AGRICULUTURE DEPARTMENT

ANNUAL REPORT

2022-23

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KARNATAKA STATE AGRICULTURE DEPARTMENT
ANNUAL REPORT -2022-23
(till the end of March-2023)

INTRODUCTION

Karnataka has a geographical area of 190.50 lakh hectares and the Department of Agriculture is one of the major development departments of the State and is continuously engaged in the service of farmers by providing research results emerging from various sources and modern technology to the farmers. There are 86.81 lakh farm families cultivating a total of 118.05 lakh hectares of rainfed and irrigated land.

In order to increase the overall agricultural production of the State, the Department of Agriculture has undertaken various programmes such as National Food security Mission(NFSM), Crop Insurance scheme, Quality control, PM Kisan, Rastriya Krishi Vikas Yojan (RKVY), Soil Health Mission, CM Raitha Vidya Nidhi Program, Agriculture Mechanization, Agro Processing, Custom Hiring service centers of agricultural machinery, Crop Harvest Experiments, Farm Mechanization, Micro Irrigation, Organic Farming. etc. and timely supply of agricultural inputs such as seeds, micro-nutrients, bio-fertilizers and plant protection insecticides/pesticides in aid.

The major crops grown in the State are Paddy, Ragi, maize, sorghum, Redgram, Bengal gram, sunflower, groundnut, cotton and sugarcane. In the production of various crops in the country, Karnataka State ranks first in the production of Maize, Ragi, Redgram, Sunflower and Safflower.

The Department of Agriculture implements various schemes and programes of the Central and State Governments for the welfare of the farming community and also organizes demonstrations for the farmers to obtain the maximum yield from the natural resources such as land, water etc. besides timely arrangments of seeds, chemical fertilizers, plant protection chemicals, micro-irrigation units and agricultural machinery plays a major role in agricultural technology transfer. With this the economic improvement of the farming community, the food grain requirements of the state are being met. Although the sectors contribution to the State's Gross Domestic Product is low, agriculture continues to be the largest employment generator.

VISION:

To increase crop productivity through implementation of various State and Centrally Sponsored schemes, reduce Production cost for sustainable agriculture, ensure food security of the State by increasing farmers income & their development.

MISSION/OBJECTIVE:

- Collection of agricultural statistics (geographical and cultivated area, data of land holding, rainfall, crop and climatic conditions) and use in agriculture as appropriate.
- Increase agricultural production and productivity and achieve the target of 4.5% growth in agriculture sector
- Promoting agriculture that is resilient and resilient to climate change with conservation of natural resources
- Promoting farmer-friendly research and development, education and transfer of effective technologies in reducing production costs

- Institutionalize the integration of farmers through farmers' organizations, farmers' associations, and encourage integrated agricultural development through public-private partnerships.
- Encouraging rural youth to engage in agribusiness through appropriate policies
- Developing post-harvest technologies along with increasing farm mechanization through value chain linkages
- Integrating policies, programs and technologies for planned agricultural development and transfer of agricultural technologies/information to farmers.
- Effective implementation of relevant development programs and strengthening of timely delivery system of various quality tools at all levels.
- Sustainable soil health management
- Promotion of micro-irrigation to conserve water and increase the area of protected irrigated area.
- Prioritizing rainwater harvesting and reuse, focusing on rainfed agriculture farmers.
- Encouraging adoption of appropriate plant protection measures and sanitation through promotion of good technology.
- Provision of various agricultural machinery useful for land preparation, sowing/planting equipment, harvesting and processing to farmers in rural areas of the state in a timely, transparent and low rental rate.
- Arranging e-portal for receiving applications of farmers online through farm mechanization and micro irrigation schemes.
- Encouraging organic farming and providing proper marketing system for sale of produce.
- Providing crop loss compensation to farmers under the Pradhana mantri Fasal Bima Yojana.
- To help the central government to determine the minimum support price in major agricultural crops that would be beneficial to the farmers.
- Transfer of technology from laboratory to farmer's land through agricultural information services, staff and farmer trainings, various crop demonstrations and farmer study tours.

Agriculture Department's New Schemes:

Secondary Directorate of Agriculture will be set up to create more market opportunities for these products by using Farmer Producer Organizations to add value to the primary products of agriculture. "Raita Shakti" Scheme to encourage farmers to use farm machinery and reduce the burden of fuel cost by giving diesel subsidy of up to Rs.250/- per acre for a maximum of five acres. And in order to encourage women farmers in agriculture and to attract other women to agriculture, new schemes are being formulated and implemented to award separately Krishi Award and Krishi Pandit Award.

STATE SECTOR SCHEMES :

Chief Minister's Raitha Vidya Nidhi programme

Hon'ble Chief Minister has announced Mukhya Mantri Raitha Vidya Nidhi Programme to encourage the education of farmers children. Under this programme, scholarship is given for girl students doing prematric education (8^{th} standard to 10^{th} standard), students pursuing PUC/equivalent cours and also for students pursuing their higher education from any registered education institute. The scholarship will be credited annually to the bank accounts of the students through Direct Benefit Transfer (DBT)

To encourage the landless agriculture labourer's children education Mukhya Mantri Raitha Vidya Nidhi Programme has been extended to Agricultural labourers children from 2022-23 Academic year. (Government Order No- AGRI-AML/141/2021-22 Dated: 30.08.2022)

a)	Name of the scheme and year of introduction	**Mukhya Mantri Raitha Vidya Nidhi Programme 2021-22**
b)	Budget Head	2202-80-107-0-06 sub head 117, 133.
c)	If Plan, the Central & State share	State Sector - Plan (0:100)
d)	Objective of the Programme/project/ scheme	1. To encourage Farmers and Landless Agriculture Laborers children education. 2. Scholarship will be given to girl students doing prematric education (8th standard to 10th standard). 3. Students pursuing PUC/equivalent course and also students pursuing higher education from any registered education institute would be given scholarship annually. Scholarship will be credited to bank accounts of the students through Direct Benefit Transfer (DBT).
e)	State estimated benefit & number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	Encouragement of farmers children education. Number of Students: 10,00,000 Encouragement of landless Agriculture labourer's children education. Number of Students: 11,00,000
f)	Financing (Rs. in lakhs)	Mukhya Mantri Raitha Vidya Nidhi Programme Rs.65000.00 Lakhs Landless Agriculture labourer's Vidya Nidhi Programme Rs.36000.00 Lakhs

Expenditure (Rs. in Lakhs)

Programme Name	**Head of Account**	**2021-22**		Estimate **2022-23** March 2023 (In lakhs)			Budget Estimate **2023-24** (In lakhs)	Remarks
		Grants	Exp.	Grants allotment	Grants Release	Progress	Budget Estimate	Allocation of Grants under HOA: 2202-80-107-0-06, subhed : 117 & 133 is Rs. 101000.00 lakhs. Rs.41082.32 lakhs have been surrendered and out of remaining amount of Rs. 59917.68 lakhs Rs. 59911.98 lakhs expenditure incurred
Mukhya Mantri Raitha Vidya Nidhi	2202-80-107-0-06-117	26415.00	26395.59	61000.00	61000.00	55942.635	80000.00 (HOA:2202-80-107-0-06-subhead 117: 57600.00, subhead : 422:15600.00, Subhead 423: 6800.00)	
	2202-80-107-0-06-133	–	–	4000.00	3000.00	2000.00		
Landless Agriculture Laborer's Vidhya Nidhi	2202-80-107-0-06-117	–	–	36000.00	0	1969.345		
Total		**26415.00**	**26395.59**	101000.00	64000.00	59911.98	80000.00	

h) Physical Achievement (Units in no's)

Pragramme	**2021-22**		**2022-23 (Numbers)**		**Audit observation**
	Tar	Ach	Tar	Ach	
Mukhya Mantri Raitha Vidya Nidhi	1000000	719672	1000000	1188583	Nil
Landless Agriculture Laborer's Vidhya Nidhi	–	–	600000	61008	Nil
Total	**1000000**	**719672**	**1700000**	**1249591**	

COMPUTER SECTION

The computer centre was established in the year 1988-89 at the Directorate of Agriculture, Bangalore with the objective of computerization of the Karnataka State Department of Agriculture.

Computerisation of Offices: The objective is to computerize and provide the required infrastructure such as provision of computers, printers, power back-up, Local Area Network, internet connectivity at all levels of administration so as to reduce drudgery and to encourage paper less communication.

Department of Agriculture has initiated action to redesign the existing "Raita Mitra" website (bilingual) so as to provide timely information on various schemes, Rate Contracts of the inputs, Market Information, Weather forecast, Tender Notification etc. as per Accessibility India guidelines under the guidance of e-Governance department.

K-KISAN Project (Karnataka – Krishi Information Sevice and Networking):

Department has taken steps to strengthen the Extension System by greater use of modern Information and Communication Technology (ICT) applications from RSK to Secretariat (Agriculture) to meet the core functions of the Department viz., service delivery, information dissemination, public grievances and redressal, schemes/programme implementation and to have interfaces with other Departments through implementation of K-KISAN (Karnataka – Krishi Information Services and Networking) Project. The project is implemented by utilizing the budget available under Rastriya Krishi Vikasa Yojane- Raitha Samparka Kendra (RSK) Computerisation (HoA: 2401-00-800-1-57) and Computers and CUG expenses – Commissionerate of Agriculture HoA: 2401-00-001-1-01, Sub Head: 051 (Plan).

Major objectives of the K-KISAN project are:

- To computerize all the offices of the Department across the state by providing IT infrastructure.
- To provide timely information and services to farmers: application status, inputs availability, market information, technology, weather forecast, pest surveillance etc.,
- Creation/ build up of Farmer Family Database - Collection and maintenance.
- Provide Online Platform: License, application submission and status, grievances redressal, payment, communication and share the files/ documents, e-accounting, information, daily inventory report, interface with other departments.
- Networking between public and private institutions: Manufactures, suppliers, research institutions, farmers organization/ groups/societies etc.
- Personal Management system.
- Asset Management System: Buildings, vehicles, records/ files/ documents, lands, equipments and other infrastructure.

For the implementation of K-KISAN project, The Department has developed of modules for implementation of Departmental Schemes viz., Farm Mechanization, Micro-irrigation, Fertilizer License Management System, Agriculture Input Supply System etc., under the guidance of National Informatics Centre (NIC). Also, the department is using FRUITS (One-time Common Farmer Registration) portal developed by e-Governance department for registration of farmers.

a)	**Name of the scheme and year of introduction**	**Computerization 1989-90** **K-KISAN 2014-15**
b)	Budget Head	HOA: 2401-00-001-1-01 Sub Head: 051
c)	If Plan, the Central & State share is	State Head, 0:100

d)	Objective of the Programme/project/ scheme	1. To computerize and provide the required IT infrastructure and internet connectivity to all the offices of the Department so as to reduce drudgery and to encourage paper less communication. 2. To Provide Agriculture information and efficient services at faster rate to farmers by computerizing RSKs. **CUG** 3. In agriculture, transfer of technology at the earliest is very essential as crop cultivation activities are weather dependent and season bound. In this regard the Department of Agriculture has provided CUG SIM Cards to the Technical Officers so that these officers can be contacted by farmers/extension officers etc., at any point of time to obtain / provide agriculture related information.
e)	State & estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	1. Computer and peripherals, Purchase AMC Repair at District Offices. 2. Purchase of Computers and peripherals, consumables and stationaries, Internet Data Cards, AMC and Repair at Head Office. 3. K-Kisan Project Implementation Expenditures 4. Officers working in the Department have been provided with CUG SIM Cards
f)	Financing (Rs. in lakhs)	Rs. 333.35 lakhs.

g) Expenditure (Rs. in Lakhs)

Actual / Accounts **2021-2022**		Revised Estimate **2022-23** **(**End of January-21)		Budget Estimate **2023-24**
Grants	Exp.	Grants	Exp.	Grants
180.00	180.00	333.35	320.37	457.00

h) Physical Progress (Component : No's)

2022-23		**Audit Paras**
Target	**Achievement**	
1045	1045	None

a	Name of the scheme and year of Introduction	**Commissionerate of Agriculture :** **Outsourcing of staff to Raitha Samparka Kendras 2014-15,**
b	Budget Head	2401-00-001-1-01, Sub-Head-034
c	Central & State share under the State Sector.	State Sector - (0:100)
d	Objective of the programme	To carry out the Raitha Samparka Kendras Transaction and activities smoothly, one outsourcing staff will be deployed per RSKs on out sourcing basis. The duties and responsibilities of such staff is sale of Agriculture Inputs, Collection of farmer share and remittance to bank, maintenance of RSKs Accounts & Records and uploading of Farmer database in Software.
e	Estimated benefit & number of beneficiaries	Under this scheme grants utilized to pay the salaries of Outsourcing of staff of 742 RSKs
f	Financial (Rs.in lakhs)	Rs. 2015.49 lakhs.

g) Expenditure : (Rs. in lakhs)

Actual/Accounts 2021-22		2022-23		Budget Estimate 2023-24
Grants released	Exp	Grants released	Expenditure	Expected Grants
1857.66	1846.48	1982.32	1982.32	2100.00

h)Physical Achievements (Units: in Nos)

