PROFORMA FOR PREPARATION OF ANNUAL REPORT (January-2022-December-2022)

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	46	837	278	1115
Rural youths	02	-	45	45
Extension functionaries	03	44	11	55
Sponsored Training	06	112	21	133
Vocational Training	02	25	25	50
Total	**59**	**1018**	**380**	**1398**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	590	192	-
Pulses	244	108.8	-
Cereals	154	38.8	-
Vegetables	26	4.0	-
Other crops	40	4.0	-
Hybrid crops	130	29.0	-
Total	**1184**	**376.6**	**-**
Livestock & Fisheries	12	-	27
Other enterprises	137	-	3
Total	**149**	**-**	**30**
Grand Total	**1333**	**376.6**	**30**

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	08	80	80
Livestock	-	-	-
Various enterprises	01	10	10
Total	**09**	**90**	**90**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	249	65221
Other extension activities	194	Mass
Total	**443**	**65221**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Tonk	Text only	11	1	7	3	10	5	37
	Voice only	5	1	1	2	4	1	14
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	**16**	**2**	**8**	**5**	**14**	**6**	**51**
	Total farmers Benefitted	**21796**	**21796**	**21796**	**21796**	**21796**	**21796**	**21796**

6. Seed & Planting Material Production

Particulars	Quintal/Number	No. of Farmers	Value Rs.
Seed (q)	618.47	1131	2915042
Planting material (No.)	88694	1228	180760
Bio-Products (kg)	129.02	80	32000
Livestock Production (No.)	18	8	205000
Fishery production (No.)	-	-	-
Total Rs			3332802

7. Soil, water & plant Analysis

Particulars	Samples	No. of Farmers	Value Rs.
Soil	838	800	41900
Water	209	115	10450
Plant	-	-	-
Total	**1047**	**915**	**52350**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	17
2	Conferences	8
3	Meetings	25
4	Trainings for KVK officials	5
5	Visits of KVK officials	15
6	Book published	3
7	Training Manual	2
8	Book chapters	6
9	Research papers	7
10	Lead papers	1
11	Seminar papers	3
12	Extension folder	4
13	Proceedings	7
14	Award & recognition	2
15	On going research projects	1

DETAIL REPORT OF APR – 2022

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		Email
	Office	FAX	
Krishi Vigyan Kendra, Tonk, P.O. – Banasthali Vidyapith, District – Tonk (Rajasthan) – 304022	01438-228333	01438-228365	kvktonk@gmail.com

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

Address	Telephone		Email
	Office	FAX	
Officiating Secretary, Banasthali Vidyapith, P.O. – Banasthali Vidyapith, District – Tonk (Rajasthan) – 304022	01438-228324	01438-228365	kishoredharma@yahoo.co.in

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. D. V. Singh	9410000339	7455014461	drdvs.org@gmail.com

1.4. Year of sanction: 1995

1.5. Staff Position (as on 31st December, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Senior Scientist & Head	Dr. D.V. Singh	Senior Scientist & Head	Agricultural Extension	-	129490/-	27/01/2018	-	Other	9410000339	43	-
2	Subject Matter Specialist	Dr. Ram Charan Yadav	Subject Matter Specialist	Plant Protection	-	129490/-	23/05/1996	Permanent	OBC	9460517934	59	-
3	Subject Matter Specialist	Mr. Banshidhar	Subject Matter Specialist	Agronomy	-	85790/-	01/10/2008	Permanent	OBC	9414440085	54	-
4	**Subject Matter Specialist**	**Vacant**	**-**	**Animal Science**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
5	Subject Matter Specialist	Mr. Naresh Kumar Agarwal	Subject Matter Specialist	Horticulture	-	64450/-	14/11/2015	Contract	Other	9828291648	43	-
6	**Subject Matter Specialist**	**Vacant**	**-**	**Soil Science**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
7	Subject Matter Specialist	Dr. Preeti Verma	Subject Matter Specialist	Home Science	-	51530/-	24/12/2017	Contract	Other	9461395307	35	-
8	**Programme Assistant**	**Vacant**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
9	Computer Programmer	Mr. Mithileshwar Nath Upadhyay	Programme Assistant Computer	Computer	-	51800/-	09/11/2008	Contract	Other	9309427699	37	-
10	**Programme Assistant / Farm Manager**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
11	Accountant / Superintendent	Mr. Ram Narayan Gurjar	Lower Division Clerk	Other	-	21000/-	01/07/2022	Contract	OBC	9799779888	30	-
12	Stenographer	Mr. Ashutosh Sharma	Stenographer	Other	-	29640/-	01/04/2014	Contract	Other	8005518140	40	-
13	Driver	Mr. Bajrang Singh	Driver	Driver	-	33330/-	07/09/1995	Contract	Other	9509946291	59	-
14	Driver	Mr. R. S. Meena	Driver	Driver	-	28170/-	01/01/2020	Contract	Other	9782269924	58	-
15	Supporting staff	Mr. Mohan Singh	Supporting staff	Other	-	27450/-	01/04/2014	Contract	Other	-	-	-
16	Supporting staff	Mr. Suresh Singh	Supporting staff	Other	-	27450/-	01/04/2014	Contract	Other	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1.	Under Buildings	1.39
2.	Under Demonstration Units	1.30
3.	Under Crops	20.12
4.	Orchard/Agro-forestry	3.42
5.	Others (including Water Harvesting Structure)	3.58
	Total	**29.81**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq. m)	Expenditure (Rs.)	Starting year	Plinth area (Sq. m)	Status of construction
1	Administrative Building	ICAR	1998 – 99	658	20.07 lac			(-) 1.23 lac
2	Farmers Hostel	ICAR	2002 – 2003	305	16.44 lac			(-) 2.99 lac
3	Staff Quarters (6)	ICAR	2002 – 2003	400	19.94 lac			(-) 3.70 lac
4	Seed processing & packaging unit	GOR	2004 – 2005	260	11.50 lac			
5	Threshing floor	ICAR	2004 – 2005	380	1.55 lac			(-) 0.55 lac
6	Soil & Water Testing Laboratory	ICAR	2004 – 2005	110	8.60 lac			
7	Fruit & Vegetable Processing Unit	ICAR	2004 – 2005	-				
8	Rain Water harvesting system	ICAR	2006 – 2007	2500	11.72 lac			(-) 1.72 lac
9	Drip Irrigation System	ICAR	2006 – 2007	-				
10	Nursery Unit	ICAR	2006 – 2007					
11	Farm go down	ICAR	2009 – 2010	50	3.96 lac			(-) 0.15 lac
12	Implement Shed	ICAR	2011 – 2012	135	3.30 lac			(-) 0.30 lac
13	Boundary Wall cum Fencing	RF	2012 – 2013	2.5 Km	83.00 lac			
14	Plant Health Clinic	ICAR	2011 – 2012	-	10.00 lac			
15	Goat Unit	ICAR	2017 – 2018	-	3,60,583/-			
16	Poultry Unit	ICAR	2017 – 2018	-				
17	Mushroom Unit	ICAR	2017 – 2018	-				
18	Orchard with Drip Irrigation	ICAR	2017 – 2018	-	80,240/-			
19	Vermicompost Unit	ICAR	2017 – 2018	-	37,291/-			
20	Bee-keeping Unit	ICAR	2017 – 2018	-	46,537/-			
21	Drip Irrigation in Vegetable	RWSLIP	2020 – 2021	-	80,000/-			
22	Power Reaper	RF	2020 – 2021	-	1,26,000/-			
23	Rotavator	RF	2020 – 2021	-	85,000/-			
24	Hydroponics Fodder Unit	RF	2021 – 2022	-	29,500/-			
25	Hydroponics Vegetable Unit	RF	2021 – 2022	-	14,750/-			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total Run (Km/Hour)	Present status
Tractor (Massey)	1995 – 1996	2.53 lac	3680 Hour	OK
Tractor (Mahindra 5750)	2019 – 2020	5.91 lac	2450 Hour	OK
Motorcycle	2010 – 2011	0.45 lac	64850 Km	OK
Jeep (Bolero)	2015 – 2016	8.00 lac	139364 Km	OK

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Overhead Projector	1996 – 1997	6,300/-	OK
Slide Projector	1996 – 1997	10,600/-	OK
Screen	1996 – 1997	1,550/-	OK
LCD Projector	2006 – 2007	59,000/-	OK
Computer System	2006 – 2007	41,300/-	OK
Sony Digital Camera	2006 – 2007	13,999/-	OK
Sony Handy Cam	2006 – 2007	22,990/-	OK
KONICA MINOLTA (Xerox cum Printer)	2009 – 2010	51,975/-	OK
Fax Machine	2009 – 2010	13,900/-	OK
Sony Cybershot Digital Camera	2009 – 2010	25,820/-	OK
HP Computer System (Printer, Scanner, UPS)	2010 – 2011	42,718/-	OK
Computer Furniture	2010 – 2011	10,600/-	OK
EPBAX System	2010 – 2011	45,525/	OK
PA System	2010 – 2011	31,401/-	OK
Book Case	2010 – 2011	5,500/-	OK
Plant Health Clinic Equipments & Accessories	2011 – 2012	9,60,633/-	OK
LCD Projector SONY (New)	2013 – 2014	63,000/-	OK
Spectrophotometer	2013 – 2014	1,17,000/-	OK
Flame Photometer	2013 – 2014	45,000/-	OK
Dell Inspiron 15 Series Laptop	2013 – 2014	44,100/-	OK
Soil Testing Kit STFR	2015 – 2016	89,000/-	OK
Light Trap	2015 – 2016	13,000/-	OK
Desktop Computer System	2015 – 2016	26,875/-	OK
Soil Testing Kit STFR	2016 – 2017	89,000/-	OK
Desktop Computer System (02)	2016 – 2017	61,000/-	OK
GPS Machine (e-TRAX Garmin)	2017 – 2018	10,000/-	OK
SONY Camera	2018 – 2019	29,000/-	OK
Split Type AC (1.5 T) – 1 Unit	2019 – 2020	31,850/-	OK
PeopleLink Full HD WebCam	2020 – 2021	10,750/-	OK
Portable Projector M1	2020 – 2021	29,900/-	OK
DELL Laptop (3593)	2020 – 2021	74,250/-	OK
LED TV (55")	2020 – 2021	40,500/-	OK
Split Type AC (2.0 T) – 1 Unit	2020 – 2021	43,300/-	OK
Window AC (2.0 T) – 2 Unit	2020 – 2021	64,000/-	OK
Office Furniture	2020 – 2021	193,219/-	OK

1.8. A). Details SAC meeting* conducted in the year

S.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken

Note: This yellow mark may be treated as an example

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT (2022)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming System/ Enterprise
1	Sorghum – Fallow
2	Seasmum – Fallow
3	Green gram – Fallow
4	Pearlmillet – Chickpea
5	Seasmum – Chickpea
6	Black gram – Mustard
7	Sorghum – Mustard
8	Cotton – Mustard
9	Cluster Bean – Fallow
10	Cluster bean – Wheat

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

a) Soil Type

S. No.	Agro-climatic Zone	Characteristics
1	**Semi Arid Eastern Plain zone III A of Rajasthan**	These zones have alluvial as well as black soils in some Districts. Only 28% area is irrigated and Pearl millet, Sorghum, Green gram, Black gram, Seas mum, Mustard, Wheat, and Chickpea are the main crops of Kharif and Rabi in this region.

b) Topography

S. No.	Agro-ecological situation	Characteristics
1	The district Tonk is situated in mid eastern part of Rajasthan falling in semi eastern plain zone III A. Out of the available 4.8 Lac ha cultivable land, only 1.9 Lac ha is sown more than once in a year. Around 40% land is problematic with brackish water. The major sources of irrigation are wells and ponds (Number 194). However, the irrigated area varies with precipitation and water availability in ponds. The average size of holding is 3.4 ha. Diversity of soils is immense. Rains cause ponding condition and water stress is experienced at later stages of crop growth. Around 21 percent and 12 percent population spreading in 1089 villages belongs to SC and ST categories respectively. Major crops are sorghum, groundnut, pearl millet, Green gram, Black gram, mustard, wheat, barley, gram, spices & vegetables in that order having wide realizable yield gaps. Cows and bullocks (2.5 Lac), buffaloes (3.10 Lac) sheep (2.54 Lac) goats (3.93 Lac) constitute the major bulk of cattle wealth in the district. The district has seven broad farming situations and micro-farming situation based on soils, rainfall and irrigation facilities. **Rain fed-Coarse Texture Soil (R-CT):** Areas adjoining Jaipur district have rainfall between 444-688 mm with low available water holding capacity promises cultivation of one crop in a year during Kharif. This situation can be taken as Sorghum / Pearl millet and Kharif pulses belt. **Rain fed medium Texture Soil (R-MT):** Major area of the district has rainfall of 516-670 mm with water holding capacity of medium Texture Soil being 6.38 to 17.86 cm m^{-1} in the plough layer and permit conservation of moisture in the monsoon. Sorghum is primary with Pearl millet as next major crop during Kharif followed by Seas mum, Black gram bean. During Rabi Chick pea, Mustard, Barley and wheat are grown on Conserved soil moisture. Now Pearl millet is replacing Sorghum due to limited rains. Sheep rearing is important in the farming situation. **Irrigated-Coarse Texture Soil (I-CT):** This situation frequently intercepts the rainfall Coarse Textured situation in cropping pattern but permits 200 or higher cropping intensity and productivity of crops, spices, vegetables and fruits are also grown. **Irrigated-Medium Texture Soil (I-MT):** Comparatively small farming situations intercept Rain fed medium Texture Soils. It receives irrigation both from wells and tanks / canals. In addition to Sorghum and Pearl millet, in the region Maize and Cotton are also grown. Cultivation of vegetables in pockets is followed. **Tank-bed and River-bed farming (TB-RB):** The district has some large, natural tanks and seasonal Rivers. Farmers grow Wheat, Barley, Chick Pea and Mustard. During Rabi and summer vegetables in their beds after receding of water. **Brackish irrigation area:** In the district 25-50 percent of wells supply brackish water. Either Rain fed crops are grown or fields are left fallow for leaching of salts with rain water. Mustard, Wheat and Barley are grown during Rabi season.	

