkela, Amarpali, Malika	500	Yes
	Lemon	Baramasi, Kagzi Kalan	500	Yes
FOREST SPECIES	Poplar	G-48	2000	Yes
Any others	Mushroom	Button Mushroom	50 kg.	--
		Total	3000 No.	

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES	Vermi Compost	--	--	10000

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Potential area of absorption (block) sqm.	Likely cost on production (Rs.)
			(Nos)	Unit		
Cattle	Deshi	Gir & Sahiwal	6	1	450.0	300000.00
GOAT	Buck	Barbari	10	1	89.30	25000.00
SHEEP	--	--	--	--		
POULTRY	Chicks	Chabron	1000	1	50.96	100000.00
Pig farming	Piglets/Adult	Large White York Shire	100	1	364.0	350000.00
FISHERIES	--	--	--	--	--	
		Total	1116			

Literature to be Published

S.No.	Topic	Number
1	KVKs News Letter (six monthly)	0
2	Research paper	
	> 6.0 score	2
	< 6.0 score	2
2	Technical reports	10
4	Popular article	5
5	Extension literature	5
	Total	24

D. Samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Revenue generated (Rs)
Soil Samples	250	250	50	--
Water	0	0	0	--

Plant	100	100	50	--
Total	350	350	100	--

E. Target for Revolving Funds

Year	Revolving Fund (Rs.)	Activities conducted/ proposed to accomplish RF	Income (Rs. in lakhs)/Target	Expenditure (2022-23) Rs. in lakhs	Balance (Rs. in lakhs)
2022-23	Rs.8090519.79	Seed Production,Dairy, Piggery, Goatry, Poultry, Vermi Compost IFS, Mushroom Unit & Agro Forestry Model	Rs. 2633700.45	Rs.3257236.28	Rs.8090519.79
2023-24 (Expected RF)	Rs.8500000.00	--do--	Rs.2500000.00	Rs. 2000000.00	5.00 lakh
2024-25 (Expected)	90.00 lakh	--do--	30.00 lakh	25.00 lakh	5.00 lakh