2021-22		2022-23		Audit observations
Tar	Ach	Tar	Expenditure	
742	742	742	742	-

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:
Not Applicable

a)	Name of the scheme and year of introduction	**Commissionerate of Agriculture** **Out source of vehicles to the Head office and District offices.**
b)	Budget Head	**2401-00-001-1-01 (Plan) sub head 195 (State Sector)**
c)	If Plan, the Central & State share is	**State Sector - Plan (0:100)**
d)	Objective of the Programme/project/ scheme	Due to unavailability of vehicles and decrease from the year 2002-03 it has been planned to

		provide vehicles on outsource basis to different offices in the department
e)	State& estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	- Total 164 vehicles were taken on out.
f)	Financing (Rs. in lakhs)	**Rs.700.00 Lakhs**

g) Expenditure (Rs. in Lakhs)

Actual / Accounts **2021-2022**		Revised Estimate **2022-2023**		Budget Estimate **2023-2024**
Grants	Exp.	Grants	Exp.	Grants
400.00	399.50	700.00	698.00	458.90

h) Physical Achievement (Units in no's)

2020-21		**Audit observation**
Tar	Ach	Nil
164	164	

Brief analysis of the performance trend and implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries

a)	Name of the scheme and year of Introduction	**Commissionerate of Agriculture:** **Seed Farms (Scheme name in the last year)**
b)	Budget Head	2401-00-103-0-01 (Non plan) Last year 2401-00-001-1-01New Head of Account from 2022-23
c)	Central & State share under the scheme	Not applicable
d)	Objective of the Programme	Production of Foundation and Certified Seeds are taken up in seed farms and quality seeds are being distributed to the farmers through Karnataka State Seed Corporation.
e)	Estimated benefit & number of beneficiaries	Quality seeds produced in the seed farms are being distributed to the farmers through Karnataka State Seed Corporation.
f)	Financing: (Rs. in Lakhs)	Grants allotted during the year 2022-23 is Rs. 404.00 lakhs(051-Rs.50.00 lakhs, 059-Rs.314.00 lakhs, 071-Rs.20.00 lakhs and 180-Rs.20.00 lakhs).

g)**Expenditure: (Rs. in Lakhs)**

Actual/Accounts 2021-22		2022-23		2023-24
Grants released	Expenditure	Grants released	Expenditure	Budget allocation
593.43	591.23	417.01	416.50	-

h) **Physical Achievements (Units: in hectares)**

2021-22		2022-23		Audit observations
Target	Achivement	Target	Achivement	Just mention whether Audit has been completed for the year or not. Mention Audit observation if any.
361.88	357.7	506.82	474	During audit no observations have been made regarding seed farms.

i) **Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation**:

.

Mainly Foundation and Certified Seed Productions are taken up in these farms and quality seeds are being distributed to the farmers through KSSC. Breeder seeds required for organising foundation seed production is obtained from the University of Agricultural Sciences, Bangalore and Dharwad in advance. Based on the availability of Breeder seeds with Agricultural Universities, the seeds are re-allotted to the Seed Farms and the remaining area is utilised for certified seed production. Seed production in seed farms is restricted usually to irrigated areas. In dry and other areas Horticulture, Forest/ Bio fuel plants are taken up.

a)	**Name of the scheme and year of Introduction**	**Commissionarate of Agriculture: Farm Information Unit- 1967-68**
b)	Budget Head	2401-00-109-0-21 sub head: 059
c)	If Plan, the Central & State share is	State sector scheme - 0:100

d)	Objective of the Programme/Project/ Scheme:	The scheme aims at transfer of improved agricultural technologies to extension personnel and the farming community to support the available extension activities, with the objective of increasing agricultural production. A network of information services is available with the Department to provide media support to extention personnel and the farming community. Special publicity literatures, leaflets,folders etc and other visual aids are brought out at state, district and taluk levels and at training centres to educate the farmers.Phone-in programmes are being conducted in All India Radio & Doordarshan besides broadcast of daily tips to farmers.Timely press releases are also given adhering to the requirements of the situation.
e)	State & Estimated benefit & number of estimated beneficiaries from the Programme/ Project/Scheme: (measurable output at the end of the year)	Adhering to the requirements of the situation, special extension literatures are brought out at state, district and taluk levels for the benefit of the farming community. Phone-in programmes are being conducted through All India Radio & Doordarshan besides broadcast of daily tips to farmers through out the state.
f)	Financing:(Rs. in Lakhs)	Rs. 97.00 lakhs

g) Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23(till March-23 end)		Budget Estimate 2023-24
Grants	Exp	Grants	Exp	Grants
431.00	419.84	97.00	96.07	-

h) Physical Achievements (Units: in nos)

2021-22		2022-23		Two key Audit observations/Inspection findings of year
Tar	ach	Tar	Ach	Audit not completed for the year
-	-	-	-	

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

According to requirements of the situation, preparation & distribution of extention literature, release of press notes, preparation of Guidelines, handbook of Departmental schemes, broadcast of tips to farmers through AIR and Doordarshan, programmes through AIR & DD are being successfully implemented under this scheme.

a	Name of the scheme & year of starting	**Commissionarate of Agriculture: Upgradation Of District Agriculture Training Centre - State Sector - 2008-09**
b	Budget head of account	2401-00-001-1-01 Sub head - 059

c	Central and state share if any	0:100
d	Programme/project/ scheme objectives	▪ Construction of new buildings for DATC. ▪ Providing satisfactory accommodation for trainees in the hostel by strengthening infrastructure facilities. ▪ Purchase of audio visual aids for imparting more effective training programmes.
e	Expected outcome of the Programme/ project/ scheme (a) & expected beneficiaries (b) (measurable outcome at the end of the year)	(a) Hostel with good accommodation facilities, New buildings for DATC's and effective Training programmes. (b) Farmers/ farm women and extension officers are the indirect beneficiaries.
f	Finance (Rs.in lakhs)	Rs.60.00 lakhs.

g. Expenditure : (Rs. in lakhs)

Actual/Accounts 2021-22		2022-23(March-2023 end)		Budget Proposed 2023-24
Grants	Expenditure	Grants	Expenditure	200.00
50.00	49.96	60.00	59.99	

h. Physical Achievements (Units :in Nos)

2021-22		2022-23(March- 2023 end)		Audit Details
Target	Achievement	Target	Achievement	
14	14	16	16	-

i.Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

Not Applicable

a	Name of the scheme and year of Introduction	**Commissionerate of Agriculture Building Expenditure - (State Sector), 2000-01**
b	Budget Head	2401-00-001-1-01, Sub-Head-071-
c	Central & State share under the State Sector.	State Sector - (100%)
d	Objective of the programme	Agricultural Extension Programme was started during 1977-78, later it was continued as Rashtriya Krishi Vistarna scheme further Continued as Commissionerate of Agriculture from 2000-01. Under this Scheme the amount will be released to meet the building rent, tax, water connection, electricity, telephone charges and also the

		maintenance charges of the Joint Director, Deputy Director, taluk Assistant Director and RSK which are housed in non-departmental buildings
e	Estimated benefit & number of beneficiaries	Under this Scheme the grants utilized for maintenance charges for offices of Department of Agriculture.
f	Financial (Rs.in lakhs)	Financial Target for 2022-23 is Rs. 145.00 lakhs.

g) Expenditure: (Rs. in lakhs)

Actual/Accounts 2021-22		2022-23 (Jan-2023)		Budget Estimate 2023-24
Grants released	Exp	Grants released	Expenditure	Expected Grants
308.10	299.33	375.00	362.54	160.00

g) Physical Achievements (Units: in Nos)

2020-21		2021-22		Audit observations
Tar	Ach	Tar	Expenditure	
996	996	996	996	

i)Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

-Not Applicable-

a	Name of the scheme and year of Introduction	**Commissionerate of Agriculture** **Deputation of Agriculture Students to Raitha Samparka Kendras: State sector** Scheme, 2012-13
b	Budget Head	2401-00-001-1-01 sub head :103
c	Central & State share under the State Sector.	State Sector Scheme – 100% State share
d	Objective of the programme	The final year students from Agriculture and Horticulture Universities will be deputed at least for 3 months to Raitha Sampaka Kendras for acquiring minimum practical skills, field experience and knowledge. Monthly honorarium of Rs.3000/- will be paid to them.
e	Estimated benefit & number of beneficiaries	The final year students will acquire minimum practical skills, field experience and knowledge through placement in Raitha Samparka Kendres Number of beneficiaries- 2139
f	Financial (Rs.in lakhs)	Rs. 120.00 lakhs.

g) Expenditure : (Rs. in lakhs)

Actual/Account 2021-22		Revised Estimate 2022-23		Budget Estimate 2023-24
Grants released	Exp	Grants released	Exp	Expected Grants
200.00	200.00	120.00	118.68	100.00

h) Physical Achievements (Units :in Nos)

2021-22		2022-23		Audit observations
Tar	Ach	Tar	Ach	Just mention whether Audit has been completed for the year or not. Mention Audit observation if any
2000	2691	2139	1476	

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

Not Applicable

a	Name of the scheme & year of starting	**Commissionerate of Agriculture** **District Agriculture Training Centre (Plan) State Sector (Maintenance) - 2001-02**
b	Budget head of account	2401-00-001-1-01 Sub head- 200 Maintenance
c	Central and state share if any	0:100
d	Programme/project/ scheme objectives	▪ Strengthening of infrastructure facilities of the training centre for imparting effective training programmes
e	Expected outcome of the Programme/ project/ scheme (a) & expected beneficiaries (b) (measurable outcome at the end of the year)	(a) Well equipped hostel building and providing audio visual aids for effective training programmes. (b) Trained farmers /farm women and extension officers are the indirect beneficiaries (Number of Civil works and audio visual aids provided)
f	Finance (Rs.in lakhs)	Rs.77.00 lakhs.

g. Expenditure : (Rs. in lakhs)

Actual/Accounts 2021-22		2022-23(March- 2023 end)		Budget Proposed 2023-24
Amount Released	Expenditure	Amount Released	Expenditure	125.00
100.00	98.72	77.00	76.99	

h. Physical Achievements (Units :in Nos)

2021-22		2022-23(Jan 2022 end)		Audit Details
Target	Achievement	Target	Achievement	
23	23	23	23	-

i. Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

Not Applicable

a)	Name of the scheme and commencement of the year	**Commissionerate of Agriculture** **Building and Repairs** **04-09-1980**
b)	Budget – Head of Account	2401-00-001-1-01 (sub-head 200)
c)	Central & State share under the scheme	State 100%
d)	Objective of the programme	Civil works Repairs, maintenance of all Office building in Agriculture Department.
e)	Estimated benefit and no.of beneficiaries	Not applicable
f)	Finance (in lakhs) 2023-24	Sub head 200: 625.00 lakhs

g.) Expenditure (Rs in lakhs)

Actual /Accounts 2021-22		Revised Estimate 2022-23		Budget Estimate 2023-34
Grants released Rs in lakhs	Expenditure Rs in lakhs	Grants released Rs in lakhs	Expenditure Rs in lakhs	Grants Rs in lakhs
Sub head 200 : 619.75	Rs. 619.08	600.00	598.59	Rs.625.00

h) Physical achievement (Units : in nos)

2021-22		2022-23		Audit Observations
Target	Achievement	Target	Achievement	Just mention whether Audit as been completed for the year or not mention Audit Observation if any
Not applicable				No

i.)Brief analysis of the performance trends and implementations constraints reason for short fall in delivering the benefit/ reaching out to the beneficiaries and delay in implementations.