Major constraints to agricultural production are:

- ✓Limited irrigation facilities.
- ✓Low and degraded plant nutrient status of soils.
- ✓Low productivity of land based enterprises crops and livestock.
- ✓Poor reach and access of farmers to scientific farming including livestock rising.
- ✓Disease and pest infestation in major crops

2.3 Soil type

S.No.	Soil type	Characteristics	Area (000'ha)
1	Deep brown loamy soils	It is intermediate in texture between the clays and sandy soils. It is medium loamy textured soils, dark to light brown colour, more soil depth (> 1m) and clay content up to 35 %. Average nutrient and water holding capacity and fairly resistant to drought.	350.2
2	Medium brown loamy soils	It is intermediate in texture between the clays and sandy soils. It is medium loamy textured soils, dark to light brown colour, medium soil depth (50-100 cm), clay content up to 35%. Average nutrient and water holding capacity and fairly resistant to drought.	319.5
3	Red gravelly loam hilly soils	It is loamy gravelly textured soil, dark to light red colour and clay content up to 35 %. Average nutrient and water holding capacity and suitable for dry land farming.	28.9
4	Deep dark brown sandy soils	It is deep soil (> 1 m), light to dark yellowish brown colour, less clay content (< 15 %). Low nutrient and water holding capacity and not suitable for dry land farming.	19.4

2.4. Area, Production and Productivity of major crops cultivated in the district (2022)

S. No.	Crop	Area (ha)	Production (MT.)	Productivity (Kg/ha)
Kharif 2022				
1	Black gram	54990	23661	430
2	Green gram	75966	35309	464
3	Sorghum	86303	63347	734
4	Pearlmillet	53996	77120	1428
5	Seasmum	7221	2022	280
6	Groundnut	20237	26207	1295
7	Maize	6688	9328	1394
8	Other Crops	8530	-	-
Rabi 2022-23				
9	Mustard	300225	-	-
10	Chick pea	58595	-	-
11	Wheat	50630	-	-
12	Barley	7810	-	-

* Source (Statistical Data 2022-23): Department of Agriculture (GoR)

2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January, 2022	0	26.8	4.5	-	-
February, 2022	0	31.4	8.3	-	-
March, 2022	0	42.2	11.5	-	-
April, 2022	0	45.2	19.6	-	-
May, 2022	0	47.5	21.5	-	-
June, 2022	70.78	45.2	24.3	-	-
July, 2022	313.89	37.4	23.8	-	-
August, 2022	320.34	36.5	25.0	-	-
September, 2022	71.33	36.2	24.6	-	-
October, 2022	17.77	36.4	15.2	-	-
November, 2022	0	37.0	9.8	-	-
December, 2022	0	28.4	4.6	-	-
Total	**794.11**	**-**	**-**	**-**	**-**

2.6. Production and productivity of Livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle	227674		
Buffalo	391599	5.50 lpd	
Sheep	200694	1.50Kg/Year	
Goats	375827	0.70 lpd	
Pigs	10820	-	
Rabbits	393	-	
Camel	789	-	
Poultry (Hens)	49122	-	
Total	**12,56,918**	**-**	

Category	Population	Production	Productivity
Cattle			
Crossbred			
Indigenous			
Buffalo			
Sheep			
Crossbred			
Indigenous			
Goats			
Pigs			
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens			
Desi			
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (2022)

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Newai & Peeplu	Newai	Sangrampura	Mustard, Wheat, Green gram, Sorghum, Black gram, Groundnut, Pearl millet, Cluster bean, Seasmum & Cow, Buffalo	Limited irrigation facility, Saline-Alkali soils, poor nutrient status, low productivity of crops, access of scientist farming system, low productivity of livestock, poor nutrition and health status of farming community	Suitable for Rain-fed farming
Tonk	Tonk	Ghansdi	Brinjal, Bottle gourd, Chilli, Lady finger, Cauliflower, Tomato & Cow, Buffalo, Goat	Limited irrigation facility, Saline-Alkali soils, poor nutrient status, low productivity of crops, access of scientist farming system, low productivity of livestock, poor nutrition and health status of farming community	Suitable for off season vegetable cultivation
Uniara	Uniara	Ramganj	Mustard, Wheat, Gram, Black gram, Pearl millet & Cow, Buffalo, Goat, Sheep	Good Irrigation facility, Saline-Alkali soils, poor nutrient status, low productivity of crops, access of scientist farming system, low productivity of livestock, poor nutrition and health status of farming community	Suitable for cereal crop
Todaraisingh	Toda	Bhagwanpura	Mustard, Wheat, Green gram, Sorghum, Pearl millet & Cow, Buffalo	Better irrigation facility, Saline-Alkali soils, poor nutrient status, low productivity of crops, access of scientist farming system, low productivity of livestock, poor nutrition and health status of farming community	Suitable for seed production and vegetable cultivation
Deoli	Deoli	Negardia	Mustard, Wheat, Pearl millet, Cucurbits, Cotton, Tomato, Chilli & Cow, Buffalo	Limited irrigation facility, Saline-Alkali soils, poor nutrient status, low productivity of crops, access of scientist farming system, low productivity of livestock, poor nutrition and health status of farming community	Suitable for IFS cultivation
Malpura	Malpura	Kutka	Green gram, Black gram, Chickpea, Cumin, Mustard, Cow, Buffalo	Limited irrigation facility, Saline-Alkali soils, poor nutrient status, low productivity of crops, access of scientist farming system, low productivity of livestock, poor nutrition and health status of farming community	Suitable for Rain-fed farming

2.8 Priority/thrust areas (2022)

S. No.	Crop/ Enterprise	Thrust area
1	Green gram, Black gram, Groundnut, Seasmum, Mustard, Chickpea, Wheat, Barley	Improved agronomic techniques
2	Green gram, Black gram, Groundnut, Seasmum, Mustard, Chickpea, Wheat, Barley, Vegetables	Integrated nutrient management
3	Vermicompost, Waste decomposer	Promote organic farming
4	Saline and Alkaline Soils	Reclamation and management of soils
5	Pulses, Cereals, Oilseed, Fruit & Vegetables	Integrated pest and diseases management
6	Off season vegetables, Strawberry	Protected cultivation
7	Livestock Management	Sheep and goat rearing
8	Agri-preneurship development	Promotion of Self Help Groups (SHG)
9	Develop rural craft	Empowerment of farm women
10	Water Conservation & Drip Irrigation	Promotion of rain water harvesting
11	Broccoli, Strawberry	Crop diversification
12	Income and employment generation	Mushroom cultivation
13	Pulses, Cereals, Oilseed, Fruit & Vegetables	Quality seed and planting material
14	Pulses, Cereals, Oilseed, Fruit & Vegetables	Low cost production techniques
15	Cattles, Sheep and Goat Rearing	Scientific dairy farming
16	Green gram, Black gram, Groundnut, Seasmum, Mustard, Chickpea, Wheat, Barley, Vegetables	Natural Farming

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2022

1. OFT (Technology Assessment)				
Number of OFTs			Total no. of Trials	
Targets	No.	Achievement	Targets	Achievement
Agronomy	02	20	01	10
Horticulture	02	20	02	20
Soil Science	05	50	05	50
PP	-	-	-	-
LPM	-	-	-	-
Home Sci.	02	20	01	10

2. FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)				
	Area in ha		Number of Farmers	
	Targets	Achievement	Targets	Achievement
Kharif 2022				
Green gram (CFLD)	20	21	50	42
Black gram (CFLD)	20	20.8	50	52
Groundnut (CFLD)	20	-	50	-
Seasmum (CFLD)	10	10	25	20
Hand Wheel Hoe Weeder	01	01	10	10
Papaya	01	01	10	10
Kitchen Garden	01	01	40	54
Pearl millet (Bio-fortified)	20	25	40	50
Groundnut Decorticator	01	01	10	10
Rabi 2021-22				
Chickpea (CFLD)	10	10	25	20
Chickpea (INM)	02	02	10	10
Chickpea (DFI)	10	10	20	20
Mustard (CFLD)	20	20	50	45
Mustard (TSP)	10	10	25	20
Mustard (DFI)	20	24.5	50	49
Mustard (INM)	02	02	10	10
Mustard (CS-60)	10	10	25	25
Mustard (PM-30)	12	12	120	120
Mustard (PM-31)	12	11.5	50	46
Wheat	05	04	20	16
Wheat (INM)	02	02	10	10
Wheat (HPBW-01)	05	2.8	50	28
Tomato	02	02	10	10
Broccoli (RWSLIP)	02	02	20	20
Button Mushroom	01	01	10	10
Waste Decomposer	01	01	15	15
Walking Tunnel	01	01	05	05
Cabbage (TSP)	05	05	20	20
Watermelon (RWSLIP)	02	02	10	10
Bitter gourd (TSP)	05	05	20	20
Rabi 2022-23				
Mustard (CFLD)	70	70	175	140
Chickpea (CFLD)	40	40	100	80
Mustard (PM-30)	25	21	125	105
Wheat (HPBW-01)	05	05	50	50
Kitchen Garden	02	1.82	80	73
Onion	02	02	20	16
Water Melon	05	05	20	20
Bottle gourd	05	05	20	20
Cluster bean	05	05	20	20
Green gram (Zaid)	05	05	20	20
Goatry (Sirohi)	27	27	12	12

3. Training*				
Number of Courses			Number of Participants	
Clientele	Targets	Achievement	Targets	Achievement
Farmers	40	46	1000	1115
Rural youth	02	02	50	45
E.F.	03	03	45	55
Sponsored	10	06	300	133
Vocational	02	02	50	50
Skill Training	01	-	20	-
Total	**58**	**59**	**1465**	**1398**

*** Including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)**

4. Extension Activities				
Number of activities			Number of participants	
Targets	No.	Achievement	Targets	Achievement
Advisory Service	60	51	25000	21859
Diagnostic visits	15	12	30	205
Field Day	08	05	400	529
Group discussions	50	36	1000	739
Kisan Ghosthi	10	11	1000	1256
Film Show	30	24	1000	2392
Self – Help groups	04	02	100	45
Kisan Mela	01	02	1000	1294
Exhibition	05	06	5000	32808
Scientists' visit to farmers field	60	48	1200	1001
Animal health camps	02	02	100	70
Farm Science Club meet	01	01	25	44
Ex-trainees Sammelan	02	01	60	55
Farmers' Seminar	04	06	200	637
Method Demonstrations	30	23	600	980
Important Days	10	09	500	364
Special Day Celebration	10	05	500	612

			Exposure Visits	05	02	250	167
			Other (JSA)	03	03	150	170
5. Seed Production (Qtl.)			**6. Planting material (Nos.)**				
Target	**Achievement**	**Distributed to no. of farmers**	**Target**	**Achievement**	**Distributed to no. of farmers**		
600.0	618.47	1131	200000	88694	1228		

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	Guava	Assessment of foliar application of Zinc & Boron on Guava	10	10
	Groundnut	Assessment on Nut Magic bio formulation in Groundnut	10	10
	Green gram	Assessment on TNAU pulse wonder in Green gram	10	10
	Chickpea	Assessments of Customized fertilizer in Chickpea	10	10
Varietal Evaluation	Wheat	Assessment of Wheat varieties in Tonk district	10	10
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology (NRM)	Tomato	Assessment of management of fruit drop in Tomato	10	10
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
P.H.T./ Value addition				
Drudgery Reduction				
Storage Technique				
Nutrition Management	Aonla	Assessment of Intake of Aonla Juice Hemoglobin level of Adolescent girl in District	10	10
Others (Stress Management)	Wheat	Assessment of foliar application of potassium in Wheat.	10	10
Others (Stress Management)	Mustard	Assessment of foliar application of potassium nitrate in Mustard.	10	10
		Total	**90**	**90**

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management	-	-	-	-
Evaluation of Breeds	-	-	-	-
Feed and Fodder management	-	-	-	-
Nutrition Management	-	-	-	-
Production and Management	-	-	-	-
Others (Pl. specify)	-	-	-	-
		Total	-	-

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers

Note: Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with 50*5 = 250 trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

AGRONOMY

VARIETAL ASSESSMENT

Problem definition: Low yield of Wheat due to old existing varieties.
Technology Assessed: Assessment of DBW-187 and DBW-222 wheat variety.

Wheat is main crop of Tonk district and covering 50000 ha area. Low yield of Wheat due to old existing varieties using by the farmers in the district. Wheat varieties viz. DBW-187 and DBW-222 developed by ICAR-IIWBR, Karnal in 2020. KVK is assessing improved Wheat varieties DBW-187 and DBW-222 in Tonk district with irrigated conditions with seed rate –100 kg./ha, Line sowing, Fertilizer application as per soil test result NPK-120:60:40. DBW-187 and DBW-222 wheat varieties are High input responsive wheat variety for early sowing condition. Technical, economic parameter to be observed with farmers' feedback.

Table: Assessment of DBW-187 and DBW-222 wheat variety

Treatment		No. of Trials	Yield (q/ha)	No of tillers /plant	No of eff. tillers / plant	Height of Plant (cm)	Ear length (cm)	No. of grains/ ear head	% yield Increased	Cost of cultivation	Gross Return (Rs/ ha.)	Net return (Rs/ha.)	B:C ratio
Farmer practices	T_1	10	-	-	-	-	-	-	-	-	-	-	-
Technology Assessed	T_2		-	-	-	-	-	-	-	-	-	-	-

HORTICULTURE

INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Low yield of Fruit drop in guava due to Boron and Zinc deficiency.
Technology Assessed: Assessment of foliar application of Zinc & Boron on Guava.

Guava is an important fruit crop in Tonk district covering 1800 ha area. Fewer yields due to fruit drop due to deficiency of Boron and Zinc is the main problem of farmers in the district. KVK is assessing application of foliar spray of 0.4% $ZnSo_4$ + 0.2% Borax during fruit growth at monthly interval in guava which is developed by ICAR-CISH, Lucknow in 2017. Technical, economic parameter to be observed with farmers' feedback.

Table: Assessment of foliar application of Zinc & Boron on Guava

Technology		Area (ha)	No. of Trials/ Farmer	Yield (q./ha)	Fruit weight (gm)	Fruit yield / Plant (kg)	Cost of Cultivation	Gross Return (Rs./ha)	Net Return (Rs/ha.)	B:C Ratio
Farmer Practice	T_1	1.0	10	159.27	115.5	57.5	65800	246868	181068	3.75
Technology Assessed	T_2			183.15	130.5	66.12	66800	283882	217082	4.24
*Selling Price of Guava: Rs.15.0 /kg. *7th year cost of cultivation, Plant Spacing 6x6m.										

HORTICULTURE

VEGETABLE PRODUCTION

Problem definition: Low productivity of Tomato.
Technology Assessed: Assessment of management of fruit drop in Tomato.

Guava is an important fruit crop in Tonk district covering 1800 ha area. Fewer yields due to fruit drop due to deficiency of Boron and Zinc is the main problem of farmers in the district. KVK is assessing application of foliar spray of 0.4% $ZnSo_4$ + 0.2% Borax during fruit growth at monthly interval in guava which is developed by ICAR-CISH, Lucknow in 2017. Technical, economic parameter to be observed with farmers' feedback.

Table: Assessment of management of fruit drop in Tomato

Technology		No. of Trials/ Farmer	Yield (t./ha)	No. of Fruit/ Plant	Avg. Fruit diameter (cm)	Cost of Cultivation	Gross Return (Rs./ha)	Net Return (Rs/ha.)	B:C Ratio
Farmer Practice	T_1	10	-	-	-	-	-	-	-
Technology Assessed	T_2		-	-	-	-	-	-	-

SOIL SCIENCE

INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Low yield of groundnut due to less use of nutrients.
Technology Assessed: Assessment on Nut Magic bio formulation in Groundnut

Groundnut is an important crop of Tonk district and covering **14000** ha area. Low yield of groundnut is main problem due to less use of nutrients. KVK, Tonk has assessed new technology Nut Magic bio formulation developed by DGR, Junagarh, in which seed treatment was done with Nut Magic bio formulation @ 10 ml/kg seed + NPK@STFR basis (N-25, P-50, K- 30 kg/ha) in groundnut. NutMagic is a consortium of PGPR, PSB and rhizobia ((PGPR; PSB; and rhizobia and Rhizobium sp.) for improvement of soil health and nutrient mobilization and uptake (P, K, N, Fe, Zn, etc.). The crop sequence was Wheat- Groundnut and Rainfed, Sandy Loam soil condition of the farming situation. Result of assessment shows that 21.30 q/ha yield from T_2 treatment followed by 18.45 q/ha from farmers practice was observed and 15.44 % yield was increased over farmers practice. Rs. 83165 net return per ha with B:C ratio 3.37 and Rs 67747 per ha with B:C ratio 2.95 was recorded from assessment and farmer practice respectively. Farmers get additional return around Rs.15418 per ha.

Table: Assessment on Nut Magic bio formulation in Groundnut in Kharif 2022

Treatment		No. of Trials	Yield (q/ha)	No. of branches /plant	No. pod /plant	% yield Increased	Cost of cultivation	Gross Return (Rs/ha.)	Net return (Rs/ha.)	B:C ratio
Farmer practices	T_1	10	18.45	6.08	22.08	-	34650	102397	67747	2.95
Technology Assessed	T_2		21.30	6.99	25.48	15.44	35050	118215	83165	3.37

INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Low yield of Green gram due to nutrient deficiency and flower shading.
Technology Assessed: Assessment on TNAU pulse wonder in Green gram.

Green gram is an important crop of Tonk district and covering **54000** ha area. Low yield of green gram is main problem due to nutrient deficiency and flower shading. KVK, Tonk has assessed new technology TNAU pulse wonder developed by TNAU, Tamilnadu, in which use of foliar application of TNAU pulse wonder@ 5 kg/ha at peak flowering stage was done + application of NPK @ STFR basis (N-25, P-40, K- 22 kg/ha) in green gram. The crop sequence was Mustard- Green gram and Rainfed, clay Loam soil condition of the farming situation. Result of assessment shows that 6.85 q/ha yield from T_2 treatment followed by 5.94 q/ha from farmers practice was observed and 15.31 % yield was increased over farmers practice. Rs. 31623 net return per ha with B:C ratio 2.73 and Rs 26093 per ha with B:C ratio 2.52 was recorded from assessment and farmer practice respectively. Farmers get additional return around Rs.5530 per ha.

Table: Assessment on TNAU pulse wonder in Green gram in Kharif 2022

Treatment		No. of Trials	Yield (q/ha)	No. of branches /plant	No. pod /plant	% yield Increased	Cost of cultivation	Gross Return (Rs/ha.)	Net return (Rs/ha.)	B:C ratio
Farmer practices	T_1	10	5.94	6.90	16.60	-	17120	43213	26093	2.52
Technology Assessed	T_2		6.85	7.96	18.86	15.31	18210	49833	31623	2.73

STRESS MANAGEMENT

Problem definition: Low yield of mustard due to terminal drought.
Technology Assessed: Assessment of foliar application of potassium nitrate in Mustard

Mustard is an important crop of Tonk district and covering **235000** ha area. Low yield of mustard is main problem due to improper nutrient management and terminal drought. KVK, Tonk has conducted On Farm Testing on foliar application of potassium nitrate in mustard. NPK @ STFR basis (N-100, P_2O_5-50, K_2O- 30 kg/ha) + 1 % KNO_3 at 50% flowering stage and 50 % at siliqua filling stage were applied in mustard. The crop sequence was Pearl Millet–Mustard and Irrigated Sandy Loam soil condition of the farming situation. Result of assessment shows that 18.47 q/ha yield from T_2 treatment followed by 16.05 q/ha from farmers practice was observed and 15.07 % yield was increased over farmers practice. Rs. 74438 net return per ha with B:C ratio 3.94 and Rs 62570 per ha with B:C ratio 3.59 was recorded from assessment and farmer practice respectively. Farmers get additional return around Rs.12868 per ha.

Table: Assessment of foliar spray of potassium nitrate in Mustard in Rabi 2021-22

Treatment		No. of Trials	Yield (q/ha)	No. of branches /plant	No. siliqua /plant	% yield Increased	Cost of cultivation	Gross Return (Rs/ha.)	Net return (Rs/ha.)	B:C ratio
Farmer practices	T_1	10	16.05	8.36	279.0	-	24100	86670	62570	3.59
Technology Assessed	T_2		18.47	9.29	307.0	15.07	25300	99738	74438	3.94

INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Low yield of Chickpea due to imbalance use of fertilizers
Technology Assessed: Assessments of Customized fertilizer in Chickpea

Chickpea is an important crop of Tonk district covering **70000 ha** area. Problem was observed, low yield of Chickpea due to imbalance use of fertilizers and farmers are also not using any customized fertilizer. KVK, Tonk is assessing new technology developed by ICAR-IIPR, Kanpur in 2019 in which Soil application of customized fertilizer in 5.5:4.6:4.5:8.3:1.4:0.8:0.08:0.034 ratio of N: P: K: S: Zn: Fe: B: Mo. NPK in chickpea, customized fertilizers with carrier to multi-nutrients manufactured through a systematic process is a boon to realize higher crop productivity. Technical, economic parameter to be observed with farmers feedback. Result of assessment shows that 21.30 q/ha yield from T_2 treatment followed by 17.40 q/ha from farmers practice was observed and 22.41 % yield was increased over farmers practice. Rs. 83030 net return per ha with B:C ratio 4.24 and Rs 61240 per ha with B:C ratio 3.22 was recorded from assessment and farmer practice respectively. Farmers get additional return around Rs.21790 per ha.

Table: Assessments of Customized fertilizer in Chickpea in Rabi 2021-22

Treatment		No. of Trials	Yield (q/ha)	No. of branches /plant	No. pod /plant	% yield Increased	Cost of cultivation	Gross Return (Rs/ha.)	Net return (Rs/ha.)	B:C ratio
Farmer practices	T_1	10	17.4	13	68		27500	88740	61240	3.22
Technology Assessed	T_2		21.3	17	85	22.41	25600	108630	83030	4.24

STRESS MANAGEMENT

Problem definition: Low yield due to salinity and moisture stress condition.
Technology Assessed: Assessment of foliar application of potassium in Wheat.

Wheat is an important crop of Tonk district covering **50000 ha** area. Problem was observed, low yield of wheat due to salinity and moisture stress condition and farmers are also not using any agrochemicals. KVK, Tonk is assessing new technology developed by ICAR- IIWBR, Karnal in 2019 in which Soil test based fertilizers application @ N-150, P_2O_5-60, K_2O- 40 kg/ha + foliar application of potassium @ 2 % at jointing and flowering stage. Foliar application of potassium @ 2.0 % are reduce various kinds of abiotic stresses because play osmotic regulation role in plant. Technical, economic parameter to be observed with farmers feedback.

Table: Assessment of foliar application of potassium in Wheat in Rabi 2022-23

Treatment		No. of Trials	Yield (q/ha)	No of tillers /plant	No of eff. tillers / plant	Ear length (cm)	Test weight (gm)	% yield Increased	Cost of cultivation	Gross Return (Rs/ ha.)	Net return (Rs/ha.)	B:C ratio
Farmer practices	T_1	10	-	-	-	-	-	-	-	-	-	-
Technology Assessed	T_2		-	-	-	-	-	-	-	-	-	-

HOME SCIENCE

INCOME & EMPLOYMENT GENERATION

Problem definition:
Technology Assessed: Assessment of Intake of Aonla Juice Haemoglobin level of Adolescent girl in District

Rural women of Tonk district do not have any employment and income generation opportunities for their livelihood improvement. KVK, Tonk has conducted On Farm Testing on mushroom cultivation to utilize backyard space and provide sustainable income and employment opportunities to rural women within the district. Results of On Farm Testing showed that 1.5 kg mushroom per bag was recorded. Gross return per bag was Rs. 120 and net profit was Rs. 80 per bag in 45 days. If any rural women will start mushroom cultivation with 100 bags, they can get around Rs. 8000 in only 45 days.

Table: Intake of Aonla Juice Haemoglobin level of Adolescent girl in Rabi 2021-22

Technology assessed	No. of trials	Yield	Gross cost	Gross return (Rs/ha.)	Net return (Rs/ha.)	B:C Ratio
T1: Farmer practice	10	-	-	-	-	-
T2: Demonstration		-	-	-	-	-

II. FRONTLINE DEMONSTRATION

3. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2021 and recommended for large scale adoption in the district

S. No.	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Kharif 2021							
Pulses							
1	Green gram	ICM	1. Var. IPM 205-7 (VIRAT), Seed rate 15 kg/ha, Line sowing - spacing (30 x 10 cm), 2. Seed treatment - Vitavax power @ 2gm/kg seed, Imidacloprid 600FS @ 5ml/kg seed and NPK consortia @10 ml/kg seed, 3. Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM, 4. Fertilizer application – Soil test based fertilizers application @ (N-25:P-40) kg/ha, Zinc sulphate @ 25 kg/ha as basal dose, 5. Weed management - Application of Pendamethilin 30 EC @ 1.0 litre a.i. /ha as pre-emergence, 6. Plant Protection- Acephate @ 1.0 Kg/ha	Farmer field visit, Farmers meeting, Demonstration, Training, Scientific literature, Farmer-Scientist Interaction, Kisan Ghosthi, Group discussion, Field Day.	29	355	152
2	Black gram	ICM	1. Var. Pratap Urd-1, Seed rate 20 kg/ha, Line sowing spacing (30 x 10 cm), 2. Seed treatment- Vitavax power@ 2 gm/kg seed, Imidacloprid 600FS@ 5ml/kg seed and NPK consortia @10ml/kg seed, 3. Soil treatment - with NPK consortia@1 litre/ha with 80-100 kg FYM. 4. Fertilizer application- Soil test based fertilizers @ (N-25:P-40) kg/ha + Zinc sulphate @ 25kg/ha as basal, 5. Weed management – Application of Pendamethilin 30 EC @ 1.0 litre a.i. /ha as pre-Emergence, 6. Plant Protection - Acephate @ 1.0 Kg/ha.	Farmer field visit, Farmers meeting, Demonstration, Training, Scientific literature, Farmer-Scientist Interaction, Kisan Ghosthi, Group discussion, Field Day.	28	560	280
Oilseed							
1	Seasmum	ICM	1. Var. RT-351, Seed rate 4 kg/ha, Line sowing – spacing (30 x 15 cm), 2. Seed treatment - Carbendezim 50WP @ 2.5gm/kg of seed, Imidacloprid 600FS @ 3ml/kg of seed and NPK consortia @10ml/kg of seed, 3. Soil treatment- with NPK consortia @1 litre/ha with 80-100 kg FYM, 4. Fertilizer application- Soil test based fertilizers @ (N-60:P-30) kg/ha + Zinc sulphate @ 25 kg/ha as basal, 5. Weed management – Application of Pendamethilin 30 EC@ 0.50	Farmer field visit, Farmers meeting, Demonstration, Training, Scientific literature, Farmer-Scientist Interaction, Kisan Ghosthi, Group discussion, Field Day.	45	796	398

			litre a.i. /ha as pre-emergence				
2	Groundnut	ICM	1. Variety GJG-19, Seed rate - 80 kg./ha, Line sowing - spacing (30 x 10 cm.), 2. Seed treatment - Vitavax power @2 gm/kg of seed, Fipronil 5 SC@ 5 ml/kg of seed, NPK consortia @ 10 ml/kg of seed, 3. Soil Treatment with NPK consortia @ 1.0 litre/ha with 80-100 kg FYM, 4. Fertilizer Application - Soil test based fertilizer application @(N-25: P-50) kg/ha and Zinc Sulphate @ 25 kg/ha as basal, 5. Weed Management - Application of Pendamethilin 30 EC @ 1.0 litre/ha as pre-emergence	Farmer field visit, Farmers meeting, Demonstration, Training, Scientific literature, Farmer-Scientist Interaction, Kisan Ghosthi, Group discussion, Field Day.	23	430	95
Rabi 2021-22							
Pulses							
1	Chickpea	ICM	1. Var. GNG-2144, Seed rate 70 kg/ha, Line sowing - spacing (30x10 cm), 2. Seed treatment- Vitavax power @ 2 gm/kg seed, Fipronil 5 SC @ 6ml/kg seed and NPK consortia @10 ml/kg seed, 3. Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM, 4. Fertilizer application – Soil test based fertilizers application @ (N-25: P-40) kg/ha, Zinc @ 5 kg/ha	Farmer field visit, Farmers meeting, Demonstration, Training, Scientific literature, Farmer-Scientist Interaction, Kisan Ghosthi, Group discussion, Field Day.	62	620	310
Oilseed							
1	Mustard	ICM	1. Var. GIRIRAJ, Seed rate 4 kg/ha, Line sowing - spacing (45 x 15 cm), 2. Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed, 3. Soil treatment with NPK consortia @ 1 ltr./ha with 80-100 kg FYM, 4. Fertilizer application – Soil test based fertilizers application @ (N-100: P-50) kg/ha, Sulphur @ 25 kg/ha, Zinc 33% @ 15 kg/ha as basal dose, 5. Plant Protection- Fenvelrate dust 0.4%@ 25 kg/ha	Farmer field visit, Farmers meeting, Demonstration, Training, Scientific literature, Farmer-Scientist Interaction, Kisan Ghosthi, Group discussion, Field Day.	1003	48232	35116