Not applicable

State Directorate of Secondary Agriculture

The Directorate of Secondary Agriculture is established for the first time in India with the mission of doubling the farmers income. Secondary Agriculture is defined to be any activity/ operation that utilizes the primary produce of agriculture, and adds value to it by any process using local manpower and skills thereby providing more returns to the farmer through Agriculture, Horticulture, Dairy, processing of animal products and Cottage & Rural industries. With a view to have a compact

and sustained mechanism a separate Directorate of Secondary Agriculture has been established in Karnataka.

a)	Name of the scheme and year of introduction	**State Directorate of Secondary Agriculture** 2022-23
b)	Budget Head	2401-00-001-1-14 sub head- 059 (State Sector)
c)	If Plan, the Central & State share is	State Sector Scheme
d)	Objective of the Programme/project/ scheme	• With the view of increasing framers income, to utilize the primary product and by-products of agriculture and other biological resources as raw materials for processing, value addition, packing and branding and providing market facilities is the main objective of Secondary Agriculture. • Secondary Agriculture acts a bridge for employment and income generation through agriculture and allied activities. • To work towards creation of various sources of income to farm household thereby overcoming the problems of agriculture. • To promote agriculture/ rural and cottage industries and usage of low capital and technology
e)	State& estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	Estimated Benefit: To increase the income of the farmers Estimated Beneficiaries: 100
f)	Financing (Rs. in lakhs)	Rs.500.00 Lakhs

g. Expenditure (Rs. in Lakhs) till March end 2023

Estimate **2022-23** (In lakhs)		Budget Estimate **2022-23** (In lakhs)	Remarks
Grants	Exp.	Grants	
250.00	242.87	573.00	

h. Physical Achievement (Units in no's)

2022-23 (Numbers)		**Audit observation**
Tar	Ach	
39.00	63.00	Not applicable

i. Brief analysis of the performance trend and implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries: As the Director is the only sanctioned post in the organization set up and no additional posts can be allowed to create for the Directorate, there is a need of additional staff to the Directorate.

a)	**Name of the scheme and year of introduction**	**Unspent SCSP-TSP Amount as per the SCSP-TSP Act (Plan) State Sector Implemented in the State from 1997-98**
b)	Budget Head	2401-00-001-1-75
c)	If Plan, the Central & State share is	The fund has been utilised as matching fund with the SMAM scheme (State)
d)	Objective of the Programme/project/ scheme	To provide benefit to more SC and ST beneficiaries.
e)	State& estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	642
f)	Financing (Rs. in lakhs)	1423.74

g) Expenditure (Rs. in Lakhs)

Actual / Accounts 2021-2022		Revised Estimate 2022-2023 (End of March - 23)		Budget Estimate 2023-24
Grants	Exp.	Grants	Exp.	Grants
1423.74	1422.89	641.71	639.36	53.81

h) Physical Achievement (Units in no's)

2021-22		Audit observation
Tar	Ach	
0	891	Not audited

a)	Name of the scheme and year of introduction	**Farmers Incentive & Support Schemes: Committees & Consultancies 1993-94**
b)	Budget Head	**2401-00-102-0-28 (Plan) sub head 059**
c)	If Plan, the Central & State share is	**State Sector - Plan (0:100)**
d)	Objective of the Programme/project/ scheme	1. To bear the recurring expenditure of the members of Committee and Consultancies constituted for easy and time to time execution of the various agricultural

		schemes. 2. To bear the expenses of the members who assemble for meeting as consultants to adopt advanced technology from time to time. 3. To bear the expenses pertaining to conduct season wise programmes for strengthening the agricultural technologies.
e)	Estimated benefit & number of beneficiaries	100 Meeting
f)	Financial (Rs. in lakhs)	**Rs.20.00 Lakhs**

g) Expenditure (Rs. in Lakhs)

Actual / Accounts **2021-2022**		Revised Estimate **2022-2023 (Up to End January-2023)**		Budget Estimate **2023-24**
Grants	Exp.	Grants	Exp.	Grants
50.00	9.70	20.00	10.20	50.00

h) Physical Achievement (Units in no's)

2021-22		**Audit observation**
Tar	Ach	Nil
100	100	

i) Brief analysis of the performance trend and implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries and delay in implementation:- **Not Applicable**

a)	**Name of the scheme and year of Introduction**	**Farmer's Incentives & Support Schemes: Krishi Prashasthi & Krishi Pandit Prashasthi Programmes: Krishi Prashasthi-1992-93 Krishi Pandit Prashasthi -2001-02**
b)	Budget Head	2401-00-102-0-28 : Sub head 059
c)	If Plan, the Central & State share	State sector scheme - 0:100
d)	Objective of the Programme/Project/ Scheme:	**Krishi Prashasthi**- Significant improvement in agricultural production since the past three decades has been possible due to active participation and innovative efforts of farmers. In order to recognise and encourage

		such farmers who have achieved higher yields in selected crops, Krishi Prashasthi awards are presented to farmers at State, District & Taluk Levels. **Krishi Pandit Prashasthi** - Phenomenal increase in agricultural production since the past three decades has been possible due to creative and innovative efforts of farmers. In order to recognise and encourage farmers who have contributed to the welfare of the farming community through their innovations & constructive work in Agriculture. Krishi Pandit Prashasthi awards are presented to farmers under this scheme.
e)	State &Estimated benefit & number of estimated beneficiaries from the Programme/Scheme: (measurable output at the end of the year)	Krishi Prashasthi-682 (all levels) Krishi Pandit Prashasthi -22 (State level)
f)	Financing: (Rs. in Lakhs)	Rs. 99.40 lakh.

g) Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23(till March-2023 end)		Budget Estimate 2023-24	
Grants	Exp	Grants Rel.	Exp	Grants	Exp
80.33	78.63	99.40	98.47	100.00	-

h) Physical Achievements (Units: in nos)

2021-22		2022-23		Two key Audit observations/ Inspection findings of year
Tar	Ach	Tar	ach	-
-	-	-	-	

i. Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: No Constraints

a)	Name of the scheme and year of Introduction	**Farmers Incentives & Support Schemes: 1% Crop loan interest subsidy, 2009-10**
b)	Budget Head	2401-00-102-0-28 plan sub head: 059
c)	Central & State share under the scheme	State Sector Scheme (0:100)

d)	Objective of the Programme	The benefits of the 1% interest subsidy is available to the farmers who repay crop loan along with the interest within due date upto Rs. 1.00 lakh.
e)	Estimated benefit & number of beneficiaries	-
f)	Financial (Rs. In Lakhs)	An amount of Rs. 585.20 lakhs has been provided for the scheme during 2022-23.

g) Expenditure: (Rs. in Lakhs)

Progress 2021-22		Progress 2022-23		Budget Estimate 2023-24
Grants released	Expenditure	Grants released	Expenditure	Grants
483.35	483.35	585.20	585.20	400.00

h.Physical Achievements(Units: in Nos):

2021-22		2022-23		Audit Observations
Tar	Ach	Tar	Ach	
-	126933	-	174546	

ii. Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries and delay in implementationNot Applicable.

a	Name of the scheme and year of Introduction	**Farmers Incentives & Support Schemes: Karnataka Agricultural Price Commission 2014**
b	Budget Head	2401-00-102-0-28 Sub-head 059,103 & 115
c	Central & State share under the scheme	0: 100 (Centre : State Funding)
d	Objective of the Programme	Conducting studies and giving suitable recommendations to the Govt. regarding remunerative price for the farm produce, Improving the basic facilities for market, stabilization of market through price and non-price mechanisms, critical marketing interventions during the period of glut, crop insurance, etc.,
e	Estimated benefit & number of beneficiaries	-
f	Financial: (Rs. In Lakhs)	Rs.101.00 lakhs

g) Expenditure: (Rs. In Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23 (Upto March 2023)		Budget Estimate 2023-24
Grants released	Exp	Grants released	Exp	Expected Grants
165.00	150.67	210.74	65.55	101.00

h) Physical Achievements (Units: in Nos)

2021-22		2022-23 (Upto March 2023)		Audit observations
Tar	Ach	Tar	Achievement	-
-	-	-	-	

i.) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: ***Not Applicable.***

a	Name of the scheme and year of Introduction	**Agricultural Inputs and Quality Control:** **Fertilizer Control Laboratories**
b	Budget Head	2401-00-103-0-15 (Plan)
c	Central & State share under the scheme	0: 100
d	Objective of the Programme	Maintenance and strengthening of Fertilizer Control Laboratories to facilitate implementation of fertilizer quality control programme -Analysis of Fertilizer samples as per Fertilizer Control Order.
e	Estimated benefit & number of beneficiaries	Fertilizer Quality Control.
f	Financial: (Rs. In Lakhs)	Rs. 696.80 Lakhs.

g) Expenditure: (Rs. In Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23 (Up to March 2023)		Budget Estimate 2023-24 (including salary)
Grants released	Expenditure	Grants released	Expenditure	Expected Grants
117.67	115.81	113.79	110.22	696.80

h) Physical Achievements (Units: in Nos)

2021 - 22		2022– 2023 (Up to March 2023)		Audit observations
Target	Ach	Target	Achievement	-
14000	11496	18000	14458	

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: **Not Applicable.**

a	Name of the scheme and year of Introduction	**Agricultural Inputs and Quality Control: Bio-Fertilizer and Organic- Fertilizer Quality Control laboratories 2015-16.**
b	Budget Head	2401-00-103-0-15 (Plan)
c	Central & State share under the scheme	0: 100
d	Objective of the Programme	Analysis of Bio-fertilizers and organic fertilizer samples and Maintenance and strengthening of bio-fertilizer and organic fertilizer Laboratories to facilitate implementation of bio-fertilizer and organic fertilizer quality control programme.
e	Estimated benefit & number of beneficiaries	Bio fertilizer and Organic Fertilizer Quality Control.
f	Financial: (Rs. In Lakhs)	Rs.324.00 Lakhs.

g) Expenditure: (Rs. In Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23 (Up to March 2023)		Budget Estimate 2023-24 (including salary)
Grants released	Expenditure	Grants released	Expenditure	Expected Grants
17.35	16.23	31.79	31.22	324.00

h) Physical Achievements (Units: in Nos)

2021-22		2022– 2023 (Up to March 2023)		Audit observations
Target	Ach	Target	Achievement	-
3860	973	3860	1302	

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: **Not Applicable.**

a.	Name of the Scheme and year of introduction	**Inputs and Quality control** **Bangalore-1972** **Bellary-1983** **Shimoga, Dharwad,kalaburgi-1998** **Mandya-2009**
b.	Budget Head	2401-00-103-0-03 Sub Head-180
c.	Central and State share under the scheme	0:100 State sector scheme
d.	Objective of the programme	1. Qualitative analysis of pesticides to ensure quality pesticide to the farmers. 2. BCL/ Parasite laboratories are involved in production of parasitoids and biopesticides and quality analysis of biopesticides. 3.Strengthening of SPTL/BCL/PRAL
e.	Estimated benefit and number of beneficiaries	Pesticide/Biopesticide quality control
f.	Financial: (Rs. in Lakhs)	Rs 90.00 Lakhs

Expenditure: (Rs. in Lakhs)

Laboratory	**2021-22**		**2022-23 (till March)**		**2023-24**
	Grants released	**Expenditure**	**Grants released**	**Expenditure**	**Expected Grants**
SPTL& PRAL/BCL	57.78	49.33	70.205	70.190	90.00

Physical Achievement(Units in no& Ha)

Sl.no	**Lab**	**2021-22**		**2022-23 (till March)**	
		Target(No.)	**Achievement**	**Target**	**Achievement**
1	**SPTL**	6800	6683	7193	6444
2	**PRAL**	400	977	350	302
3	**BCL(Ha)**	43500	28316.98	43250	19702.48

Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: -Not Applicable-

a)	**Name of the scheme and year of Introduction**	**Agriculture Inputs and Quality Control , Soil Health Mission, 2015-16**
b)	Budget Head	2401-00-103-0-15, Sub head 034,051.059, 071,180,195 &200

c)	If Plan, the Central & State share is	State Sector Scheme (0 & 100)
d)	Objective of the Programme/Project/Scheme :	1. To analyze soil samples for issue of soil health cards to farmers to address nutrient deficiencies in fertilization practices. 2. Outsourcing of staff for soil sample analysis, maintenance and strengthening of infrastructure facilities in Department soil testing laboratories.
e)	Financing: (Rs. in Lakhs)	Financial Target for 2022-23 is Rs. 849.57 lakhs.

f) Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23(Up to March 2023)		Budget Estimate 2023-24
Grants released	Exp	Grants released including OB	Exp	Expected Grants
505.00	501.89	723.17	716.40	547.66

h) Physical Achievements (Units: in nos)

Particulars	2021-22		2022-23(Up to March 2023)		Audit observations
	Tar	Ach	Tar	Ach	-
No of soil sample analysed	145000	139445	145000	153314	
Outsource staff	146	146	146	146	
Maintanence and strengtheing of infrastructure (No of soil testing labs)	30	30	30	*30*	

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

Not applicable

Seeds:

Seed is an important and crucial agricultural input. It is reported that use of quality seeds contribute to nearly 20 to 25% of the crop yield. Timely supply of required seeds is most important to increase food production and farmers income. Based on the Seed Replacement Rates, the Department works out the requirement of certified/quality seeds and communicates to all the concerned Department Officers and the seed supplying agencies for timely supply of seeds to the farming community. Regular meetings of the Seed producers/suppliers are conducted and supply position of seeds is reviewed scrupulously.

General Seed Distribution:

During 2022-23 as per the Seed Replacement norms, it was estimated that totally 15.60 lakh quintals certified/quality seed are required for the State. As against this requirement, 14.60 lakh quintals (Upto end of March 2023) of seeds have been distributed. Season wise Seed distributed is as follows: (Quantity in Lakh Quintals)

Sl. No	Season	Target	Achievement	% of Achievement
1	Kharif- 2022	11.6	9.85	84.91
2	Rabi/Summer 2022-23	4.00	4.75	118.75
TOTAL		15.60	14.60	93.59

Seed Distribution at Subsidised Rate during 2022-23:-

The Department is distributing seeds at subsidized rates under State Sector 'Seed Distribution and other Inputs' Scheme. Under this scheme, both Certified and Truthfully Labeled seeds including Private hybrids are distributed and Seeds are distributed to an extent of 2.00 hectares per farmer or his holding whichever is less. As per the Karnataka Transparency in Public Procurement Act, tenders are called for sourcing the seeds and agency wise quantity offered and supply rates are communicated to the Departmental Officers for distribution of seeds to the farming community.