**** Thematic areas as given in Table 3.1 (A1 and A2)***

4. Details of FLDs implemented during 2022 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
Kharif 2022										
Pulses										
1	Green gram	ICM	1. Var. IPM 205-7 (VIRAT), Seed rate 16 kg/ha, Line sowing - spacing (30 x 10 cm), 2. Seed treatment- Vitavax power @ 2.5 gm/kg seed, Fipronil 5SC@ 5ml/kg seed and NPK consortia @10 ml/kg seed, 3. Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM, 4. Fertilizer application – Soil test based fertilizers application @ (N-25:P-40) kg/ha + Zinc sulphate @ 15 kg/ha as basal dose, 5. Weed management - Application of Pendamethilin 30EC@ 3 litre/ha as Pre-emergence, 6. Plant Protection - Acephate 75WP@ 1.0 Kg/ha	Kharif 2022	20.0	21.0	-	-	42	-
2	Black gram	ICM	1. Var. Pratap Urd-1, Seed rate 20 kg/ha, Line sowing - spacing (30 x 10 cm), 2. Seed treatment - Vitavax power@ 2.5 gm/kg seed, Fipronil 5SC@ 5ml/kg seed and NPK consortia @10 ml/kg seed, 3. Soil treatment with NPK consortia@1 ltr./ha with 80-100 kg FYM, 4. Fertilizer application – Soil test based fertilizers application@ (N-25:P-40) kg/ha + Zinc sulphate @ 15 kg/ha as basal dose, 5. Weed management - Application of Pendamethilin 30 EC@ 3.0 litre/ha as Pre-emergence, 6. Plant Protection - Acephate 75WP@ 1.0 Kg/ha	Kharif 2022	20.0	20.8	-	-	52	-
Oilseed										
1	Seasmum	ICM	1. Var. RT-351, Seed rate 5 kg/ha, Line sowing – spacing (30 x 15 cm), 2. Seed treatment- Carbendezim 50WP @ 2.5gm/kg of seed, Imidacloprid 600FS @ 5ml/kg of seed and NPK consortia @10ml/kg of seed, 3. Soil treatment- with NPK consortia @1 litre/ha with 80-100 kg FYM,	Kharif 2022	10.0	10.0	-	-	20	-

			4. Fertilizer application - Soil test based fertilizers @ (N-60:P-30) kg/ha + Zinc sulphate @ 25 kg/ha as basal, Sulphur @ 25 kg/ha as basal, 5. Weed management– Application of Pendamethilin 30EC@ 1.5 litre/ha as pre-emergence							
Rabi 2022-23										
Pulses										
1	Chickpea	ICM	1. Var. CSJ-515, Seed rate 60 kg/ha, Line sowing - spacing (45 x 15 cm), 2. Seed treatment- Vitavax power @ 2 gm/kg seed, Fipronil 5 SC @ 5ml/kg seed and NPK consortia @10 ml/kg seed, 3. Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM, 4. Fertilizer application – Soil test based fertilizers application @ (N-25: P-40) kg/ha, Zinc Sulphate@ 15 kg/ha	Rabi 2022-23	40.0	40.0	-	-	80	-
Oilseed										
1	Mustard	ICM	1. Var. GIRIRAJ, Seed rate 4 kg/ha, Line sowing - spacing (45 x 15 cm), 2. Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed, 3. Soil treatment with NPK consortia @ 1 ltr./ha with 80-100 kg FYM, 4. Fertilizer application – Soil test based fertilizers application @ (N-100: P-50) kg/ha, Sulphur @ 40 kg/ha, Zinc 33% @ 15 kg/ha as basal dose, 5. Plant Protection- Fenvelrate dust 0.4%@ 25 kg/ha	Rabi 2022-23	70.0	70.0	-	-	140	-

Details of farming situation (2022)

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Green gram	Kharif 2022	Rain-fed	Sandy Loam	196.5	13.2	336.0	Mustard	1st Week July	1st Week September	794.11	-
Black gram	Kharif 2022	Rain-fed	Clay Loam	229.9	16.0	403.2	Mustard	1st Week July	3rd Week September	794.11	-
Seasmum	Kharif 2022	Rain-fed	Sandy Loam	196.5	17.0	349.4	Chickpea	1st Week July	3rd Week September	794.11	-
Chickpea	Rabi 2022-23	Irrigated	Clay Loam	217.2	16.6	335.3	Seasmum	4th Week October	-	794.11	-
Mustard	Rabi 2022-23	Irrigated	Clay Loam	232.0	18.7	389.8	Fallow	3rd Week October	-	794.11	-

Technical Feedback on the demonstrated technologies

S.No.	Feed Back
1	Farmers were satisfied with technology demonstrated by KVK after increased the yield and agreed to utilize same technology in future.

Farmers' reactions on specific technologies

S.No.	Feed Back
1	Farmers were satisfied with integrated approach of crop management after increased the yield and agreed to application of all inputs in future for better crop production.

Extension and Training activities under FLD

S.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	3	28.8.2022, 12.9.2022, 14.9.2022	318	-
2	Farmers Training	5	18.6.2022. 21.6.2022, 27.6.2022, 19.9.2022 and 28.9.2022	334	-
3	Media coverage	25	-	Mass	-
4	Training for extension functionaries	5	19.6.2022, 23.6.2022, 29.6.2022, 23.9.2022 and 30.9.2022	75	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Rabi 2021-22																		
Mustard CFLD	ICM	Var. GIRIRAJ, Seed rate 4 kg/ha, Line sowing - spacing (45 x 15 cm), Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed, Soil treatment with NPK consortia @ 1 ltr./ha with 80-100 kg FYM, Fertilizer application – Soil test based fertilizers application @ (N-100: P-50) kg/ha, Sulphur @ 25 kg/ha, Zinc 33% @ 15 kg/ha as basal dose, Plant Protection- Fenvelrate dust 0.4%@ 25 kg/ha	GIRIRAJ	45	20.0	23.8	19.4	21.26	17.4	22.18	25400	138190	112790	5.44	27200	113100	85900	4.16

Mustard FLD – TSP	ICM	Var. GIRIRAJ, Seed rate 4.0 kg/ha, Line sowing – spacing (45 x 15 cm), Seed treatment - Carbendazim 2.5 gm/kg, Imidacloprid 600 FS 5 ml/kg, NPK consortia10 ml/kg seed, Soil treatment with NPK consortia 1 ltr./ha with 80-100 kg FYM, Fertilizer application –Soil test based fertilizers application (N-100: P-50) kg/ha, Sulphur 40 kg/ha + Zinc 5kg/ha+ Boron 1kg/ha as basal dose. Plant Protection – Fenvelrate dust 0.4% 25 kg/ha	GIRIRAJ	20	10.0	24.2	19.5	21.4	18.2	17.58	25400	139100	113700	5.47	27200	118300	91100	4.34

Mustard DFI	ICM	Var. GIRIRAJ, Seed rate 4 kg/ha, Line sowing – spacing (45 x 15 cm), Seed treatment – Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM Fertilizer application – Soil test based fertilizers application @ (N-100: P-50) kg/ha + Sulphur @ 40 kg/ha +Zinc @ 5 kg/ha +as basal dose. Plant Protection- Fenvelrate dust 0.4% @ 25 kg/ha	GIRIRAJ	49	24.5	22.47	18.57	21.85	17.56	24.43	22200	117990	95790	5.31	24300	94824	70524	3.90
Kharif 2022																		
Groundnut	ICM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sesamum CFLD	ICM	Var. RT-351, Seed rate 5 kg/ha, Line sowing – spacing (30 x 15 cm), Seed treatment- Carbendezim 50WP @ 2.5gm/kg of seed, Imidacloprid 600FS @ 5ml/kg of seed and NPK consortia @10ml/kg of seed, Soil treatment- with NPK consortia @1 litre/ha with 80-100 kg FYM, Fertilizer application- Soil test based fertilizers @ (N-60:P-30) kg/ha + Zinc sulphate @ 25 kg/ha as basal, Sulphur @ 25 kg/ha as basalWeed management– Application of Pendamethilin 30EC@ 1.5 litre/ha as pre-emergence	RT-351	20	10.0	5.25	4.0	4.7	3.4	38.24	15700	36801	21101	2.34	14500	26622	12122	1.84
Rabi 2022-23																		

Mustard CFLD	ICM	Var. GIRIRAJ, Seed rate 4 kg/ha, Line sowing - spacing (45 x 15 cm), Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed, Soil treatment with NPK consortia @ 1 ltr./ha with 80-100 kg FYM, Fertilizer application – Soil test based fertilizers application @ (N-100: P-50) kg/ha, Sulphur @ 40 kg/ha, Zinc 33% @ 15 kg/ha as basal dose, Plant Protection- Fenvelrate dust 0.4%@ 25 kg/ha	GIRIRAJ	140	70.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Mustard	INM	NPK @ STFR basis + KNO_3 1 % at 50% at flowering stage and 50% at siliqua filling stage.	GIRIRAJ	10	02	21.57	18.42	19.99	17.03	17.38	25900	129935	104035	5.01	26800	110695	83895	4.13
Mustard	ICM	Mustard Variety CS-60, Seed rate 4 kg/ha, Line sowing spacing (45 x 15 cm)	CS-60	25	10	18.85	16.57	17.71	14.86	19.17	25600	115515	89515	4.51	27400	96590	69190	3.52

Mustard	ICM	Biofortified Mustard variety Pusa Mustard-30 Seed rate- 4 kg/ha, Spacing (R x P- 45 x15 cm),Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed,Fertilizer application as per soil test result	PM-30	120	12	20.43	17.62	19.02	16.85	12.87	25600	123630	98030	4.82	26300	109525	83225	4.16
Mustard	ICM	Biofortified Mustard variety Pusa Mustard-31, Seed rate- 4 kg/ha, Spacing (R x P- 45 x15 cm) Seed treatment- Carbendazim @ 2.5 gm/kg seed, Imidacloprid 600FS @5 ml/kg seed and NPK consortia @10 ml/kg seed Fertilizer application as per soil test result	PM-31	46	11.5	18.97	16.22	17.59	15.83	11.11	25600	114335	88735	4.46	25600	102895	77295	4.01
Toria																		
Linseed																		
Sunflower																		
Soybean																		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Rabi 2021-22																		
Chickpea CFLD	ICM	Var. GNG-2144, Seed rate 70 kg/ha, Line sowing - spacing (30x10 cm), Seed treatment- Vitavax power @ 2 gm/kg seed, Fipronil 5 SC @ 6ml/kg seed and NPK consortia @10 ml/kg seed, Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM, Fertilizer application – Soil test based fertilizers application @ (N-25: P-40) kg/ha, Zinc @ 5 kg/ha	GNG-2144	20	10.0	26.6	21.4	24.3	20.2	20.30	26700	123930	97230	4.64	25200	103020	77820	4.09
Chickpea	INM	STFR (soil test based fertilizers application @ N-25, P_2O_5-40, K_2O- 30 kg/ha + seed treatment (NPK Consortia @ 10 ml/kg seed) + Sulphur 20 kg/ha + Zinc 5 kg/ha + 2 % urea spray (1st spray @70 DAS and 2nd spray after10 days)	CSJ-515	10	2.0	21.75	18.93	20.18	17.52	15.18	24900	102918	78018	4.13	23200	89352	66152	3.85

Chickpea DFI	ICM	Var. CSJ-515, Seed rate 60 kg/ha,+ Line sowing – spacing (30 x 10 cm), Seed treatment – Vitavax power @ 2 gm/kg seed, Fipronil 5 SC @ 6ml/kg seed and NPK consortia @10 ml/kg seed, Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM Fertilizer application – Soil test based fertilizers application @ (N-25: P-40) kg/ha +Zinc @ 5 kg/ha Plant Protection- Pheromone traps 5 /ha and Acephate 75 SP@1kg/ha	CSJ-515	20	10.0	31.30	15.30	24.23	-	100	25100	123573	98473	4.92	-	-	-	-
Kharif 2022																		

Black gram CFLD	ICM	Var. Pratap Urd-1, Seed rate 20 kg/ha, Line sowing - spacing (30 x 10 cm), Seed treatment - Vitavax power@ 2.5 gm/kg seed, Fipronil 5SC@ 5ml/kg seed and NPK consortia @10 ml/kg seed, Soil treatment with NPK consortia@1 ltr./ha with 80-100 kg FYM, Fertilizer application – Soil test based fertilizers application@ (N-25:P-40) kg/ha + Zinc sulphate @ 15 kg/ha as basal dose, Weed management - Application of Pendamethilin 30 EC@ 3.0 litre/ha as Pre-emergence, Plant Protection - Acephate 75WP@ 1.0 Kg/ha	Pratap Urd-1	52	20.8	7.8	5.5	6.76	5.3	27.55	19100	44616	25516	2.34	17500	34980	17480	2.00

Green gram CFLD	ICM	Var. IPM 205-7 (VIRAT), Seed rate 16 kg/ha, Line sowing - spacing (30 x 10 cm), Seed treatment- Vitavax power @ 2.5 gm/kg seed, Fipronil 5SC@ 5ml/kg seed and NPK consortia @10 ml/kg seed, Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM, Fertilizer application – Soil test based fertilizers application @ (N-25:P-40) kg/ha + Zinc sulphate @ 15 kg/ha as basal dose, Weed management - Application of Pendamethilin 30EC@ 3 litre/ha as Pre-emergence, Plant Protection - Acephate 75WP@ 1.0 Kg/ha	IPM 205-7 (VIRAT)	42	21.0	7.4	5.7	6.46	4.5	43.56	18300	50019.75	31719.75	2.73	15800	34897.5	19097.5	2.21
Rabi 2022-23																		
Chickpea CFLD	ICM	Var. GNG-2144, Seed rate 60 kg/ha, Line sowing - spacing (45 x 15 cm), Seed treatment- Vitavax power @ 2 gm/kg seed, Fipronil 5 SC @ 5ml/kg seed and NPK consortia @10 ml/kg seed, Soil treatment with NPK consortia @1 ltr./ha with 80-100 kg FYM, Fertilizer application – Soil test based fertilizers application @ (N-25: P-40) kg/ha, Zinc Sulphate@ 15 kg/ha	CSJ-515	80	40.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Field pea																		