Seeds are distributed to farmers through the Departments Raitha Samparka Kendras situated at Hobli head quarters and identified additional sale points of Govt. Institutions. Supply of seeds at Hobli level has helped the farmers in getting the required seeds almost at their doorsteps. Distribution of seeds at subsidised rates is helping the farming community to use good quality seeds and the Seed Replacement Rate is increasing considerably.

a	Name of the scheme and year of Introduction	'Seeds Distribution and Other Investments' Scheme : 2005-06
b	Budget Head	2401-00-103-0-15 (106)(422)(423)
c	Central & State share under the scheme	State Sector Scheme (0:100)
d	Objective of the Programme	Under 'Seeds Distribution and Other Investments' Scheme, Certified and Truthfully Labeled seeds including Private hybrids are distributed to an extent of 2.00 hectares per farmer or his holding whichever is less
e)	Estimated benefit & number of beneficiaries	16.00 lakhs beneficiaries.
f)	Financial: (Rs. in Lakhs)	Rs.17948.04 lakhs.

g)Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		**Actual/Accounts 2022-23**		**2023-24 Budget**
Grants released	**Exp.**	**Grants released**	**Exp.**	
Rs.18000.00	Rs.17991.07	Rs.17948.04	Rs.17930.66	Rs.16000

h) Physical Achievements (Units: in Nos)

2021–22		2022–23	
Target	Achievement	Target	Achievement
880000	690276	880000	780000

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: -Not Applicable –

a	Name of the scheme and year of Introduction	**Seed Risk Fund and GIA to KSSC, KSSOCA, 2010-11**
b	Budget Head	2401-00-103-0-15 (103)
c	Central & State share under the scheme	State Sector Scheme (0:100)
d	Objective of the Programme	To give Financial assistance to Public Sector institutions for seeds produced and remaining after distribution by these institutions and disposed off as grains. Assistance is given in terms of difference in cost of seeds disposed as grains. Financial assistance for strengthening and seed production to KSSC, strengthening and development activities for KSSOCA and Karntaka Pulses Development Board.
e)	Estimated benefit & number of beneficiaries	Partially compensating the loss to Public Sector Seed producing institutions.
f)	Financial:(2022-23) (Rs. in Lakhs)	Rs. 1000.00 Lakhs (800.00+200.00)

g)Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		Actual/Accounts 2022-23		**2023-24 Budget**
Grants released	Expd	Grants released	Expd	
800.00	800.00	1839.49	1839.49	800.00

h) Physical Achievements (Units:Qty. in Quintals)

2021-22		2022-23	
Target	Achievement	Target	Achievement
-	44603	-	329963.5

i) GIA to KSSC, KSSOCA & Tur Board(Rs. In lakhs)

Actual/Accounts 2021-22		Actual/Accounts 2022-23		**2023-24 Budget**
Grants released	Expd	Grants released	Expd	
200.00	200.00	200.00	200.00	200.00

Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:
-Not Applicable-

a)	**Name of the scheme and year of introduction**	**Agricultural Inputs and Quality Control Plant Protection**
b)	Budget Head	2401-00-103-0-15 (Plan)
c)	If Plan, the Central & State share is	State sector scheme - (0:100)
d)	Objective of the Programme/Project/ Scheme:	Promotion of integrated pest management approach through distribution of bio- pesticides under subsidy to farmers to control insects, diseases and weeds in crop fields effectively besides reducing environmental pollution. Pesticides are supplied to farmers under subsidy for timely control of endemic and epidemic pests of imporant agricultural crops. In order to protect the crops from seed and soil borne pest and diseases in earlier crop statges, inturn to get higher yields, awareness has been created by conducting seed treatment campaigns. The composite inspectors of seed, fertiliser and pesticides are trained to effectively regulate the quality of agricultural inputs like seeds, fertilizers and insecticides under respective Acts. Funds are also made available for effective regulation and implementation of quality control programme. To create awareness among farmers and input

		dealers regarding the safe and judicious use of pesticides, training programmes are being conducted with the availble funds under this scheme.
e)	State & Estimated benefit & number of estimated beneficiaries from the Programme /Project/ Scheme: (measurable output at the end of the year)	There is reduction in the use of chemical pesticides and increase in use bio-pesticides. The crops are effectively protected from different pests and there is increase in production and productivity. Quality agricultural inputs are provided to farmers. About 45636 farmers are benefitted by this programme.
f)	Financial: (Rs. in Lakhs)	Grants allotted during the year 2022-23 is Rs 1076.0 lakhs.

g) Expenditure (Rs. in Lakhs)

Actual / Accounts **2021-22**		Revised Estimate **2022-2023**		Budget Estimate **2023-24**
Grants	Exp.	Grants	Exp.	Grants
300.00	299.59	1076.00	1057.11	500.00

h) Physical Achievement (Units in no's)

2022-23 (Upto Jan 2023)		**Audit observation**
Tar	Ach	-
185200	183968	-

a	**Name of the scheme and year of Introduction**	**Agriculture inputs and Quality Control: Bank Interest subsidy on Fertilizers**
b	Budget Head	2401-00-103-0-15
c	Central & State share under the scheme	0:100
d	Objective of the Program	Buffer stock scheme has been implemented to facilitate storage, transportation and bank interest rate for the loan purchased for the Karnataka State co-operative Marketing Federation and Karnataka State Seed Corporation Ltd.
e	Estimated benefit & number of beneficiaries	Ensure proper and timely supply of fertilizers to the farmers through societies, Buffer stock scheme has been implemented through Karnataka State co-operative Marketing Federation and Karnataka State Seed Corporation.

f	Financial: (Rs. In lakhs)	Rs. **2588.77** lakhs.

g) Expenditure: (Rs. lakhs)

Actual/Accounts 2021-22		Estimate 2022-23(till MAR-23)		Budget Estimate 2023-24
Grants released(Revised)	Exp	Grants released	Exp	Expected Grants
4000.00	**4000.00**	**2588.77**	**2588.77**	**4809.00**

h) Physical Achievements (Units: MT)

2021-22		2022-23		Audit observations
Tar	Ach	Tar	Ach	Audited
-	-	-	-	

a	Name of the Scheme and Year of Introduction i)Title of the scheme ii)Year of Commencement-	**Agriculture Inputs and Quality Control** **(State Sector)** **Enrichment of Soil Fertility** **Year of Commencement-2010-11**			
b	Budget Head	2401-00-103-0-15 (Plan) Sub Head: Subsidy- **106, 422, 423.**			
c	Central and State Share under the scheme	State Sector Scheme (100% State share) (0:100)			
d	Objectives of theProgramme	1. Increasing the Soil Fertility and Production capacity. 2. Reducing the Farmer's Production Cost 3. Improve the economic condition of the farmers in the State 4. Production of non-chemical quality foods. 5. Control the draught situation in rainfed areas. 6. Protection of Environment and health of Human and Animals.			
e	Estimated Benefit and number of Beneficiaries	Estimated Benefit: The economic status of the farmers has improved to some extent. No. of beneficiaries is on an average :**7456**			
f	Finance : (Rs.in lakhs) - Rs. **275.00** Lakhs				
g	Expenditure : (Rs.in lakhs)				
	Actual Accounts 2021-22		Revised Estimate 2022-23 (Till the end of Mar-2023)		**Budget Estimate-2023-24**
	Grants Released	Expenditure	Grants Released	Expenditure	Grants
	300.00	**294.83**	**275.00**	**241.80**	**2500.00**

h	**Physical Achievements : (Unit : Nos & Hectares)**			
	2021-22		**2022-23**	
	Tar	**Ach**	**Tar**	**Ach**
	Ha: 9709	**Ha: 8720**	**7724 Ha.**	**7456 Ha.**
i	Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries and delay in implementation.		-	

a	Name of the Scheme and Year of Introduction i)Title of the scheme ii)Year of Commencement-		**Agriculture Inputs and Quality Control Scheme (State Sector)** **Mission to Enhance Organic Carbon in Soil** **Year of Commencement-2021-22**		
b	Budget Head		2401-00-103-0-15 (Plan) Sub Head:Susidy-**106, 422, 423.**		
c	Central and State Share under the scheme		State Sector Scheme (100% State share) (0:100)		
d	Objectives of theProgramme		1. Enhance Organic Carbon in Soil. 2. Incorporation of pulses and green manures in soil. 3. Organic carbon allows the soil to retain more moisture. 4. promotes high biological activity and aidsin better crop growth. 5. Control the draught situation in rainfed areas.		
e	Estimated Benefit and number of Beneficiaries		Estimated Benefit: The economic status of the farmers has improved to some extent. No. of beneficiaries is on an average :**22122**		
f	Finance : (Rs.in lakhs) - Rs**. 750.00** Lakhs				
g	Expenditure : (Rs.in lakhs)				
	Actual Accounts 2021-22		Revised Estimate 2022-23 (Till the end of Mar-2023)		Budget Estimate 2023-24
	Grants Released	Expenditure	Grants Released	Expenditure	Grants
	500.00	**490.99**	**750.00**	**712.11**	**300.00**
h	**Physical Achievements : (Unit : Nos & Hectares)**				
	2021-22 (In Ha.)		2022-23(In Ha.)		Audit Observations

	Tar	Ach	Tar	Ach (Till the end of Mar-2023)	
	16672	**16658**	**25004**	**22122**	**2021-22 accounts not audited.**
i	Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries and delay in implementation.			The scheme has been implemented successfully. This has helped in enhance organic carbon in soil & hence helped to increase production.	

a)	Name of the scheme and year of introduction	**Agriculture inputs and Quality Control: Farm Mechanization (Plan)** **State Sector** Implemented in the State from 1997-98
b)	Budget Head	2401-00-103-0-15
c)	If Plan, the Central & State share is	State sector scheme
d)	Objective of the Programme/project/ scheme	• Reducing the drudgery in agricultural operations. • Reducing the cost of cultivation • Helps in timely operation of agricultural operation. • Increase the production and productivity. • To maintain the financial competitiveness and sustainability in agriculture sector. • Employment generation in agriculture and allied sectors.
e)	State& estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	Used as matching grants The scheme is being implemented with the assistance of GOI as per revised guidelines of SMAM by GOI, the maximum limit of subsidy is matched with GOK funds so as to provide 50% subsidy to the General farmers and 90% subsidy to SC and ST Farmers.
f)	Financing (Rs. in lakhs)	Rs. 12000.00 lakhs

g) Expenditure (Rs. in Lakhs)

Actual / Accounts 2021-2022	Revised Estimate 2022-2023	Budget Estimate 2023-24

		(End of Mar-23)		
Grants	Exp.	Grants	Exp.	Grants
16969.60	16879.11	11671.70	11616.05	Rs. 12000.00

h) Physical Achievement (Units in No's)

2022-23		Audit observation
Tar	Ach	
0	0 (grants used only for matching)	NOT Audited

a)	**Name of the scheme and year of introduction**	**Agriculture inputs and Quality Control:** **Agro processing** **Implemented from the year 2006-07**
b)	Budget Head	2401-00-103-0-15
c)	If Plan, the Central & State share is	The scheme is being implemented with the assistance of GOI as per revised guidelines of SMAM by GOI, the maximum limit of subsidy is matched with GOK funds so as to provide 50% subsidy to the General farmers and 90% subsidy to SC and ST Farmers.
d)	Objective of the Programme/project/ scheme	The objectives of the scheme is to help the farmers in qualitative processing of the agriculture produce which is helpful to farmers as well as consumers. To promote the use of appropriate technologies that reduces losses and improves quality of the produce and to reduce the labour dependency and drudgery in post harvest operations Agro Processing Units, Small Automated Oil mills and Tarpaulins are being distributed.
e)	State& estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	2,26,368 beneficiaries
f)	Financing (Rs. in lakhs)	Rs. 3775.18 lakhs.

g) Expenditure (Rs. in Lakhs)

Actual / Accounts 2021-2022	Revised Estimate 2022-2023 (End of March - 23)	Budget Estimate 2023-24

Grants	Exp.	Grants	Exp.	Grants
3747.73	3727.14	3775.18	3775.18	3500.00

h) Physical Achievement (Units in No's)

2022-23		Audit observation
Tar	Ach	
128104	2,26,368	NOT Audited

a)	**Name of the scheme and year of introduction**	**Agriculture inputs and Quality Control: Krishi Yantra Dhare (Establishment of Farm Machinery Custom Hire Service Centres) Implemented in the State from 2014-15**
b)	Budget Head	State Sector: 2401-00-103-0-15 (106)
c)	If Plan, the Central & State share is	State Sponsored Scheme The grants provided under this scheme will be utilized as a supplementary grant to the grants provided under the Centrally sponsored RKVY & SMAM Scheme.
d)	Objective of the programme/ project/ scheme	The project proposes to provide Farm Machineries to Small and Marginal farmers at hiring charges in all the districts of the State.
e)	State& estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	Till date around 42.00 lakh farmers have been benefitted from this programme.
f)	Financing (Rs. in lakhs)	Rs.3000.00 lakhs

g) Expenditure (Rs. in Lakhs)

Actual / Accounts 2021-2022		Revised Estimate 2022-23 (End of March-23)		Budget Estimate 2023-24
Grants	Exp.	Grants(Released)	Exp.	Grants
2366.28	2348.78	197.23	60.47	Rs. 5000.00

h) Physical Achievement (Units in no's)