Lentil																			
Horse gram																			

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals (Rabi 2021-22)																			
Rabi 2021-22																			
Wheat	ICM	Biofortified Wheat variety HPBW-01, Seed rate- 100 kg/ha, Spacing (R x R 22.5 x 5 cm),Seed treatment-Vitavax power @ 2 gm/kg seed, Fipronil 5 SC @ 4.5 ml/kg seed and NPK consortia @ 10 ml/kg seed,Fertilizer application as per soil test result	28	2.8	48.6	43.5	46.05	43.02	7.04	-	-	32300	119730	87430	3.70	32300	111852	79552	3.46
Wheat	INM	Soil test based fertilizers application @ N-150, P_2O_5-60, K_2O- 40 kg/ha + seed treatment (NPK Consortia @ 10 ml/kg seed) + Zinc 5 kg/ha.	10	2.0	54.7	48.6	51.65	44.6	15.8	-	-	32300	134290	101990	4.15	32300	115960	83660	3.59
Wheat	ICM	Variety HD-3226, Highly resistant to yellow, brown and black rust, High protein content (12.8%), average yield 55-60 q/ha	16	4.0	65.8	58.5	62.15	47.6	30.56	-	-	32300	161590	129290	5.00	32300	123760	91460	3.83
Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			
Mandua																			
Barley																			
Maize																			
Amaranth																			
Millets																			
Jowar																			

Barnyard millet																		
Finger millet																		
Vegetables																		
Bottle gourd																		
Bitter gourd																		
Cowpea																		
Sponge gourd																		
Petha																		
Tomato (Rabi 2021-22)																		
Tomato Rabi 2021-22	ICM	Variety- Arka Rakshak, Seed rate 350 gm/ha, Nursery raising in October, Transplanting- November (28 days old seedlings), Transplanted on raised bed, Spacing– 60X60 cm, Nutrient management as per soil test based is 05 tonnes / ha:120:100:60 kg/ha.	10	2.0	675.5	625.25	664.8	605.1	9.86	-	-	66500	299160	232660	4.49	73600	272295	198695	3.69
French bean																		
Capsicum																		
Chilli																		
Brinjal																		
Vegetable pea																		
Soft gourd																		
Okra																		
Colocasia																		
Broccoli Rabi 2021-22 (RWSLIP)	ICM	Variety- Saki, Seed rate 350 gm/ha, Nursery raising in First week of November, Transplanting – First week of December (28 days old seedlings), Transplanted on raised bed, Spacing – 45 X 45 cm, Nutrient management as per soil test based N:P:K:B 120:75:40:10 kg/ha	20	2.0	195.7	182.5	190.4	-	-	-	-	88500	456960	364460	5.16	-	-	-	-
Cucumber																		
Onion																		
Coriander																		
Lettuce																		
Cabbage																		

Cauliflower																			
Elephant fruit																			
Flower crops																			
Marigold																			
Bela																			
Tuberose																			
Gladiolus																			
Fruit crops																			
Mango																			
Strawberry																			
Guava																			
Banana																			
Papaya																			
Muskmelon																			
Watermelon																			
Spices & condiments																			
Ginger																			
Garlic																			
Turmeric																			
Commercial Crops																			
Sugarcane																			
Potato																			
Medicinal & aromatic plants																			
Mentholment																			
Kalmegh																			
Ashwagandha																			
Fodder Crops																			
Sorghum (F)																			
Cowpea (F)																			
Maize (F)																			
Lucern																			
Berseem																			
Oat (F)																			

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo																	
Buffalo Calf																	
Dairy																	
Poultry																	
Sheep & Goat																	
Vaccination																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
Composite fish culture																	
Feed Management																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check

FLD on Waste Decomposer

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Technology demonstration				Farmer Practice			
				Day to maturity	EC (ds/m)	pH	OC (%)	Day to maturity	EC (ds/m)	pH	OC (%)
Rabi 2020-21											
Waste Decomposer	Preparation of waste decomposer solution in 200 lit water with 2 kg Gud and adds 1 bottle of waste decomposer and this solution ready in 21 days. 18-20 cm layer of waste or dung were wet with solution of waste decomposer & repeat this process till 30-45 cm height.	15	15	58-80	3.51	7.03	19.22	180-200	3.23	7.11	15.93

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																
Button Mushroom 2021	Cultivation of *Agaricus bisporus For 100 Bags Preparation:* Composting- Wheat straw-500 Kg, Water-1500 lit, Urea-8.5 kg, Calcium Nitrate-10 kg, Super Phosphate-5 kg, Muriate of Potash- 5 kg, Wheat Bran-25 kg, Seera-8.33 kg, Gypsum-50 kg (Eight turnings are done to prepare compost) Spawning- Spawning is done using 0.5 to 0.75% of spawn in compost.,Casing- Once spawn run is completed, 3-4 cm layer of casing is done using FYM and cocopeat	10	10	1.9 Kg	-	-	-	-	185	380	195	2.05	-	-	-	-

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Weeding (m2/hr)		Time (hr/ha)		Saving in time (%)		Man power (No./ha)		Man power (Rs/ha)		Man power saving (%)		Cost of saving (Rs/ha)		WHR (Beat/min)	
					Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Hand Wheel Hoe Weeder	Ground nut	Hand Wheel Hoe Weeder works in the soil up to a depth of 5 cm in crop in groundnut, wheat and seasonal vegetables. Its length can be adjusted according to the height of the worker	10	1.0	144	91	69.44	109.89	36.8	-	8.68	13.73	2604	4119	58	-	1515	-	88	110

FLD on Other Enterprise: Kitchen Gardening

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Prod. (Kg/year)		% change in yield	Purchase (Kg/year)		Distribution (Kg/Year)		Consumption (Kg/Year)	
					Demo	Check		Demo	Check	Demo	Check	Demo	Check
Vegetables	Household food security 2022	Plot Size – 250 m^2 , Layout of 15 plot with 4x4 meter , Name of Vegetables: Kharif- Bottle gourd, Ridge gourd, Tomato, Brinjal, Chilli, spinach, Bitter gourd, Round gourd, cucumber, Lady finger, Cluster bean, Cowpea, Amaranthus, Pumpkin, Rabi-Methi, Spinach, Coriander, Beetroot, Carrot, Radish, Cauliflower, Cabbage, Tomato, Brinjal, Chilli, Garlic, Onion, Bottle gourd, Cucumber ·. Developed crop schedule calender on rotation basis for round the year vegetable production for small family	54	54	1299	162	701.85	429	51	84	-	1266	591

FLD on Walking Tunnel: Walking Tunnel

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Germination rate/m2 (%)		Healthy plant/m2 (No.)		Damage rate/m2 (%)		Economics of demonstration (Rs./month)				Economics of check (Rs./month)			
					Demo	Check	Demo	Check	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Walking Tunnel	Nursery Management	Seedlings raising in low cost poly tunnel. Size of tunnel- (5 x 2 x 1.5) m, UV polythene of 200 mm covered on semi-circular bamboo tunnel structure. Poly tunnel structure protects seedlings from heavy rain, maintain the humidity and temperature for germination	05	05	72.34	60.1	1159	814	3.0	7.0	1950	8114	6164	3.16	1950	5700	3750	2.92

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during 2021*

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Vegetable crop													
Cabbage Rabi 2021-22 (TSP)	Variety Dollar, Seed rate 1.0kg/ha, Nursery Raising-First week of April, Transplanting-(30-35days), Line transplanting 30 x 30cm, Nutrient management FYM:N:P:K: as per soil test based 5 t/ha :85:50:38 kg/ha.	Dollar	20	5.0	248.25	231.2	240.5	-	-	92450	432900	340450	4.68

Water Melon 2022 (RWSLIP-JICA)	Variety – Noor-111, Seed rate 1.0kg/ha Line sowing spacing 120 x 60 cm Nutrient management FYM:N:P:K: as per soil test based 5 t/ha :100:60:45 kg/ha.	Noor-111	20	2.0	143.5	132.2	137.15	-	-	66300	205725	139425	3.10
Bitter gourd 2022 (TSP)	Variety F_1 Hybrid 106, Seed rate 4kg /ha, Sowing I^{st} week of November, Spacing – 120X60 cm, Nutrient management as per soil test based N:P:K:100:60:45 kg/ha	106	20	5.0	272	251	264	-	-	82500	422400	339900	5.12
Fruit crop													
Papaya 2022	Variety Red Lady, Seed Rate 200 gm/ha, Nursery Rising in July, Transplanting – August (40 days old seedlings), Transplanting –2.0 X 2.0 m. (2500 Plants/ha.)	Red Lady	10	1.0	980	80	770	-	-	310500	980000	669500	3.15

Note: Remove the Enterprises/crops which have not been shown

III. Training Programme

Farmers' Training including sponsored training programmes (On Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	8	124	1	125	70	0	70	194	1	195
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)	2	32	0	32	23	0	23	55	0	55
Total	**10**	**156**	**1**	**157**	**93**	**0**	**93**	**249**	**1**	**250**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables	2	20	4	24	5	0	5	25	4	29
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (Zaid Vegetables, Onion)										
Total (a)	**2**	**20**	**4**	**24**	**5**	**0**	**5**	**25**	**4**	**29**
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										
Others (pl specify)										
Total (b)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										

Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**2**	**20**	**4**	**24**	**5**	**0**	**5**	**25**	**4**	**29**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	1	21	0	21	4	0	4	25	0	25
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency	1	25	0	25	0	0	0	25	0	25
Balance use of fertilizers										
Soil and Water Testing										
Others (Natural Farming)	2	46	2	48	20	0	20	66	2	68
Total	**4**	**92**	**2**	**94**	**24**	**0**	**24**	**116**	**2**	**118**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	4	9	13	10	20	30	14	29	43
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)	1	0	16	16	0	9	9	0	25	25
Total	**3**	**4**	**25**	**29**	**10**	**29**	**39**	**14**	**54**	**68**
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio										

pesticides										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
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										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
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										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (FPO formation)	1	0	0	0	25	0	25	25	0	25
Total	**1**	**0**	**0**	**0**	**25**	**0**	**25**	**25**	**0**	**25**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**20**	**272**	**32**	**304**	**157**	**29**	**186**	**429**	**61**	**490**

Farmers' Training including sponsored training programmes (Off Campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1	15	0	15	10	0	10	25	0	25
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	1	25	0	25	0	0	0	25	0	25
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pls specify)	1	0	0	0	20	5	25	20	5	25
Total	**3**	**40**	**0**	**40**	**30**	**5**	**35**	**70**	**5**	**75**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables	1	25	0	25	0	0	0	25	0	25
Nursery raising	1	0	25	25	0	0	0	0	25	25
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	1	19	0	19	6	0	6	25	0	25
Others (pls specify)	3	63	0	63	12	0	12	75	0	75
Total (a)	**6**	**107**	**25**	**132**	**18**	**0**	**18**	**125**	**25**	**150**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	22	1	23	2	0	2	24	1	25
Management of young plants/orchards	2	50	0	50	0	0	0	50	0	50
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**3**	**72**	**1**	**73**	**2**	**0**	**2**	**74**	**1**	**75**
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
g) Medicinal and Aromatic Plants										
Nursery management										

Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
GT (a-g)	**9**	**179**	**26**	**205**	**20**	**0**	**20**	**199**	**26**	**225**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (Natural Farming)	1	0	0	0	20	5	25	20	5	25
Total	**1**	**0**	**0**	**0**	**20**	**5**	**25**	**20**	**5**	**25**
IV Livestock Production and Management										
Dairy Management										
Poultry Management	1	20	0	20	5	0	5	25	0	25
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)	1	20	0	20	5	0	5	25	0	25
Total	**2**	**40**	**0**	**40**	**10**	**0**	**10**	**50**	**0**	**50**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	0	2	2	0	23	23	0	25	25
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet	1	0	20	20	0	5	5	0	25	25
Minimization of nutrient loss in processing										
Processing and cooking	1	0	20	20	0	5	5	0	25	25
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	1	0	15	15	0	10	10	0	25	25
Women empowerment										
Location specific drudgery reduction technologies	1	0	0	0	0	25	25	0	25	25
Rural Crafts										
Women and child care										
Others (Button Mushroom)										
Total	**5**	**0**	**57**	**57**	**0**	**68**	**68**	**0**	**125**	**125**
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VII Plant Protection										
Integrated Pest Management	1	20	0	20	5	0	5	25	0	25
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (Seed Treatment)										
Total	**1**	**20**	**0**	**20**	**5**	**0**	**5**	**25**	**0**	**25**

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										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
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										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**21**	**279**	**83**	**362**	**85**	**78**	**163**	**364**	**161**	**525**

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1	15	0	15	10	0	10	25	0	25
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	9	149	1	150	70	0	70	219	1	220
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)	3	32	0	32	43	5	48	75	5	80
Total	**13**	**196**	**1**	**197**	**123**	**5**	**128**	**319**	**6**	**325**
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume crops										
Off-season vegetables	1	25	0	25	0	0	0	25	0	25
Nursery raising	1	0	25	25	0	0	0	0	25	25
Exotic vegetables	2	20	4	24	5	0	5	25	4	29
Export potential vegetables										
Grading and standardization										
Protective cultivation	1	19	0	19	6	0	6	25	0	25
Others (pl specify)	3	63	0	63	12	0	12	75	0	75
Total (a)	**8**	**127**	**29**	**156**	**23**	**0**	**23**	**150**	**29**	**179**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	22	1	23	2	0	2	24	1	25
Management of young plants/orchards	2	50	0	50	0	0	0	50	0	50
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**3**	**72**	**1**	**73**	**2**	**0**	**2**	**74**	**1**	**75**
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
g) Medicinal and Aromatic Plants										
Nursery management										

Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
GT (a-g)	**11**	**199**	**30**	**229**	**25**	**0**	**25**	**224**	**30**	**254**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	1	21	0	21	4	0	4	25	0	25
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency	1	25	0	25	0	0	0	25	0	25
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)	3	46	2	48	40	5	45	86	7	93
Total	**5**	**92**	**2**	**94**	**44**	**5**	**49**	**136**	**7**	**143**
IV Livestock Production and Management										
Dairy Management										
Poultry Management	1	20	0	20	5	0	5	25	0	25
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)	1	20	0	20	5	0	5	25	0	25
Total	**2**	**40**	**0**	**40**	**10**	**0**	**10**	**50**	**0**	**50**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	4	11	15	10	43	53	14	54	68
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet	1	0	20	20	0	5	5	0	25	25
Minimization of nutrient loss in processing										
Processing and cooking	1	0	20	20	0	5	5	0	25	25
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	1	0	15	15	0	10	10	0	25	25
Women empowerment										
Location specific drudgery reduction technologies	1	0	0	0	0	25	25	0	25	25
Rural Crafts										
Women and child care										
Others (pl specify)	1	0	16	16	0	9	9	0	25	25
Total	**8**	**4**	**82**	**86**	**10**	**97**	**107**	**14**	**179**	**193**
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VII Plant Protection	1	20	0	20	5	0	5	25	0	25
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**1**	**20**	**0**	**20**	**5**	**0**	**5**	**25**	**0**	**25**

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										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
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										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)	1	0	0	0	25	0	25	25	0	25
Total	**1**	**0**	**0**	**0**	**25**	**0**	**25**	**25**	**0**	**25**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**41**	**551**	**115**	**666**	**242**	**107**	**349**	**793**	**222**	**1015**

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2	0	36	36	0	9	9	0	45	45
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**2**	**0**	**36**	**36**	**0**	**9**	**9**	**0**	**45**	**45**

Training for Rural Youths including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										

Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	-	-	-	-	-	-	-	-	-	-

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery & implements										
Value addition	2	0	36	36	0	9	9	0	45	45
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**2**	**0**	**36**	**36**	**0**	**9**	**9**	**0**	**45**	**45**

Training programmes for Extension Personnel including sponsored training programmes (On Campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	22	6	28	2	5	7	24	11	35
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl. specify) Natural Farming	1	15	0	15	5	0	5	20	0	20
TOTAL	**3**	**37**	**6**	**43**	**7**	**5**	**12**	**44**	**11**	**55**

Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	-	-	-	-	-	-	-	-	-	-

Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	22	6	28	2	5	7	24	11	35
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl. specify) Natural Farming	1	15	0	15	5	0	5	20	0	20
TOTAL	**3**	**37**	**6**	**43**	**7**	**5**	**12**	**44**	**11**	**55**

Table: Sponsored Training Programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables	3	45	7	52	8	0	8	53	7	60
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management (Organic)										
Production of Inputs at site										
Methods of protective cultivation										
Others (IFS, Farmers-Scientist Interaction)	2	12	0	12	45	0	45	57	0	57
Total	**5**	**57**	**7**	**64**	**53**	**0**	**53**	**110**	**7**	**117**
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total	-	-	-	-	-	-	-	-	-	-
Farm machinery										
Farm machinery, tools and implements										
Others (Management of micro-irrigation system)										
Total	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total	-	-	-	-	-	-	-	-	-	-
Home Science										
Household nutritional security	1	1	4	5	1	10	11	2	14	16
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total	**1**	**1**	**4**	**5**	**1**	**10**	**11**	**2**	**14**	**16**
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**6**	**58**	**11**	**69**	**54**	**10**	**64**	**112**	**21**	**133**

Name of sponsoring agencies involved: ATMA, DoA, DoH, DoAH, RWSLIP Tonk

Details of Vocational Training Programmes carried out by KVKs for Rural Youth

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition										
Value addition	1	20	0	20	5	0	5	25	0	25
Others (pl. specify)										
Total	**1**	**20**	**0**	**20**	**5**	**0**	**5**	**25**	**0**	**25**
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total	-	-	-	-	-	-	-	-	-	-
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify) SHG	1	0	22	22	0	3	3	0	25	25
Total	**1**	**0**	**22**	**22**	**0**	**3**	**3**	**0**	**25**	**25**
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total	-	-	-	-	-	-	-	-	-	-
Grand Total	**2**	**20**	**22**	**42**	**5**	**3**	**8**	**25**	**25**	**50**

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	37	21796	57	21853
Diagnostic visits	12	180	25	205
Field Day	5	512	17	529
Group discussions	36	720	19	739
Kisan Ghosthi	11	1234	22	1256
Film Show	24	2377	15	2392
Self -help groups	2	40	5	45
Kisan Mela	2	1274	20	1294
Exhibition	6	32790	18	32808
Scientists' visit to farmers field	48	966	35	1001
Plant/animal health camps	2	60	10	70
Farm Science Club	1	38	6	44
Ex-trainees Sammelan	1	50	5	55
Farmers' seminar/workshop	6	625	12	637
Method Demonstrations	23	955	25	980
Celebration of important days	9	328	36	364
Special day celebration	5	582	30	612
Exposure visits	2	157	10	167
Others (pl. specify) Jal Shakti Abhiyan	3	155	15	170
Total	**235**	**64839**	**382**	**65221**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	9
Extension Literature	4
News paper coverage	60
Popular articles	8
Radio Talks	90
TV Talks	3
Animal health camps (Number of animals treated)	20
Others (pl. specify)	0
Total	**194**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Tonk	Text only	11	1	7	3	10	5	37
	Voice only	5	1	1	2	4	1	14
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	**16**	**2**	**8**	**5**	**14**	**6**	**51**
	Total farmers Benefitted	**21796**	**21796**	**21796**	**21796**	**21796**	**21796**	**21796**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related Crop/ Livestock Technology
01	Gosthies	1	50	Mustard
	Lectures organised	8	50	Rabi crops
	Exhibition	1	105	Crop cafeteria
	Film show	2	50	Mushroom cultivation, Natural Farming
	Fair	1	105	All demonstration unit
	Farm Visit	1	105	Seed production of Rabi Crops
	Diagnostic Practicals	1	15	Flower drop of chickpea
	Distribution of Literature (No.)	2	210	Newsletter
	Distribution of Seed (q)	1	50	Kitchen garden kit
	Distribution of Planting materials (No.)	1	10	Tomato, Chilli
	Bio Product distribution (Kg)	1	400	Vermicompost for vegetable
	Bio Fertilizers (q)/Litre	1	5	NADEP compost for orchard
	Distribution of fingerlings	-	-	-
	Distribution of Livestock specimen (No.)	-	-	-
	Total number of farmers visited the technology week	1	350	-

VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of Seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity (q)	Value (Rs)	No. of farmers
Cereals						
	Pearlmillet	JVB-3	-	65.33	175085	181
	Wheat	HD-3086, 3226, RAJ-4079, 4120, 4238, HPBW-01, DBW-187, DBW-222	-	291.23	817595	162
	Barley	RD-2660, 2786, 2794	-	68.27	207476	61
Oilseeds						
	Tarameera	RTM-1351	-	8.00	38780	0
	Mustard	GIRIRAJ, PM-30, PM-31	-	87.01	863306	479
Pulses						
	Black gram	PU-31, Pratap Urd-1	-	13.48	121690	82
	Cluster bean	RGC-1038, 1066, HG 2-20	-	6.43	40340	33
	Cowpea	RC-101	-	0.48	3600	20
	Green gram	IPM 205-7 (VIRAT)	-	6.69	47520	48
	Chickpea	CSJ-515, GNG-2144, 2171, RSG-974	-	71.55	599650	65
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
	Dhaincha	CSD-137	-			
			Total	**618.47**	**2915042**	**1131**

Production of Planting Materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Vegetable seedlings						
	Brinjal	Hybrid		5625	5625	67
	Cabbage	Hybrid		2234	2234	41
	Cauliflower	Hybrid		2552	2552	41
	Chilli	Hybrid		14832	14832	114
	Tomato	Hybrid		21272	21272	150
	Broccoli	Hybrid		2575	2575	29
Fruits						
	Lime	Barahmasi		372	9300	44
	Jamun	Seeded		135	3375	19
	Bael	Seeded		13	325	7
	Karonda	Seeded		52	1300	27
	Papaya	Red Lady		2535	63375	291
	Pomegranate	Super Bhagwa		322	8050	146
	Dragon Fruit	Pink to Pink		11	275	4
	Aonla	Chakaiya		75	1875	73
	Custard Apple	Arka Neelanchal Vikram		68	1700	34
Ornamental plants						
	Annuals			160	160	6
	Ashok			62	1240	31
	Chinese Rose			11	220	10
	Double Firki Tager			11	220	7
	Firki Tager			24	480	16
	Karanj			33	660	18
	Marigold			1300	1300	18
	Duranta			3	60	3
	Kachnar			12	240	6
	Siras			10	200	4
	Cycus Palm			10	300	7
	Morpankhi			1	20	1
	Bottlebrush			2	40	2
Medicinal and Aromatic						
	Curry leaf			30	600	7
	Drumstick			3	60	1
	Harshringar			9	180	6
	Neem			89	1780	21
	Tulsi			3	30	3
Fodder crop saplings						
	Napier Bajra Cutting			34225	34225	22
	Triple Napier Bajra Cutting			20	20	1
Forest Species						
	Ficus (Peepal)			3	60	1
Commercial						
Spices						
Tuber						
Others						
			Total	**88694**	**180760**	**1228**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity		Value (Rs.)	No. of Farmers
		Kg	Litre		
Bio Fertilizers					
	Vermicompost	6200	-	31000	75
	Waste Decomposer	-	2500	-	-
	Jiwamrit	-	3200	-	-
	Vermi-wash	-	1000	-	-
Bio-pesticide					
Bio-fungicide					
Bio Agents					
Others					
	Earthworms	2	-	1000	5
	Total	**6202**	**6700**	**32000**	**80**

Table: Production of Livestock Materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Goat)	Sirohi	18	205000	8
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total		**18**	**205000**	**8**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)	No. of soil health cards distributed
Soil	838	800	45	41900	838
Water	209	115	30	10450	209
Plant	-	-	-	-	-
Manure	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-
Total	**1047**	**915**	**75**	**52350**	**1047**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
Tonk	-	-

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Banasthali Newsletter (January-March, 2022)	500
Banasthali Newsletter (April-June, 2022)	500
Banasthali Newsletter (July-September, 2022)	500
Banasthali Newsletter (October-December, 2022)	500

X. PUBLICATIONS

Category	Number
Research Paper	07
Technical bulletins	03
Technical reports	03
Books/ Booklet	01
Book Chapter	01
Abstract	15
Leaflets/Folders	05
Extension Literature	04
Other (Popular Article)	08
Press Release	60

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
-	-	-	-	-

XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
	-	-	-
Total	-	-	-

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of participants
Oilseeds	-	-
Pulses	-	-
Cereals	-	-
Vegetable crops	-	-
Tuber crops	-	-
Total	-	-

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No. of participants
Care and management of cattles	02	50
Total	**02**	**50**

Animal health camps organised

Number of camps	No. of animals	No. of farmers
02	20	80
Total	**20**	**80**

Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Wheat	**20**	**20**	**50**
Barley	**20**	**20**	**50**
Total	**40**	**40**	**100**

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Leaf Color Chart for nutrient management in Wheat	20	50
Soil Moisture Indicator for irrigation management in all crops	20	100
Walking Tunnel for vegetable sapling production in Kharif & Rabi season	20	50
Total	**60**	**200**

Awareness campaign

S.No.	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
1	2	110	1	50	1	123	1	635	-	-	2	100
Total	**2**	**110**	**1**	**50**	**1**	**123**	**1**	**635**	**-**	**-**	**2**	**100**

XIII. DETAILS ON HRD ACTIVITIES

A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total				

B. HRD activities organized in identified areas for KVK staff by ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total			

XIV. STATUS REVOLVING FUNDs

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2020 to March 2021	1,02,232/-	46,92,401/-	43,46,977/-	4,47,656/-
April 2021 to March 2022	4,47,656/-	52,03,381/-	47,31,958/-	9,19,079/-
April 2022 to March 2023	9,19,079/-*	-	-	-

*** Subject to audit**

XV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)
Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

a) ***Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
b) ***Performance of the end results of any one technology assessed if any and its impact in district agriculture with respect to that crop or enterprise***
c) ***Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***
The general format for preparing the above case studies are furnished below

Name of the KVK: Tonk, Banasthali Vidyapith

Success Story of Doubling Income Farmer

Doubling Farmers' Income through vegetable based Integrated Farming System model

Shankar Lal Meena, a resident of Negadia village, Block Deoli of district Tonk (Rajasthan) has 1.5 ha cultivable land, He has 20 years of experience in traditional farming and before the intervention of Krishi Vigyan Kendra, Tonk, he was earning around Rs 2.5 lakh per year from agriculture and allied activities.

After taking training from Krishi Vigyan Kendra, Tonk on Integrated Farming System model, Mr. Shankar Lal Meena has adopted vegetable based Integrated Farming System model at their farm in participatory mode with the help of Krishi Vigyan Kendra, Tonk.

Components of IFS model in detail

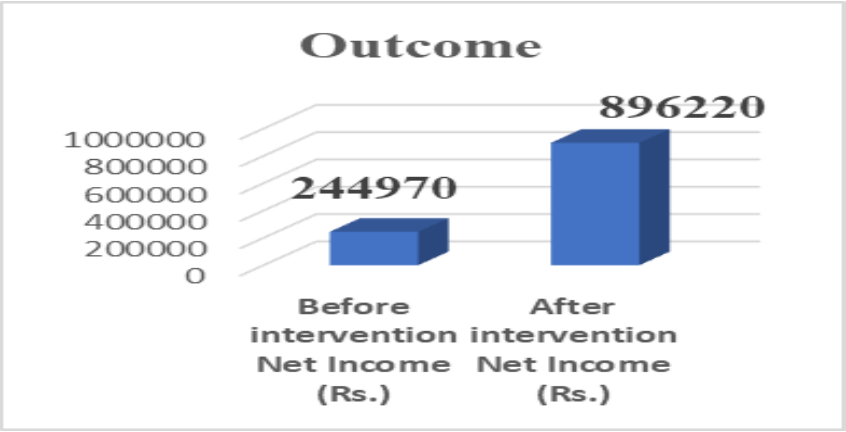
1. **Vegetable based farming system:** Around 1.2 ha area is being utilized for cultivating vegetables like Chilli, Offseason Cauliflower, Tomato, Garden pea, Broccoli and Bitter guard.
2. **Livestock- Poultry Farming:** Buffalo unit with 4 milch buffalo and a low cost poultry unit with the capacity of 200 birds has prepared.
3. **Goatry Farming:** The goatry unit consists of 10 dual purpose Sirohi goats rearing as subsidiary enterprises.
4. **Vermicomposting:** Low cost vermicompost bed was introduced to recycle the farm waste and to prepare the vermicompost. This was in turn utilized to meet the nutrient requirement of farm and also helpful to reduce the dependence and cost on chemical fertilizers.
5. Drip irrigation and mulching is using in all the vegetables for water saving and increase input use efficiency.
6. Fodder unit has been established in 0.1 ha area for round the year green fodder availability to the livestock. Around Rs. 18000-20000/- is saving per year as feed cost per animal.
7. Solar system has been installed for fuel saving and around Rs. 90,000/- per year is saving as diesel cost.