2022-23		Audit observation
Tar	Ach	
0	0	Not audited

a	Name of the Scheme and Year of Introduction i)Title of the scheme ii)Year of Commencement-	**Agriculture Inputs and Quality Control Scheme (State Sector)** **Raitashakthi Scheme** **Year of Commencement-2022-23**
b	Budget Head	2401-00-103-0-15 (Plan) Sub Head:Susidy-106, 422, 423.
c	Central and State Share under the scheme	State Sector Scheme (100% State share) (0:100)
d	Objectives of the Programme	"Raitha Shakthi" is a new scheme, it has been announced in 2022-23 budget to encourage mechanized agriculture by farmers and to reduce the burden on fuel cost by providing Diesel subsidy to farmers through DBT for a maximum of five acres at a cost of Rs. 250 per acre.
e	Estimated Benefit and number of Beneficiaries	Estimated Benefit: Diesel Subsidy. No. of beneficiaries is on an average : 56.22 lakhs

f	Finance : (Rs.in lakhs) : Rs. 40000.00 Lakhs				
g	Expenditure : (Rs.in lakhs)				
	Actual Accounts 2021-22		Revised Estimate 2022-23 (Till the end of MAR-2023)		Budget Estimate 2023-24
	Grants Released	Expenditure	Grants Released	Expenditure	Grants
	-	-	42714.35	41454.035	40000.00

h	Physical Achievements : (Unit : Nos & Hectares)				
	2021-22		2022-23(Till the end of MAR-2023)		Audit Observations
	Tar	Ach	Tar	Ach	
	-	-	51.25 Lakhs	56.22 Lakhs	Not applicable

i	Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries and delay in implementation.	The scheme has been implemented successfully. With this, 56.22 lakh beneficiary farmers from all categories in the state have been given diesel subsidy under DBT successfully.

a	Name of the Scheme and Year of Implementation	**Organic Farming and Millets Programmes (Raitha Siri & Organic Products Promotional Programe) 2022-23.**
b	Head of Account	2401-00-104-0-12 (059, 106, 422, 423)
c	If Plan scheme, share of Central and	State Scheme (0:100)

	State. (Eg: 75:25 or 100:0 or 0:100)	
d	Objectives of Programme	Organic Farming and Millets Programmes • To enhance the organic certified area in the State. • To take up crops in low rainfall areas and low fertility soils. • Scientific validation studies on Natural farming system. • Development of "Sustainable Ecological Farming" system involving organic and natural farming practices with the aim of creating awareness among farmers about conservation and development of natural resources to improve crop productivity and livelihood of farm families. • To increase area and production of nutri-cereals in the state and to support their processing and market activities.
e	Estimated Result and Beneficiaries from this Programme (As per Year ended result)	Organic Farming and Millets Programmes • Under Organic Adoption & Certification programme, assistance of 90% is being provided for the selected individual/group of farmer for organic certification. At present certification process is under progress for 249 groups and 262 individuals with an additional area of 11,693 hectares. In the state additionally about 140 groups and 67 individual proposals are received for organic certification. • Natural Farming Program has been implemented from 2018-19 and scientific validation trials of the system were carried out through Agriculture/Horticulture Universities at Research stations in 10 climatic zones of the state and at selected farmers' field. • Training have been imparted to all the project area farmers of the clusters under the Chief Minister's Natural Farming Scheme. Farmers selected in the 5000 acre project area have been assisted with Rs. 7000/- per acre.
		• Under Raithasiri yojane, farmer who takes

		up cultivation of nutricereals viz., Foxtail millet, Little millet, Kodo Millet, Proso Millet, Barnyard Millet and Brown Top Millet, an assistance of Rs: 10,000/- per hectares, maximum of 2 hectares is being provided through DBT. During 2022-23, 22292 farmers are benefitted with a financial expenditure of Rs.972.10 lakhs from the scheme. Further, two beneficiaries have been benefitted under Processing, Grading, Value addition, Packing and Branding of minor millets programme.
f	Financial(Rupees in Lakhs)	Financial target for 2022-23 is Rs.2480.26 lakhs

g). Expenditure: (Rs. lakhs)

Programme/ Scheme	Sub head	Acutal/Accounts 2021-22		Revised Budget provision 2022-23		Budget 2023-24
		Release	Expenditure	Release	Expenditure	Allocation
Organic Farming and Millet Promotional Programmes	059	3725.00	3711.87	1500.00	1499.95	350.00
	106	1000.00	999.22	768.00	767.99	1072.00
	422	116.91	116.91	92.00	91.25	183.00
	423	110.00	109.94	120.26	112.86	95.00
	Total	**4951.91**	**4937.94**	**2480.26**	**2472.05**	**1700.00**

h) Physical Achievements (Units: in Nos)

2021-22		2022-23		Audit observations
Tar	Ach	Tar	Ach	Audited
1. Organic Farming-Addl. 30000 Hectares 2. Based on crop survey	1. Organic Farming-Addl. 10000 Hectares 2. Minor Millet area - 31696 Hectares	- 2. Based on crop survey	1. Organic Farming-Addl. 3000 Hectares 2. Minor Millet area - 36208 Hectares (Kharif and Rabi)	No
i)	Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:			Not Applicable

a.	**Name of the scheme and year of Introduction**	**HASIRU HABBA/ KRISHI USTAVA / KRISHI ABHIYAANA/ SAMAGRA KRISHI ABHIYAANA - 2008-09**
b.	Budget Head	**State head: 2401-00-109-0-21 (059)**
c.	Central & State share under the scheme	State : Central share - 100:0
d.	Objective of the Programme	To improve productivity of agricultural crops, transfer of new technologies and to disseminate comprehensive information of programmes implemented by Agriculture and allied departments to farmers, the Department of Agriculture has embarked on 'Samagra Krishi Abhiyaana' as an awareness programme. **Objectives:** ▪ Providing comprehensive information of Programmes implemented by Agriculture and allied Departments to farmers. ▪ Awareness regarding adoption of new technologies to improve agricultural productivity ▪ Facilitating Farmer-Scientist Interaction.
e.	Estimated benefit & number of estimated beneficiaries	The expected outcome of Samagra Krishi Abhiyaana is: ▪ Providing comprehensive information of Programmes of Agriculture and allied Departments to the farmers. ▪ Facilitating Farmer-Scientist discussions/ interactions/solving of problems. ▪ Improving Productivity of food crops by encouraging adoption of technologies.
f.	Financial: (Rs. in Lakhs)	Grant of Rs.200 lakhs has been released for organising the programme during the year 2022-23.

g. Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23		Budget Estimate 2023-24
Grants	Exp	Grants	Exp	Rs.555.75 lakhs
200.00	199.741	200.00	199.45	

h. Physical Achievements (Units: in nos)

2021-22	2022-23	Audit

Target	Achievement	Target	Achievement	observations(Audit under or not) prominent paras if any;
741 Hoblis	741 Hoblis	741 Hoblis	741 Hoblis	

ii) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation - Not Applicable.

a)	**Name of the scheme and year of Introduction**	**Agriculture Extension & Training: Agricultural Fairs And Exhibitions- 1967**
b)	Budget Head	2401-00-109-0-21 sub head: 051
c)	If Plan, the Central & State share	State sector scheme - 0:100
d)	Objective of the Programme/Project/ Scheme:	The scheme aims at organisation & participation of farmers and extension personnel in Agricultural fairs, exhibitions, melas organised at National, State, District, Taluk Level, Village level to familiarise and transfer improved agricultural technologies to the farming community with the end objective of increasing agricultural production. Apart from preparation of tableaux for Independence Day, Republic day, Conferences etc, the scheme also provides for preparation and transport of exhibits to melas.
e)	State & Estimated benefit & number of estimated beneficiaries from the Programme/ Project/Scheme: (measurable output at the end of the year)	A large number of farmers through out the state visit and participate in exhibitions, Fairs, melas etc., held at national, state, district, taluk and village levels and in turn gain knowledge of improved agricultural technologies.
f)	Financing: (Rs. in Lakhs)	Rs. 20.00 lakhs

g) Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23(till March-2023 end)		Budget Estimate 2023-24
Grants	Exp	Grants	Exp	Grants
50.00	48.44	20.00	19.89	-

h) Physical Achievements (Units: in nos)

2021-22		2022-23		Two key Audit observations/ Inspection findings of year
Tar	Ach	Tar	Ach	
-	-			Audit has been not completed for the year

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

Agricultural fairs, exhibitions, melas are successfully being organised at national, state, district, taluk level, village level etc which in turn are reaching out to familiarise and transfer improved agricultural technologies to the farming community.

a	Name of the scheme & year of starting	**Agriculture Extension & Training: Training Programme For Extension Officers & Farmers/ Farm Women – 2011-12**
b	Budget head of account	2401-00-109-0-21 (Plan)- Sub head - 059 Other expenditure
c	Central and state share if any	0:100
d	Programme/project/ scheme objectives	▪ To enhance the professional efficiency of the extension officers and farmers/ farm women in agriculture ▪ Common foundation course for Agriculture officers, Assistant Agriculture officers and Agriculture assistants to improve work efficiency.
e	Expected outcome of the Programme/ project/ scheme (a) & expected beneficiaries (b) (measurable outcome at the end of the year)	(a) Arriving at Sustainable agriculture extension system. (b) Extension officers, farmers/ farm women (Number of persons trained)
f	Finance (Rs.in lakhs)	Financial target for the year 2022-23 is Rs.30.00 lakhs.

g. Expenditure : (Rs. in lakhs)

Actual/Accounts 2021-22		2022-23(March- 2022 end)		Budget Proposed 2023-24
Amount Released	Expenditure	Amount Released	Expenditure	100.00
100.00	99.92	30.00	29.98	

h. Physical Achievements (Units:in Nos)

Unit - Total Number of persons trained - farmers /farm women/extension officers)				
2021-22		2022-23 (March- 2022 end)		Audit Details
Target	Achievement	Target	Achievement	
3870	125052 (Online+Offline Trainings)	2220	39610 (Online+Offline Trainings)	-

i.Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:
Not Applicable

a	Name of the scheme & year of starting	**Agriculture Extension And Training Karnataka Pradesh Krishika Samaj -1967**
b	Budget head of account	2401-00-109-0-21 - Sub head – 103
c	Central and state share if any	State head scheme 0:100
d	Programme/project/ scheme objectives	Karnataka Pradesh Krishik Samaj is organizing many programs for farmers with the aim of participating farmers in Seminar/Training/Study Tour/Field days etc. programs and realizing/gaining knowledge about the latest technologies in agriculture, and grants is being released for such activities of Krishik Samaj.
e	Expected outcome of the Programme/ project/ scheme (a) & expected beneficiaries (b) (measurable outcome at the end of the year)	Funds are released through Grant-in-Aid in quarterly installments as per the action plan of the programs/activities proposed by the Karnataka Pradesh Krishik Samaj.
f	Finance (Rs.in lakhs)	Rs.20.00 lakhs.

g. Expenditure : (Rs. in lakhs) (Fund transfer through Grant in Aid)

Actual/Accounts 2021-22		2022-23(March- 2022 end)		Budget Proposed 2023-24
Amount Released	Expenditure	Amount Released	Expenditure	Expected Grants
50.00	50.00	20.00	20.00	-

h. Physcical Progress (in Nos.)				
2021-22		2022-23(March- 2022 end)		Audit Details
Target	Achievement	Target	Achievement	
-	-	-	-	-

i.Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: Not Applicable

a.	Name of the Scheme and year of Introduction:	**Karnataka Raitha Suraksha Pradhanamantri Fasal Bima Yojana: Since Kharif 2016.**
b.	Budget Head:	2401-00-110-0-07(Non Plan)
c.	Central and State Share under the Scheme:	As per Revamped PMFBY scheme, the difference between gross premium and the premium payable by

		farmers is shared equally in 50:50 ratio by the centre and state. The full GoI share in the premium subsidy will be applicable only upto gross premium of 25% to irrigated areas / districts and 30% to rainfed areas / district as the premium is capped by GoI.
d.	Objective of the Programme:	a. To provide insurance coverage and financial support to the farmers in the event of failure of any of the notified crop due to adverse climatic conditions. b. To help stabilized farm income, particularly in disaster years. c. To protect farmers in the event of crop failure due to natural calamities like Hailstorm, Inundation, landslide, Cloud burst and natural fire due to lightening etc., to cover Pre-Sowing, Localized and Post Harvest risks.
e.	Financial (in Lakhs):	Financial allocation for the year 2022-23 is Rs.79,280.00 lakhs, but Rs.2,44,380.00 lakhs has been released by the end of March 2023. Out of this Rs.95100.00 lakhs has been earmarked for the year 2023-24 will be expedite with the approval of Finance Department. Rs.1,49,250.20 lakhs has been made progress by the end of 31.03.2023.
f.	Estimated benefit & number of Beneficiaries	In 2022-23, Rs. 1,49,250.20 lakhs has been made progress by the end of March 2023. This amount is utilized towards, a) State Government premium share in Kharif and Rabi under KRS-PMFBY & R-WBCIS and part of Summer season under KRS-PMFBY for the year 2022-23. b) Publicity, CUG SIM charges, CCE equipment purchase, Salary for STSU outsource staff and other general expenditure.