Economics of vegetable based Integrated Farming System model

S. N.	Name of Components	Area (ha)	Production (Q/Lit/No.)	Gross income (Rs.)	Net income (Rs.)
1	Chilli	0.5	142.5	213750	175250
2	Off season Cauliflower	0.4	103.1	123720	88720
3	Tomato	0.2	168.9	135120	113620
4	Garden pea	0.2	26.5	39750	25550
5	Bitter gourd	0.1	14.5	36250	27500
6	Broccoli	0.1	21.4	57780	42280
7	Mustard	0.2	5.1	33150	27350
8	Fodder	0.1	55.7	55700	43700
9	Buffalo	4 no.	5040	201600	128000
10	Goats	10 no.	14	115000	98500
11	Poultry	200 no.	(Egg-14500) (Meat- 240 kg)	217000	125750
12	Drip irrigation and mulching	1.2	-	-	70-80 % water saving
13	Vermi-composting	1 no.	-	-	40-45 % reduced cost of chemical fertilizers
14	Solar system	7.5 HP	-	90000	90000 saving as diesel charges
				Total	896220

Outcome/Impact

1. Total return from IFS unit year^{-1} (1.5 ha) was Rs. 896220.
2. The net farm returns was enhanced by 265 %.
3. Man-days were generated 730 per year.
4. The Integrated Farming System approach recorded higher productivity, profitability and employment generation.



Success Story of Women Entrepreneurs

Name: Manju Meena

Address: Village –Mundia, Block – Newai, District – Tonk

Category: Button Mushroom Cultivation

Background: Mrs. Manju's family was financially weak. She along with her husband used to work on the field to maintain the family. One year ago, Mrs. Manju came in contact with Krishi Vigyan Kendra, Tonk where experts informed Manju about the Button Mushroom Cultivation techniques. Taking training from Krishi Vigyan Kendra, she had started the task of cultivating Button Mushroom. Today, Mrs. Manju is producing about 150 kg Button Mushroom from 75 bags.

KVK Intervention: Krishi Vigyan Kendra, Tonk has conducted training programmes as well as Front Line Demonstration on Button Mushroom cultivation. Exposure of Viable unit of Button Mushroom cultivation of KVK, Tonk has also been done to have better understanding of it. After continuous persuasion, training and Front Line Demonstration on Mushroom cultivation techniques, Manju has become master in cultivating Button Mushroom with her hard work and dedication and able to generate employment in her village. KVK has also developed strong marketing linkage for selling mushroom.

Outcome: Mrs. Manju is cultivating button mushroom and selling them directly to the customers and getting gross income of Rs. 28,500 with net profit of Rs. 22,200 in three months from mushroom cultivation and also employment generating around 24 man days. Today, Mrs. Manju remains a source of inspiration for other women of the village.

Impact: Now Mrs. Manju has become self employed by adopting this technology. She has improved her family financial condition with her vibrant hand holding and active support by removing all the hindrance in her path. In the short span, she also provided employment to herself as well as her husband. Other woman of Mundia village has started the same button mushroom cultivation for income and employment generation.

The KVKs implementing VATICA, NARI & Doubling Farmers income should submit one page report with salient achievements along with photographs pertaining to year 2021.

1. Performance of various interventions carried out under NARI Scheme during January to December 2021
2. Performance of Value Addition Technology Incubation Centre in Agriculture (please submit one page write-up in quantitative and qualitative forms).
3. Feedback need to be furnished
    - Feedback for policy makers
    - Feedback for researchers (Technology performance and future research as per demand of farming community of particular district)
    - Feedback for Development Department
    - Impact of most acceptable interventions/technologies
    - Doubling Farmers Income (one page write up with full justification)
    - Performance of Farmer Producer Organization (one page write up with scientific base and Cluster Based Business Organization)

NARI – NARI project has been implementation in NARI adopted village Sangrampura, Newai district Tonk. 54 Nutri garden were developed in 250 m^2 each. Module for round the year vegetable cultivation has been developed and implemented in the adopted village under NARI. Bio-fortified varieties of cereal, oilseed and vegetables also introduced in Nutri Smart Village for nutritional security of farmer families. Bio-fortified wheat variety HPBW-01, Bio-fortified mustard variety PM-30 and PM-31 and Bio fortified cauliflower Pusa Beta Kesari-1 and Bio fortified Pearlmillet variety HHB-299 have been introduced in the village.701% vegetable availability has been increased after implementation of NARI project in the village and 14.66% anemia and 4.66% malnutrition has been reduced. It has also been recorded that Rs. 18,000-20,000 per year has been saved from vegetable cultivation in the Nutri garden. 85% farm families has adopted Nutri garden model developed by KVK.

DFI – Doubling farmer income national priority concept has been implemented in the selected DFI village viz. Sangrampura, Newai and Negardia, Deoli. Baseline survey has been conducted of both villages. Different technical intervention has been implemented as per resource available in the DFI village viz. Seed saving, nutrient saving, water saving, labour saving, fuel saving for reduce the cost of cultivation with high yielding varieties for increasing the yield and resource conservation technologies also implemented for increasing cropping intensity.Crop diversification with vegetable cultivation and high value crop also introduced for enhancing the farmer income. Focus also given on animal based and other enterprises for sustainable income generation activities, round the year fodder production technologies has been promoted in DFI village and balance feed for animal has promoted through different intervention, vaccination for animals also encouraged with departmental convergence mode. Soil fertility map has also developed of both DFI villages for balance use of fertilizer.Training programme for update the knowledge of farmer and awareness programme also conducted in the DFI villages.

During the implementation of project since 2018 in both villages. 30-35% cost of cultivation has been reduced, 20-30% yield has been increased and 20-25% cropping intensity has also increased in the DFI villages.80-85% of farmers of both villages has achieved doubling the farmer income target and 15-20% farmers are also getting 80-90% additional income after technical intervention of KVK since 2018.

Kitchen garden under NARI programme at Farmers field in DFI village

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LoPNrk tkx:drk dks ysdj pyk;k vfHk;ku	jktLFkku if=dk	22-10-2022
tkx:drk dk;ZØe% fdlkuksa dks [ksrh esa nok] [kkn dk fNM+dko] fuxjkuh djus esa Hkh enn feysxh	nSfud HkkLdj	15-11-2022
—f"k esa Mªksu rduhdh dk fdlku Qk;nk mBk,a % izks- bZuk vkfnR; ’kkL=h	nSfud uoT;ksfr	15-11-2022
—f"k esa Mªksu rduhdh dk fdlku Qk;nk mBk,a% izks- bZuk	jktLFkku if=dk	15-11-2022
ouLFkyh % fo’o e`nk LokLF; fnol dk vk;kstu	nSfud HkkLdj	06-12-2022
fo’o e`nk LokLF; fnol dk vk;kstu	nSfud uoT;ksfr	06-12-

		2022

jsfM;ks okrkZ

ouLFkyh fo|kihB ¼90-4 ,Q- ,e-½
izlkfjr dk;ZØe lwph ¼1 tuojh ls 31 fnlEcj 2022½

izksxzke dk uke	fo"k;	fo'ks"kK	izlkj.k frfFk
vkvksa lh[ksa			
vkvksa lh[ksa	lUrqfyr vkgkj	MkW- izhfr oekZ	02@01@2022
vkvks lh[ksa	Qyksa dk laj{k.k	MkW- izhfr oekZ	20@02@2022
vkvks lh[ksa	vkaoys dk eqjCck vkSj VekVj dh uojRu pVuh	Jh ujs'k dqekj vxzoky	13@03@2022
vkvks lh[ksa	vkaoys dk eqjCck vkSj VekVj dh uojRu pVuh	Jh ujs'k dqekj vxzoky	03@04@2022
vkvks lh[ksa	puk jsfliht+	MkW- izhfr oekZ	17@04@2022
vkvks lh[ksa	vkaoys dk eqjCck vkSj VekVj dh uojRu pVuh	Jh ujs'k dqekj vxzoky	29@05@2022
vkvks lh[ksa	puk jsflfit+	MkW- izhfr oekZ	05@06@2022
vkvksa lh[ksa	lUrqfyr vkgkj	MkW- izhfr oekZ	31@07@2022
vkvksa lh[ksa	lUrqfyr vkgkj	MkW- izhfr oekZ	28@08@2022
vkvksa lh[ksaa	ckt+js dh mi;ksfxrk	MkW- izhfr oekZ	11@12@2022
xzkeh.k txr			
xzkeh.k txr	lfCt;ksa dh laxzghr [ksrh	Jh ujs'k dqekj vxzoky	13@01@2022
xzkeh.k txr	fefJr [ksrh vk; nksxquh	Jh vklqflag HkkVh	03@02@2022
xzkeh.k txr	Qynkj ikS/kksa esa izo/kZu	Jh ujs'k dqekj vxzoky	17@02@2022
xzkeh.k txr	ikuh dk cpko [ksrh esa	Jh ujs'k dqekj vxzoky	07@04@2022
xzkeh.k txr	Qynkj ikS/kksa esa izo/kZu	Jh ujs'k dqekj vxzoky	21@04@2022
xzkeh.k txr	fefJr [ksrh vk; nksxquh	Jh vklqflag HkkVh	28@04@2022
xzkeh.k txr	fefJr [ksrh	Jh vklqflag HkkVh	21@07@2022
xzkeh.k txr	iihrs dh [ksrh vkSj izcU/ku	Jh ujs'k dqekj vxzoky	04@08@2022
xzkeh.k txr	ikuh dk cpko [ksrh esa	Jh ujs'k dqekj vxzoky	29@09@2022
xzkeh.k txr	Qynkj ikS/kksa esa izo/kZu	Jh ujs'k dqekj vxzoky	06@10@2022
xzkeh.k txr	lfCt;ksa dh lajf{kr [ksrh	Jh ujs'k dqekj vxzoky	10@11@2022
xzkeh.k txr	Qynkj ikS/kksa esa izcU/ku	Jh ujs'k dqekj vxzoky	17@11@2022
xzkeh.k txr	fnlEcj ekg esa ckxokuh dk;Z	Jh ujs'k dqekj vxzoky	01@12@2022
xzkeh.k txr	lfCt;ksa dh lajf{kr [ksrh	Jh ujs'k dqekj vxzoky	08@12@2022
vUunkrk			
vUunkrk	ve:n dh ulZjh rS;kj djuk	Jh ujs'k dqekj vxzoky	01@01@2022
vUunkrk	vukj ds ikS/ks rS;kj djuk	Jh ujs'k dqekj vxzoky	08@01@2022
vUunkrk	fdlkuksa dh vk; esa btkQ+k	MkW- Mh- oh- flag	29@01@2022
vUunkrk	lnhZ dh Qlysa	MkW- Mh- oh- flag	05@02@2022
vUunkrk	[ksrh ds eq[; dk;Z	Jh vklqflag HkkVh	02@04@2022
vUunkrk	xzh"edkyhu Qly mRiknu	Jh vklqflag HkkVh	09@04@2022
vUunkrk	lajf{kr [ksrh	Jh ujs'k dqekj vxzoky	23@04@2022
vUunkrk	ladj uSfi;j cktjk Hkkx izFke	Jh vklqflag HkkVh	30@04@2022
vUunkrk	ladj uSfi;j cktjk Hkkx & 02	Jh vklqflag HkkVh	07@05@2022

vUunkrk	jch Qlyksa dh mUur fdLesa vkSj cht mipkj	Jh vklqflag HkkVh	28@05@2022
vUunkrk	ikWyh Vuy esa vxsrh lCth mRiknu	Jh ujs'k dqekj vxzoky	04@06@2022
vUunkrk	okWd bu Vuy esa lCth mRiknu	Jh ujs'k dqekj vxzoky	11@06@2022
vUunkrk	I;kt dh ikS/kjksi.k	Jh ujs'k dqekj vxzoky	18@06@2022
vUunkrk	de o"khZ; mRiknu	Jh vklqflag HkkVh	25@06@2022
vUunkrk	mRikndrk ds ewy ea=	Jh vklqflag HkkVh	02@07@2022
vUunkrk	gjh [kkn	Jh vklqflag HkkVh	09@07@2022
vUunkrk	fefJr Qy mRiknu	Jh vklqflag HkkVh	16@07@2022
vUunkrk	Q+ly pØ	Jh vklqflag HkkVh	23@07@2022
vUunkrk	eawxQyh dh [ksrh	Jh vklqflag HkkVh	10@09@2022
vUunkrk	fdlkuksa dh vk;	MkW- Mh- oh- flag	22@10@2022
vUunkrk	fVaMs dh [ksrh	Jh ujs'k dqekj vxzoky	10@12@2022
vUunkrk	fHkUMh dh [ksrh	Jh ujs'k dqekj vxzoky	17@12@2022

के.वी.के. समाचार पत्रों में

राजस्थान पत्रिका
वार, 18 सितम्बर, 2022
SUNDAY 11
patrika.com

पोषण अभियान की दी जानकारी

वनस्थली. अभियान के दौरान उपस्तिथ सदस्य।

पत्रिका न्यूज नेटवर्क
patrika.com

वनस्थली. कृषि विज्ञान केंद्र वनस्थली विद्यापीठ में पोषण अभियान एवं वृक्षारोपण कार्यक्रम का आयोजन किया गया। इसमें कृषि विज्ञान केंद्र के वरिष्ठ वैज्ञानिक एवं प्रमुख डॉ.डी.वी. सिंह ने कहा कि पोषण अभियान एवं वृक्षारोपण कार्यक्रम का आयोजन कृषि विज्ञान केंद्र, इफको और वनस्थली विद्यापीठ के गृह विज्ञान विभाग के द्वारा मनाया जा रहा है। प्रोफेसर शील शर्मा ने कहा कि समाज को स्वस्थ एवं स्वच्छ रहना अत्यंत आवश्यक है। डॉ. प्रीति वर्मा ने थाली तथा संतुलित आहार व नरेश कुमार अग्रवाल ने पोषण वाटिका विषय पर जानकारी दी। गृह विज्ञान विभाग की छात्राओं ने नुक्कड़ नाटक के माध्यम से किसान महिलाओं में जागरूकता के लिए संदेश दिया। कार्यक्रम में गृह विज्ञान विभाग की डॉ. चारू व्यास, डॉ. मोनिका जैन, डॉ. गीता बीसला, डॉ. एकता सिंह, डॉ. शालिनी सिंह, डॉ. चेतना सिंह ने भाग लिया तथा कृषि विज्ञान केंद्र के विनीत कुमार द्विवेदी, मिथिलेश्वर नाथ उपाध्याय, आसू सिंह भाटी व रामनारायण गुर्जर ने सहयोग किया।

टोंक पत्रिका

स्वच्छता जागरुकता को लेकर चलाया अभियान

वनस्थली स्वच्छता अभियान के तहत उपस्थतिथ ग्रामीण।

वनस्थली @ पत्रिका. कृषि विज्ञान केंद्र, वनस्थली विद्यापीठ के द्वारा चलाया जा रहा है। इसके अंतर्गत कृषि विज्ञान केंद्र के द्वारा स्वच्छता पर जागरुकता फैलाने के लिए प्रतिदिन विभिन्न गतिविधियों का आयोजन किया जा रहा है।

केंद्र के वरिष्ठ वैज्ञानिक एवं प्रमुख डॉ. डीवी सिंह ने बताया कि गांधी जयंती के दिन से इसकी शुरुआत हुई थी। यह अभियान 31 अक्टूबर तक चलेगा। नोडल अधिकारी डॉ. प्रीति वर्मा ने स्वच्छता अभियान के तहत गांव संग्रामपुरा, गांव मोतीपुरा एवं पुसवाड़ी ढ़ाणी में किसानों के साथ स्वच्छता कार्यक्रम चलाया। साथ ही स्कूल के बच्चों को साफ सफाई के ध्यान रखते हुए हाथ धोने के महत्व की जानकारी दी ।

अभियान के दौरान केंद्र की विभिन्न इकाइयों केंचुआ खाद इकाई, गृह वाटिका इकाई, बकरी पालन इकाई एवं बगीचे की साफ सफाई की गई। गांव संग्रामपुरा में स्कूल के बच्चों द्वारा नुक्कड़ नाटक के माध्यम से स्वच्छता पर जागरूकता फैलाई गई।

राजस्थान पत्रिका patrika.com 13
टोंक, रविवार, 02 अक्टूबर 2022
टोंक पत्रिका

प्राकृतिक खेती का दिया प्रशिक्षण

वनस्थली. क्षेत्र के कृषि विज्ञान केंद्र पर प्राकृतिक खेती पर दो दिवसीय प्रशिक्षण कार्यक्रम का आयोजन किया गया। कृषि विज्ञान केंद्र के वरिष्ठ वैज्ञानिक एवं प्रमुख डॉ. डी. वी. सिंह ने बताया कि प्राकृतिक खेती गौ आधारित खेती है। जिसमें खेत के लिए कुछ भी बाजार से नहीं खरीदना है, सिर्फ देशी गाय को पालना है। देशी गाय के गोबर, गौ-मूत्र, दूध, घी, दही, छाछ, नीम के पत्ते आदि से घर पर ही किसान खेत के लिए उपयुक्त खाद व प्राकृतिक दवा का निर्माण करके खेती कर सकते हैं। कार्यक्रम

में नरेश कुमार अग्रवाल ने प्राकृतिक खेती में उपयोग होने वाले पदार्थों की जानकारी दी। बंशीधर, डॉ. प्रीती वर्मा, विनीत कुमार द्विवेदी, मिथिलेश्वर नाथ उपाध्याय, आसूसिंह भाटी, रामनारायण गुर्जर आदि ने भी विचार व्यक्त किए। कार्यक्रम में जिले भर से 40 किसानों ने भाग लिया।

दैनिक भास्कर
जयपुर, सोमवार, 3 अक्टूबर, 2022 | 15

वनस्थली : प्राकृतिक खेती में उपयोग होने वाले पदार्थों की किसानों को जानकारी दी

वनस्थली | वनस्थली विद्यापीठ के कृषि विज्ञान केंद्र पर प्राकृतिक खेती पर दो दिवसीय प्रशिक्षण कार्यक्रम आयोजित हुआ। इसमें डॉ. डी. वी. सिंह ने बताया कि प्राकृतिक खेती गौ आधारित खेती है। देशी गाय के गोबर, गौ-मूत्र, दूध, घी, दही, छाछ, नीम के पत्ते आदि से घर पर ही किसान खेत के लिए उपयुक्त खाद व प्राकृतिक दवा का निर्माण करके खेती कर सकते हैं। नरेश कुमार अग्रवाल ने प्राकृतिक खेती में उपयोग होने वाले पदार्थ जीवामृत, घनजीवामृत, नीमास्त्र, ब्रह्मास्त्र, अग्नेयास्त्र, दशपर्णी आदि को बनाने की विधियों व उपयोग के बारे में जानकारी दी। बंशीधर ने अच्छी गुणवत्ता का बीज उत्पादन करने की वैज्ञानिक तकनीकियों को बताया। डॉ. प्रीती वर्मा ने प्राकृतिक खेती के उत्पादों का मूल्य संवर्धन करके बाजार में बेचने पर किसानों से चर्चा की।

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dainiknavajyoti.com
दैनिक नवज्योति

कृषि में ड्रोन तकनीकी का किसान फायदा उठाएं: प्रो. ईना आदित्य शास्त्री

न्यूज सर्विस/नवज्योति, वनस्थली। कृषि विज्ञान केंद्र, वनस्थली विद्यापीठ में ड्रोन के उद्घाटन एवं जागरूकता कार्यक्रम में मुख्य अतिथि वनस्थली विद्यापीठ की कुलपति प्रो ईना आदित्य शास्त्री ने कहा कि आज समय की मांग है कि किसान बैलों से खेती करने के बाद ट्रेक्टर से खेती करने के उपरान्त अब ड्रोन जैसी आधुनिक तकनीकी का उपयोग कृषि क्षेत्र में किसानों को करना होगा, जिससे उनकी लागत को कम करते हुए उत्पादकता को बढ़ाया जा सके । कार्यक्रम में आर्टिफिशियल इंटेलीजेंस केंद्र, वनस्थली विद्यापीठ के निदेशक डॉ अंशुमान शास्त्री ने कहा कि परिवर्तन के दौर में ड्रोन जैसी तकनीकी का उपयोग कृषि क्षेत्र में आमूलचूक परिवर्तन करने वाली पहल है तथा ड्रोन के द्वारा किसानों को खेती में दवाएं खाद आदि के छिड़काव के साथ-साथ खेतों में समय-समय पर निगरानी करने में भी मदद मिलेगी तथा ड्रोन देश की कृषि के लिए

क्रांतिकारी साबित होगा । कृषि विज्ञान केन्द्र के वरिष्ठ वैज्ञानिक एवं अध्यक्ष डॉ डीवी सिंह ने अपने स्वागत संबोधन में कहा कि सरकार के द्वारा देश के 100 कृषि विज्ञान केंद्रों को ड्रोन तकनीकी के सफल प्रयोग हेतु चयनित किया गया है ।

कृषि के क्षेत्र में आज खाद एवं दवाओं के उपयोग की दक्षता केवल 40 प्रतिशत के आस.पास है तथा कृषि में संसाधन उपयोग की दक्षता बढ़ाना अत्यंत आवश्यक है। संसाधनों की कम दक्षता होने के कारण फसलों की उत्पादकता में 20.30: की कमी आती है तथा कृषि में मजदूरों की प्रमुख समस्या के कारण समय पर खाद एवं दवाओं का प्रयोग ना होने से किसानों को खेती से अधिक फायदा नहीं हो पाता है ।

ड्रोन जैसी नवीनतम तकनीकी के उपयोग से कृषि की उत्पादकता को बढ़ाने के साथ साथ किसानों की आमदनी को बढ़ाने में मदद मिलेगी तथा अच्छी कृषि से ग्रामीण अर्थव्यवस्था में बहुत बड़ा बदलाव आएगा । भारत सरकार के द्वारा कृषि विज्ञान केन्द्रों को ड्रोन उपलब्ध कराये गए हैं । अब कृषि विज्ञान केंद्र किसानों के खेतों पर ड्रोन के प्रदर्शन करके किसानों को अधिक फायदे की खेती में मदद करेंगे । कार्यक्रम के प्रारम्भ में ड्रोन का विधिवत पूजन करने के उपरांत उद्घाटन किया गया । कार्यक्रम में बायोसाइंस एवं बायोटेक्नोलोजी विभाग के अध्यक्ष डॉ दीपज्योति चक्रवर्ती, कृषि विज्ञान केंद्र के डॉ रामचरण यादव, बंशीधर, नरेश कुमार अग्रवाल, डॉ प्रीती वर्मा, विनीत कुमार द्विवेदी, मिथिलेश्वर नाथ उपाध्याय, रामनारायण गुर्जर, 112 किसान, स्नातकोत्तर की 18 छात्राएँ आदि उपस्थित थे । कार्यक्रम के अंत में ड्रोन के द्वारा अनार के बगीचे में दवा का स्प्रे करके किसानों को दिखाया गया । मात्र 7-8 मिनट में एक एकड़ खेत में ड्रोन के द्वारा दवाओं का स्प्रे किया गया ।

10 राजस्थान पत्रिका patrika.com
टोंक, मंगलवार, 15 नवम्बर, 2022

कृषि में ड्रोन तकनीकी का किसान फायदा उठाएं: प्रो. ईना

पत्रिका न्यूज़ नेटवर्क
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वनस्थली. कृषि विज्ञान केंद्र, वनस्थली विद्यापीठ में ड्रोन के उद्घाटन एवं जागरूकता कार्यक्रम में मुख्य अतिथि वनस्थली विद्यापीठ की कुलपति प्रो. ईना आदित्य शास्त्री ने कहा कि आज समय की मांग है कि किसान बैलों से खेती करने के बाद ट्रैक्टर से खेती करने के उपरान्त अब ड्रोन जैसी आधुनिक तकनीकी का उपयोग कृषि क्षेत्र में किसानों को करना होगा, जिससे उनकी लागत को कम करते हुए उत्पादकता को बढ़ाया जा सके। निदेशक डॉ. अंशुमान शास्त्री ने कहा कि परिवर्तन के दौर में ड्रोन जैसी तकनीकी का उपयोग कृषि क्षेत्र में आमूलचूक परिवर्तन करने वाली पहल है तथा ड्रोन से किसानों को खेती में दवा, खाद आदि के छिड़काव के साथ-साथ खेतों में समय-समय पर निगरानी करने में भी मदद मिलेगी तथा ड्रोन देश की कृषि के लिए क्रांतिकारी साबित होगा। कृषि विज्ञान केन्द्र के वरिष्ठ वैज्ञानिक डॉ. डी. वी. सिंह ने कहा कि सरकार के द्वारा देश के 100 कृषि विज्ञान केंद्रों को ड्रोन तकनीकी के सफल प्रयोग के लिए चयनित किया है। कार्यक्रम के प्रारम्भ में ड्रोन का विधिवत पूजन करने के उपरांत उद्घाटन किया गया।

दैनिक नवज्योति
आपके लिए, आपके साथ
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मंगलवार, 6 दिसंबर 2022 | जयपुर | 6

विश्व मृदा स्वास्थ्य दिवस का आयोजन

न्यूज सर्विस/नवज्योति,वनस्थली। कृषि विज्ञान केंद्र,वनस्थली विद्यापीठ पर विश्व मृदा स्वास्थ्य दिवस का आयोजन किया गया। विश्व मृदा स्वास्थ्य दिवस के अवसर पर कृषि विज्ञान केंद्र के वरिष्ठ वैज्ञानिक एवं प्रमुख डॉ डी वी सिंह ने कहा कि मृदा का स्वास्थ्य मानव जीवन के स्वास्थ्य से संबंध रखता है। आज समय की मांग है कि हम अपनी मृदा के स्वास्थ्य के लिए चिंतन करें और विभिन्न वैज्ञानिक पद्धतियों को अपनाने के साथ.साथ मृदा में संतुलित खाद व उर्वरक का प्रयोग करें, जिससे मृदा के स्वास्थ्य को बनाए रखने के साथ ही फसल उत्पादकता को बनाए रखा जा सके। स्वस्थ पौधे को 18 पोषक तत्वों की आवश्यकता पड़ती है और केवल मृदा से ही पौधे को 15 पोषक उपलब्ध होते हैं तथा यदि किसान किसान मृदा में संतुलित खाद व उर्वरक का प्रयोग करे तो उत्पादकता को 50.58 प्रतिशत तक बढ़ाया जा सकता है। सरकार के द्वारा वर्ष 2016 से प्रति वर्ष विश्व मृदा स्वास्थ्य दिवस मनाया जा रहा है जिससे किसानों में मृदा स्वास्थ्य के प्रति जन जागृति पैदा की जा सके। डॉ सिंह ने कहा कि मृदा में उपलब्ध पोषक तत्व अनाज के द्वारा मनुष्य के शरीर में पहुँचते हैं और यदि मृदा में पोषक तत्व का सही प्रबंधन नहीं किया तो मनुष्य के शरीर में भी संतुलित पोषक तत्वों की कमी हो जाएगी और उसका सीधा प्रभाव मानव स्वास्थ्य पर पड़ेगा। भारत सरकार के निरंतर प्रयासों से आज देश में 22 करोड़ मृदा स्वास्थ्य कार्ड किसानों को उपलब्ध कराये गए हैं जिससे किसान मृदा स्वास्थ्य कार्ड में की गई सिफारिश के अनुसार खाद एवं उर्वरक का प्रयोग करके अपने लागत को कम करके अपने मुनाफे को बढ़ा सकते है। सरकार के द्वारा आज प्राकृतिक खेती को भी बढ़ावा दिया जा रहा है। शस्य वैज्ञानिक बंशीधर ने किसानों को रबी व खरीफकी फसलों में संतुलित खाद एवं उर्वरक प्रबंधन के साथद-साथ हरी खाद के प्रयोग पर अधिक बल देने के लिए प्रेरित किया।