f. Financial Expenditure(Rs.in lakhs) Non Plan:

Sl No.	Name of the Scheme & Budget Head	Progress 2021-22		Progress 2022-23		Grants proposed for 2023-24
		Grant Released	Progress	Grant Released	Progress (upto end of March 2023)	

	New crop Insurance Scheme 2401-00-110-0-07	Rs.71300.00 + Rs.48005.71 (Additional Grants) = Rs.1,19,305.71	Rs.1,19,260.26	Rs.79280.00+ Rs.70000.00 + Rs.95100.00 = Rs.244380.00	Rs.149250.20	Rs.201268.00

Note: Rs.95100.00 lakhs of additional grants have been released to cover the state share of premium subsidy for the year 2023-24. This will be utilized with the approval of Finance department.

g. Physical Achievement(Units: in No.s)

2021-22		2022-23	
Target	Achievement	Target	Achievement
-	19,34,910	-	27,18,924

a)	Name of the scheme and year of introduction	**Crop Survey 2017-18**
b)	Budget Head	**2401-00-110-0-07**
c)	If Plan, the Central & State share is	**State Sector Scheme (100% State Share)**
d)	Objective of the Programme/project/ scheme	Recording survey number/sub survey number wise accurate information about cropping area using GPS based mobile application
e)	State & estimated benefit under the scheme and number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	During the year 2022-23, approximately 377.99 lakh plots have been surveyed so far out of 431.61 lakh plots to be surveyed in Early Kharif, Kharif, Rabi and Summer seasons and the programme is in progress.
f)	Financing (Rs. in lakhs)	**8392.56 Lakhs**

g) Expenditure (Rs. in Lakhs)

Actual / Accounts **2021-2022**		Revised Estimate **2022-2023** (End of Mar-23)		Budget Estimate **2023-24**
Grants	Exp.	Grants	Exp.	Grants
4900.00	4898.70	5365.84	4965.44	7800

h) Physical Achievement (Units in no's)

2021-22		**Audit observation**
Tar	Ach	
430.98 Lakh Plots	426.17 Lakh Plots (98.88%)	Nill

a)	Name of the scheme and commencement of the year	**Agriculture Infrastructure Scheme: Capital Outlay**
b)	Budget – Head of Account	4401-00-001-1-01(Sub Head- 139)
c)	Central & State share under the scheme	State 100%
d)	Objective of the programme	Construction of New JDA, DDA-1,2, ADA, RSK Buildings & Purchase of sites.
e)	Estimated benefit and no.of beneficiaries	Not applicable
f)	Finance (in lakhs) 2023-24	Rs. 500.00 lakhs

g.) Expenditure (Rs in lakhs)

Actual /Accounts 2021-22		Revised Estimate 2022-23		Budget Estimate 2023-24
Grants released Rs in lakhs	Expenditure Rs in lakhs	Grants released Rs in lakhs	Expenditure Rs in lakhs	Grants Rs in lakhs
Rs. 500.00	Rs. 499.97	Rs. 500.00	500.00	Rs.500.00

h) Physical achievement (Units : in nos)

2021-22		2022-23		Audit Observations
Target	Achievement	Target	Achievement	Just mention whether Audit as been completed for the year or not mention Audit Observation if any
Not applicable				No

i.)Brief analysis of the performance trends and implementations constraints reason for short fall in delivering the benefit/ reaching out to the beneficiaries and delay in implementations.

Not applicable

a)	Name of the scheme and commencement of the year	**Agriculture Infrastructure Scheme: RSK Works (Nabard works)**
b)	Budget – Head of Account	4401-00-001-1-01(Sub-Head 436)
c)	Central & State share under the scheme	State 100%
d)	Objective of the programme	Construction of New RSK Buildings at various places of Karnataka state under RIDF

e)	Estimated benefit and no.of beneficiaries	Not applicable
f)	Finance (in lakhs) 2023-24	Sub head 436 : 957.13 lakhs

g.) Expenditure (Rs in lakhs)

Actual /Accounts 2021-22		Revised Estimate 2022-23		Budget Estimate 2023-24
Grants released Rs in lakhs	Expenditure Rs in lakhs	Grants released Rs in lakhs	Expenditure Rs in lakhs	Grants Rs in lakhs
439.00	4357.50	16047.00	16047.00	957.13

h) Physical achievement (Units : in nos)

2021-22		2022-23		Audit Observations
Target	Achievement	Target	Achievement	Just mention whether Audit as been completed for the year or not mention Audit Observation if any
Not applicable				No

i.)Brief analysis of the performance trends and implementations constraints reason for short fall in delivering the benefit/ reaching out to the beneficiaries and delay in implementations.

Not applicable

2. CENTRALLY SPONSORED SCHEMES:

Food and Nutrition Security -2022-23

a)	**Name of the scheme and year of Introduction**	**National Food Security Mission is renamed as Food and Nutrition Security from 2022-23 - Rice, Pulses program initiated during 2007-08. During the present year Coarse cereals, Nutri cereals, Commerecial crops (Cotton & Sugarcane), TRFA-Pulses and programs are under implementation.**
b)	Budget Head	FNS Central:2401-00-102-0-08 State: 2401-00-102-0-09
c)	Central & State share under the scheme	Central & State share - (60:40)
d)	Objective of the Programme	1. Increasing production of rice, pulses. Coarse cereals and Nutri cereals through area expansion and productivity enhancement in a sustainable manner. 2. Restoring soil fertility and productivity at the individual farm level. 3. Improving economic conditions of the farmers.
e)	Number of beneficiaries	Number of beneficiaries under NFSM during the year 2022-23 (upto end of March): FNS Rice –8316 FNS Pulse – 926144 FNS Coarse Cereals- 17025 FNS -Nutricereals-677749 FNS -Cotton-7845 FNS -Sugarcane-2347 FNS TRFA-Pulses-24188 **Total -1663614**
f)	Financial (Rs. in lakhs)	Finacial targets: Rs in lakhs FNS Rice – 139.423 FNS Pulse –13191.013 FNS Coarse Cereals- 338.949 FNS -Nutricereals-9872.489 FNS -Cotton-136.30 FNS -Sugarcane-52.90 FNS TRFA-Pulses-657.962 **Total : 24389.036 Lakhs**

g) Expenditure: (Rs. in lakhs)

Actual / Accounts 2021-22		Revised Estimate 2022-23		Budget Estimate 2023-24
Grants released	Exp	Grants released (up to end of March 2023)	Exp	Expected Grants
18596.730	16690.698	20086.994	19309.667	16666.00

h) Physical Achievements (Units: in Nos.)

2021-22 (up to end of March 2022)		Audit observations
Tar	Ach	Audit for the expenditure incurred during 2021-22
Copy enclosed		

Districts covered under FNS Scheme are
FNS- Rice: (7) Belagavi, Shivamogga, Haveri, Udupi, Dakshina Kannada, Uttara Kannada and Yadagiri.

FNS - Pulses:(31) Bengaluru(R), Bengaluru (U), Bagalkote, Belagavi, Ballari, Bidar, Chitradurga, Davanagere, Dharwad, Gadag, Kalaburagi, Koppal, Mysore, Raichur, Tumkur, Kolar, Chickaballapur, Chickkamagalur, Chamarajanagar, Ramanagar, U. Kannada, D. Kannada, Hassan, Haveri, Shivamogga, Mandya, Madikeri, Udupi, Vijayapura, Vijaynagar and Yadagiri.

FNS- Coarse Cereals :(10) Bagalkote, Vijayapura, Belagavi, Ballari, Chitradurga, Chikkaballapur, Davanagere, Haveri, Vijaynagar and Hassan

FNS- Nutri Cereals: (26) Bengaluru(R), Bengaluru (U), Bagalkote, Belagavi, Ballari, Bidar, Chitradurga, Davanagere, Dharwad, Gadag, Kalaburagi, Koppal, Mysore, Raichur, Tumkur, Kolar, Chickaballapur, Chickkamagalur, Chamarajanagar, Ramanagar, Hassan, Haveri, Mandya, Vijayapura, Vijaynagar and Yadagiri.

Targeting Rice Fallow Area (TRFA)-Pulses :(12) Belagavi, Ballari, Dharwad, Kalaburagi, Haveri, Koppal, Mandya, Mysore, Shivamogga, Udupi, U. Kannada, and Yadagiri.

FNS- Commercial Crop-Cotton: (7) Belagavi, Davanagere, Dharwad, Kalaburagi, Haveri, Raichur, and Yadagiri.

FNS-Commercial Crop-Sugarcane: (6) Bagalakote, Belagavi, Bidar, Davanagere, Kalaburagi, and Mandya.

In order to increase the productivity of Rice, Pulses, Coarse Cereals, Nutri Cereals, and Commercial Crops in the State during the year 2022-23 Gov.of India has accorded approval with the budget provision as below.

Programmes under NFSM during 2022-23 (Rs. in lakhs)

Programme	**Budget**
FNS (Rice)	139.423
FNS (Pulse)	13191.013
FNS (Coarse Cereals)	338.949
FNS (Nutri Cereals)	9872.489
FNS - Cotton	136.30

FNS - Sugarcane	52.90
FNS TRFA-Pulse	657.962
Total	**24389.036**

ABSTRACT OF PROGRESS OF FNS PROGRAMME 2022-23 (Rs. in lakhs)

Sl No	Programme	Budget Provision	Grants Released by GoI	Grants Released by GoK	Total Grants Available	Exp.upto end of March 2023
1	FNS -Rice	139.423	83.654	55.769	124.322	115.621
2	FNS -Pulses	13191.013	7914.608	5276.405	9895.846	9725.355
3	FNS - Coarse Cereals	338.949	203.369	135.580	407.400	297.767
4	FNS - Nutri Cereals	9872.489	6043.494	3828.996	8955.187	8543.711
6	FNS - Cotton	136.30	81.780	54.520	115.675	90.091
7	FNS - Sugarcane	52.90	31.740	21.160	40.185	37.979
8	FNS TRFA-Pulse	657.962	394.777	263.185	548.377	499.143
	Grand Total	**24389.036**	**14753.422**	**9635.614**	**20086.994**	**19309.667**

1. **PROGRESS REPORT OF FOOD AND NUTRITION SECURITY – RICE - DURING THE YEAR- 2022-23** **(**Financial Rs. in lakhs)

Sl. No.	Interventions	Unit	Targets		Achievement	
			Phy	Fin	Phy	Fin
1.	Demonstrations	Ha	634	56.160	610	47.693
2	Seed Distribution	Qtls	1520	27.000	865	14.101
3	Plant Protection and Soil Management	Ha	3500	21.000	4351	30.210
4	Resource Conservation Techniques/Tools	No.	382	12.612	456	9.464
5.	Water Application Tools	Mtr	15595	5.458	0	0.000
6.	Cropping System based trainings	Nos	14	1.960	14	1.851
7	Misecellaneous Expenses (Local &Other initiatives)	Ha	750	15.00	605	12.069
	Committed Expenditure 2021-22			0.233		0.233
	GRAND TOTAL		**22395**	**139.423**	**6901**	**115.621**

2.PROGRESS REPORT OF FOOD AND NUTRITION SECURITY – PULSES
DURING THE YEAR- 2022-23 (Financial Rs. in lakhs)

Sl. No.	Interventions	Unit	Targets		Achievement	
			Phy	Fin	Phy	Fin
1.	Demonstrations	Ha	37780	3372.00	37057	2888.695
2	Seed Distribution	Qtls	34300	1422.5	23240	728.854
3	Seed production	Qtls	23454	1172.700	42032	1172.70
4	Integrated Nutrient management	Ha	310437	1629.685	297401	1367.202
5	Integrated Pest Management	Ha	618600	3093.00	584106	2540.027
6	Resource Conservation Techniques/Tools	No.	5736	1104.187	2169	420.745
7	Water Application Tools					
a	Water carrying pipes	Mtrs.	1469143	514.200	424715	55.978
b	Diesel Pump Sets	Nos.	526	50.1	111	9.430
	(a+b) sub total		**1469669**	**564.300**	**424826**	**65.408**
8	Cropping System based trainings	Nos	150	21	141	16.533
9	Misecellaneous Expenses					
	a) Project Management Team& Other misc. expenses at District level	Nos	27	391.5	27	237.615
	b) Project Management Team & Other misc. expenses at State level	Nos	2	38.5	2	37.113
10	Local Initiatives	Nos	13500	160.8	9875	179.623
11	Other Initiatives	Nos	80	150	0	0
	Committed Expenditure 2021-22			70.841		70.841
	GRAND TOTAL inclusive of Committed expenditure		**2513735**	**13191.013**	**1420876**	**9725.355**

3. PROGRESS REPORT OF FOOD AND NUTRITION SECURITY -COARSE CEREALS
DURING THE YEAR-2022-23 (Financial Rs. in lakhs)

Sl. No	Interventions	Unit	Targets		Achievement	
			Phy.	Fin.	Phy.	Fin.
1	Demonstrations	Ha	2875	172.500	2841	158.540
2	Seed Distribution	Qtls	3290	97.250	548	14.786
3	Integrated Nutrient management	Ha	8769	37.179	18720	87.066
4	Integrated Pest Management	Ha	3000	15.00	2992	14.942
5	Flexi Components		33	17.020	76	22.433
	Grand Total		**17967**	**338.949**	**25177**	**297.767**

4. PROGRESS REPORT OF FOOD AND NUTRITION SECURITY –Nutri Cereals for the year-2022-23 (Financial Rs. in lakhs)

Sl. No.	Component	Unit	Target		Achievement	
			Phy.	Fin.	Phy.	Fin.
1.	Demonstrations	Ha	56700	3402.000	56199	3050.037
2	Seed Distribution	Qtls	64548	1700.940	17768	365.986
3.	Seed production	Qtls	4850	145.500	3192	95.763
4	Integrated Nutrient Management	Ha	200000	960.000	200635	962.728
5	Integrated Pest Management	Ha	161081	805.405	166791	831.506
6	Resource Conservation Techniques/Tools	No	770	438.450	942	385.611
7	Local Initiatives	Nos	172047	1342.010	307057	2395.578
8	Cropping System based trainings	Nos	625	87.500	556	78.55
9	Misecellaneous Expenses (Workshops, Awareness programmes, Publicity)	Nos	101	667.750	114	355.020
10	Formation of FPOs in Cluster Area Processing Facilities		6	300.000	0	0
11	Committed Expenditure 2021-22			22.934		22.934
	GRAND TOTAL		**660728**	**9872.489**	**749893**	**8543.713**

5. PROGRESS REPORT OF FOOD AND NUTRITION SECURITY - COMMERCIAL CROP -COTTON-DURING THE YEAR 2022-23. (Financial Rs. in lakhs)

Sl. No.	Component	Rate of Assistance	Unit	Target		Achievement	
				Phy.	Fin.	Phy.	Fin.
1	Front Line Demonstrations (FLD) on Integrated Crop Management (ICM)	Rs.8000/ha	Ha	677	54.160	565	29.268
2	FLD on Desi &ELS cotton	Rs.9000/ha	Ha	50	4.500	0	0.000
3	FLD on Intercropping	Rs. 8000/ha	Ha	450	36.000	376	21.262
4	Diistribution of Plant protection chemical and Bioagents	Rs 500 /Ha	Ha	7768	38.840	7514	37.570

5	Trainings	Rs.40000/Training	No	7	2.800	5	1.990
	GRAND TOTAL			**8952**	**136.3**	**8460**	**90.091**

6. PROGRESS REPORT OF FOOD AND NUTRITION SECURITY - COMMERCIAL CROP – SUGARCANE DURING THE YEAR 2022-23 (Financial Rs. in lakhs)

Sl. No.	Component	Rate of Assistance	Unit	Target		Achievement	
				Phy.	Fin.	Phy.	Fin.
1	Demonstration on intercropping	Rs 9000/Ha	Ha	400	36.000	393	25.126
2	Supply of tissue culture plantlets	Rs. 3.5 per seedling	No	128571	4.500	64285	2.250
3	Distribution of Plant Protection Chemical and Bio agents	Rs 500 /Ha	Ha	2000	10.000	1812	9.053
4	Trainings			6	2.400	4	1.550
	GRAND TOTAL			**130977**	**52.9**	**66494**	**37.979**

7. PROGRESS REPORT OF FOOD AND NUTRITION SECURITY –Targeting Rice Fallow Area-Pulses programme for the year-2022-23 (Financial Rs. in lakhs)

Sl. No.	Component	Unit	Target		Achievement	
			Phy.	Fin.	Phy.	Fin.
1.	Demonstrations	Ha	1615	145.35	1559	124.521
2	Seed Distribution	Qtls	335	16.75	348	17.174
3	INM & IPM	Ha	15000	83.25	14769	81.966
4	Resource Conservation Techniques/Tools	No.	411	94.158	366	146.077
5	Water Application Tools: PVC Pipes	Mtrs	774835	271.192	303927	64.297
6	Trainings	No	24	3.360	17	2.349
7	Local initiatives	Ha	1822	36.440	2765	55.298
	Committed Expenditure 2021-22			7.461		7.461
	GRAND TOTAL		**794377**	**657.961**	**323751**	**499.143**

Budget and Programmes:

2. Budget allocation of Centrally Sponsored Schemes during 2022-23 (Rs.inLakhs)

Sl. No	Head of Account	Name of the Scheme	Grants
1	2401-00-102-0-08	Food and Nutrition Security (FNS)	24389.036

Progress achieved during the year 2022-23 (Rs. In lakhs)

Sl. No	Head of Account and Name of Schemes	Annual Budget	RE	1+2+3 qtr grants release	Expenditure (Upto the end of March 2023)	%
2	2401-00-102-0-08 Food and Nutrition Security	**24389.036**	**-**	**20086.994**	**19309.667**	**96**

NATIONAL MISSION ON EDIBLE OIL (NMEO) -2022-23 (NMEO-Oilseed):

a)	Name of the scheme and year of Introduction	National Food Security Mission Oilseeds is subsumed as National Mission on Edible oil -_oilseed from 2022-23. NMEO - Oilseed and TRFA-Oilseed is under implementation.
b)	Budget Head	NMEO Oilseed: Central: 2401-00-114-0-01 State: 2401-00-114-0-06
c)	Central & State share under the scheme	Central & State share - (60:40)
d)	Objective of the Programme	1.Increase in production and productivity of vegetable oils sourced from Oilseeds. 2.To increase Production and Productivity of Oilseed.
e)	Number of beneficiaries	Number of beneficiaries under NMEO during the year 2022-23 (upto end of March): NMEO-Oilseed-28839 NMEO TRFA Oilseed- 2675
f)	Financial (Rs. in lakhs)	Finacial targets: in lakhs NMEO-Oilseeds-1231.66 NMEO TRFA-Oilseeds-327.784 NMEO-purchase of breeder seed:151.00

g) Expenditure: (Rs. in lakhs)

Actual / Accounts 2021-22		Revised Estimate 2022-23		Budget Estimate 2023-24
Grants released	Exp	Grants released (up to end of March 2023)	Exp	Expected Grants
565.585	547.113	716.262	296.949	1600.000

h) Physical Achievements (Units: in Nos.)

2021-22 (up to end of March 2022)		Audit observations
Tar	Ach	Audit for the expenditure incurred during 2021-22
Copy enclosed		

Districts covered under NMEO Scheme are

NMEO-Oilseed (26): Bengaluru(U), Bagalkote, Belagavi, Ballari, Bidar, Chitradurga, Davanagere, Dharwad, Gadag, Kalaburagi, Koppal, Mysore, Raichur, Tumkur, Kolar, Chickaballapur, Chickkamagalur, Chamarajanagar, Ramanagar, Hassan, Haveri, Shivamogga, Mandya, Vijayapura, Vijaynagar and Yadagiri.

Targeting Rice Fallow Area (TRFA)-Oilseeds :(7) Ballari, Haveri, Mandya, Raicur, Udupi, U. Kannada, and Yadagiri.

In order to increase the productivity of NMEO -Oilseed and TRFA Oilseed in the State during the year 2022-23 Gov.of India has accorded approval with the budget provision as below.

Programmes under NMEO during 2022-23 (Rs. in lakhs)

Programme	**Budget**
NMEO (Oil seed)	1231.666
NMEO TRFA –Oil seed	327.784
NMEO-Purchase of Breeder seed	151.00
Total	**1710.450**

***TRFA-TARGETING RICE FALLOW AREA**

NATIONAL MISSION ON EDIBLE OIL-OILSEED -2022-23 (Financial in lakhs)

SL. No	**Item / Component**	**Unit**	**Target**		**Achievment**	
			Phy.	**Fin.**	**Phy.**	**Fin.**
1	Demonstration	Ha.	5416	298.130	4942	77.229
2	Seed component					
a	Production of Foundation seed	Qtls	1000	25.000	0	0.000
b	Production of Certified Seed		2500	62.500	0	0.000
c	Distribution of Certified Seeds	Qtls	6187	247.480	234	5.370
	Sub Total		**9687**	**334.980**	**234**	**5.370**
3	Integrated Nutrient Management	Ha	16696	118.488	11703	48.777
4	Integrated Pest Management	Ha	13197	65.985	12677	39.259

5	Resource Conservation Techniques/Tools	No	774	202.610	100	11.032
6	Water Application Tools	Mtr	300000	60.000	13294	0.188
7	Cropping System based trainings	Nos	10	2.880	1	0.000
8	Misecellaneous Expenses (Workshops, Awareness programmes, Publicity)	Nos	1	33.500	0	0.000
	Committed Expenditure 2021-22			115.093		115.093
	GRAND TOTAL		**345781**	**1231.666**	**42951**	**296.949**

PROGRESS REPORT OF NATIONAL MISSION ON EDIBLE OIL –Targeting Rice Fallow Area- Oil Seed programme for the year-2022-23 (Financial. in lakhs)

Sl. No.	**Component**	**Unit**	**Target**		**Achievement**	
			Phy.	**Fin.**	**Phy.**	**Fin.**
1	Demonstrations	Ha	1510	100.000	827	0.000
2	Seed Distribution	Qtls	701	32.080	16	0.000
3	Integrated Nutrient Management	Ha	8000	44.50	2856	0
4	Integrated Pest Management	Ha	3000	15.000	871	0.000
5	Resource Conservation Techniques/Tools	No.	61	30.450	10	0.000
6	Water Application Tools: PVC Pipes	No	200000	40.000	0	0.000
7	Trainings	No	16	4.440	0	0.000
8	Project Management Exp	Rs		2.692		0.000
	Committed Expenditure 2021-22			58.622		0.00
	GRAND TOTAL		**213288**	**327.784**	**4580**	**0.000**

Budget and Programmes:

2. Budget allocation of Centrally Sponsored Schemes during 2022-23 (Rs.inLakhs)

Sl. No	**Head of Account**	**Name of the Scheme**	**Grants**
1	2401-00-114-0-01	National Mission on Edible Oil (NMEO)	1710.45

Progress achieved during the year 2022-23

(Rs. In lakhs)

Sl. No	Head of Account and Name of Schemes	Annual Budget	RE	1+2+3 qtr grants release	Expenditure (Upto the end of March 2023)	%
2	2401-00-114-0-01 National Mission on Edible Oil	**1710.45**	**-**	**716.262**	**296.949**	**41**

Budget and Programmes:

2. Budget allocation of Centrally Sponsored Schemes during 2022-23 (Rs.inLakhs)

Sl. No	Head of Account	Name of the Scheme	Grants
1	2401-00-102-0-08	Food and Nutrition Security (FNS)	24389.036

Progress achieved during the year 2022-23 **(Rs. In lakhs)**

Sl. No	Head of Account and Name of Schemes	Annual Budget	RE	1+2+3 qtr grants release	Expenditure (Upto the end of January 2023)	%
2	2401-00-102-0-08 Food and Nutrition Security	**24389.036**	**-**	**7792.76**	**7008.141**	**90**

ACCOUNTS SECTION

Sl. No.	Scheme	Head of Account	Budget (Vol.3)	Revised Budget	Expenditure as on Jan-2022
II	**CENTRAL SECTOR SCHEME**				
3	(Food and Nutrition Security)	2401-00-102-0-08	16666.00	**-**	**7008.141**

a	Name of the scheme and year of Introduction	**Sub-Mission of seeds and planting Materials 2014-15**
b	Budget Head	2401-00-103-0-22(059)
c	Central & State share under the scheme	Central Sponsored Scheme (60:40)
d	Objective of the Programme	The objective of the programme are 1. Increasing production of Certified/ quality seeds

		2.upgrading the quality of farm saved seeds 3.Promoting new technologies in seed production, processing and testing. 4. Strengthening and modernizing infrastructure for seed production , storage, certification and quality control
e)	Estimated benefit	Grants are released to Government Seed producing agencies such as KSSC, KOF, KSSOCA and NSC, UAS Bangalore/ Shimoga/ Dharwad and Raichur and department seed Testing Laboratories
f)	Financial: (Rs. in Lakhs)	Financial Target for 2022-23 is Rs. 100.00 lakhs

g)Expenditure: (Rs. in Lakhs)

Actual/Accounts 2022-23						**2023-24 Budget (Not released)**		
Grants released			**Expenditure**			**Grants Allocation**		
GOI	GOK	Total	GOI	GOK	Total	GOI	GOK	Total
60	40.0	100.0	0.0	0.0	0.0	1.0	1.0	2.0

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: -Not Applicable –

a)	**Name of the scheme and year of introduction**	**Chief Ministers Micro Irrigation Programme(/PMKSY/RIDF)-Plan Scheme Implemented from the year 2003-04**
b)	Budget Head	1) PMKSY- Through PFMS Central Head of Account : 2401-00-108-2-30 State Head of Account : 2401-00-108-2-58 2) RIDF – 2401-00-108-1-15(436).
c)	If Plan, the Central & State share is	Sharing pattern under PMKSY for subsidy upto 45-55% is Central: State: 60:40. Further, for subsidy upto 90% additional topup subsidy is borne by the State share. Hence, 27-33% Central share and 57-63% State Share is provided under object codes:106, 422 & 423. Under object code 436-total 90% subsidy is provided under State share.
d)	Objective of the Programme/project/ scheme	• To provide irrigation to larger area with water available. • Reduce use of water and increase water use

		efficiency. • Reducing the cost of production • Helps to increase the income. • Reduces the incidence of pests and diseases. • Savings in use of power.
e)	State & estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	214117 beneficiaries
f)	Financing (Rs. in lakhs)	47547.69 lakhs

g) Expenditure (Rs. in Lakhs)

Actual / Accounts 2021-2022		Revised Estimate 2022-23 (End of March-23)		Budget Estimate 2023-24
Grants	Exp.	Grants	Exp.	Grants
44695.71	39803.00	45705.29	44414.57	12000.00

h) Physical Achievement (Units in Hectare's)

2022-23		Audit observation
Tar	Ach	
214117	129397	Not yet Audited

1.	Scheme Name & Year of Implementation	**Support to State Extension Programmes for Extension Reforms- ATMA Scheme Agricultural Technology Management Agency also known as submission on Agri. Extension under National Mission on Agri Exten. & Tech (NMAET)** This is Centrally sponsored scheme. In Karnataka State initially the scheme was implemented in nine districts during 2005-06 followed by additional four districts subsequently. From 2007-08 the scheme was implemented in all 30 districts.
2.	Head of Account	2401-109-0-34(059) & 2401-00-109-0-35(059) Plan
3.	Sharing pattern	The funding pattern is 60:40.(Central 60%, State 40%)
4.	Programmes & Project objectives	The Scheme 'Support to State Extension Programmes for Extension Reforms' aims at making extension system farmer driven and farmer accountable by disseminating technology to farmers through new institutional arrangements viz.

		Agricultural Technology Management Agency (ATMA) at district level to operationalize the extension reforms on a participatory mode. This Scheme shall focus on the following key extension reforms: • Encouraging multi-agency extension strategies involving Public/ Private Extension Service Providers. • Ensuring an integrated, broad-based extension delivery mechanism consistent with farming system approach with a focus on bottom up planning process. • Adopting group approach to extension in line with the identified needs and requirements of the farmers in the form of CIGs & FIGs and consolidate them as Farmers Producer Organizations; • Facilitating convergence of farmer centric programmes in planning, execution and implementation. • Addressing gender concerns by mobilizing farm women into groups and providing training to them.
5.	Approximate Project outcome and Beneficiaries annually	Increase in productivity through farmers participation for adopting agricultural technologies towards integrated farming system. Focused more on effective integration of all stake holders.
6.	Financial Progress & Programmes during 2022-23	Financial Target for 2022-23 is Rs.35.86 Crores and the progress as on 31.03.2023 is Rs.34.87 Crores.
7.	Expenditure: (Rs. in Crores)	

2021-22		**2022-23**	
Budget including OB	Expenditure	Budget including OB	Expenditure
39.35	30.35	45.09	34.87

8.	Physical Achievements (Units: in Numbers)				
2021-22			**2022-23**		**Audit observation**
	Tar	Ach	Tar	Ach	Audit has been completed for

Beneficiaries	194932	141101	192170	284455	the year 2021-22.
9.	Brief analysis of the performance trends & implementation constraints, reasons for shortfall in delivering the benefit/reaching out to the beneficiaries and delay in implementation	During 2022-23 due to awareness generation of improved technologies and Integrated farming system, the farmer based activities resulted in good progress during the financial year as against the Action plan targets. GoI released only two instalments i.e., 50% less grants during this year and hence the progress in the Districts is less as against the approved Action Plan.			

RKVY-RAFTAAR(Rashtriya Krishi Vikas Yojana-Remunerative Approaches for Agriculture and Allied sector Rejuvenation)-2401-00-800-00-1-57

Rashtriya Krishi Vikas Yojane was initiated in 2007 as an umbrella scheme for ensuring holistic development of agriculture and allied sectors by allowing states to choose their own agriculture and allied sector development activities as per the district/state agriculture plan.

From 2007-08 to 2014-15, various projects. under RKVY -RAFTAAR have been implemented with 100% Central Government funds. From 2015-16 financial year onwards, funds are released by GOI on the basis of sharing pattern of 60:40 (Central:State).

The Department of Agriculture being the nodal Department and the projects are implemented through the following Departments/Institutions as per the State Level Sanctioning Committee approval and implemented the programme. For the year 2022-23 total release for Regular RKVY is Rs.85.8702 crore (Central share Rs.51.5225 crore and State share Rs.34.3477 crore) Rs.80.753 crore has been utilized.

Sl.No	Department/Institutions
1	Department of Agriculture.
2	Department of Horticulture.
3	Department of Animal Husbandry.
4	Department of Sericulture.
5	Watershed Development Department.
6	Indian Institute of Horticultural Research.
7	DCR, Puttur.
8	UAS, Bangalore.

9	UAS, Dharwad.
10	UAS, Raichur.
11	UAHS, Shivamogga.
12	UHS, Bagalkote.
13	Karnataka Cashew Development Corporation, Mangaluru.
14	Karnataka State Seeds and Organic Certification Agency.
15	Karnataka State Seeds Corporation Limited.
16	National Dairy Research Institute.
17	Indian Institute of Spices Research.
18	Central Plantation Crop Research Institute.

a)	Name of the scheme and year of Introduction.	**Rastriya Krishi Vikasa Yojane 2007-08.**
b)	Budget Head.	2401-00-800-1-57.
c)	Central & State share under the scheme.	60:40.
d)	Objective of the Programme.	1. To strengthen the farmers efforts through creation of required pre and post-harvest agri-infrastructure that increases access to quality inputs, storage, market facilities etc. and enables farmers to make informed choices. 2. To provide autonomy, flexibility to States to plan and execute schemes as per local/farmers needs. 3. To promote value chain addition linked production models that will help farmers increase their income as well as encourage production/ productivity. 4. To mitigate risk of farmers with focus on additional income generation activities-like integrated farming, mushroom cultivation, bee keeping, aromatic plant cultivation, floriculture etc. 5. To attend national priorities through several sub-schemes. 6. To empower farmers through skill development, innovation and agri-entrepreneurship based agri business

		models that attract them to agriculture.
e)	Estimated benefit & number of estimated beneficiaries	No. of beneficiaries - 115205
f)	Financial:(Rs. in Lakhs) (Regular RKVY + Sub-schemes).	Allocation: Rs.33031.41 lakhs.

Expenditure (Rs. in Lakhs)

Programme Name	**Head of Account**	**2021-22**		Estimate **2022-23** March-2023 (In lakhs)		Budget Estimate **2023-24** (In lakhs)
		Grants	Exp.	Grants	Exp.	Grants
Rashtriya Krishi Vikas Yojana	Central- 2401-00-800-1-57 State 2401-00-800-1-73	18846.60	18846.60	8587.02	8075.30	27097.00

h) Physical Achievement (Units in no's)

Pragramme	**2021-22**		**2022-23 (Numbers)**		**Audit observation**
	Tar	Ach	Tar	Ach	
Rashtriya Krishi Vikas Yojana	106	105	135	102	Nil

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation: **Not Applicable**

a)	Name of the scheme and year of introduction	**Establishment of Plant Health Clinics (2020-21)**
b)	Budget Head	2401-00-800-1-57 and RSK Commission
c)	If Plan, the Central & State share is	1.Central Sector (RKVY)(60:40) 2. RSK Commission
d)	Objective of the Programme/Project/ Scheme:	Identification of pest/diseases/nutritional disorders of crops at farmers fields and providing management practices infomation at right time to reduce the possible yield loss. Use of e-SAP application to identify the pest/diseases/weeds/nutritional disorders and to provide need based management.
e)	State & Estimated benefit & number of	Enable the farmers in reducing the production

	estimated beneficiaries from the Programme /Project/Scheme: (measurable output at the end of the year)	costs by giving awareness regarding the use of quality agricultural inputs and limited use of recommended fertilizers, disease-pest management and nutrients availability in the soil. Information regarding soil, soil nutrients, diseases, pests etc. is given to farmers in farmer's field itself and about 134050 farmers are benefitted by this programme during 2021-22.
f)	Financial: (Rs. in Lakhs)	100 Plant Health Clinics in 2021-22 and 64 Plant Health Clinics in 2022-23. An amount of Rs.1100 Lakhs for the year 2021-22 and Rs. 450.00 lakhs for the year 2022-23 has been utilized from the service charges collected at Raitha Samparka Kendras.
a)	Name of the scheme and year of introduction	Sub Mission on Agricultural Mechanization (SMAM) Centrally Sponsored Implemented in the State from 2015-16
b)	Budget Head	2401-00-113-0-02
c)	If Plan, the Central & State share is	Centrally Sponspored (60:40)
d)	Objective of the Programme/project/ scheme	• To increase farm power availability from 2.11 kW/ha to 2.5 kW/ha in State. • Reducing the drudgery in agricultural operations. • Reducing the cost of cultivation • Helps in timely operation of agricultural operation. • Increase the production and productivity. • To maintain the financial competitiveness and sustainability in agriculture sector. • Employment generation in agriculture and allied sectors.
e)	State & estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	18999 beneficiaries
f)	Financing (Rs. in lakhs)	28000.00

g) Expenditure (Rs. in Lakhs)

Actual / Accounts 2021-2022	Revised Estimate 2022-23 (End of March - 23)	Budget Estimate 2023-24

Grants	Exp.	Grants	Exp.	Grants
24712.99	24596.57	17344.66	17174.07	50000.00

h) Physical Achievement (Units in no's)

2022-23		Audit observation
Tar	Ach	
18999	52172	NOT Audited

a)	**Name of the scheme and year of introduction**	**Sub Mission on Agricultural Mechanization (SMAM) Centrally Sponsored Implemented in the State from 2015-16**
b)	Budget Head	2401-00-113-0-02
c)	If Plan, the Central & State share is	Centrally Sponspored (60:40)
d)	Objective of the Programme/project/ scheme	• To increase farm power availability from 2.11 kW/ha to 2.5 kW/ha in State. • Reducing the drudgery in agricultural operations. • Reducing the cost of cultivation • Helps in timely operation of agricultural operation. • Increase the production and productivity. • To maintain the financial competitiveness and sustainability in agriculture sector. • Employment generation in agriculture and allied sectors.
e)	State & estimated benefit number of estimated beneficiaries from the programme/project/scheme (measurable output at the end of the year)	18999 beneficiaries
f)	Financing (Rs. in lakhs)	28000.00

g) Expenditure (Rs. in Lakhs)

Actual / Accounts 2021-2022		Revised Estimate 2022-23 (End of March - 23)		Budget Estimate 2023-24
Grants	Exp.	Grants	Exp.	Grants
24712.99	24596.57	17344.66	17174.07	25000.00

h) Physical Achievement (Units in no's)

2022-23		Audit observation
Tar	Ach	
18999	52172	NOT Audited

a)	**Name of the scheme and year of Introduction**	**Soil Health and Fertility Component of RKVY (CSS-Project on Soil Health Management) 2014-15**
b)	Budget Head	Central Share :2402-00-101-0-03 , Sub head 059 ,106,422 & 423 State Share: 2402-00-101-0-04, Sub head 059 ,106,422 & 423
c)	If Plan, the Central & State share is	Central sponsored Scheme (60:40)
d)	Objective of the Programme/Project/Scheme:	1. To issue soil health cards to all farmers once in every 2 years and soil test based nutrient management practices to address nutrient deficiencies in fertilization practices. 2. To develop and promote crop based nutrient management for enhancing nutrient use efficiency. 3. To create awareness amongst the farmers for the use of fertilizers as per SHC recommendations through on field Demo cum Farmers training and to convince them to adopt the recommendations of SHC for higher production and enhancing income. 4. Setting up of new static/mobile/mini soil testing Laboratories/ Fertilizer Quality Control Laboratories. 5. Strengthening of existing state Soil testing laboratories/ Fertilizer Quality Control Laboratories.
e)	Financing: (Rs. in Lakhs)	Financial Target for 2022-23 is Rs. 8.00 lakhs (2022-23 Budget volume 3).

f) Expenditure: (Rs. in Lakhs)

Actual/Accounts 2021-22		Revised Estimate 2022-23 (Up to March 2023)		Budget Estimate 2023-24
Grants released	Exp	Grants released including OB	Exp	Expected Grants
163.60	163.418	188.482*	0	1118.30

* Unspent balance of Rs 0.182 lakhs in SNA account has been returned to Govt. of India and State Government. First installment grants of Rs 188.30 lakhs was released on 31.03.2023 and is transferred to SNA account for incurring expenditure during 2023-24 as per approved AAP of 2022-23.

h) Physical Achievements (Units: in nos)

Particulars	2021-22		2022-23(Up to March 2023)		Audit observations
	Tar	Ach	Tar	Ach	-
Soil sample Component	-	-	2,32,600	178906-Soil samples collected 153314-soil samples analysed	
Strenghthening of Soil testing laboratory	-	-	1	0	
Village level soil testing projects	28	28	-	-	
Strengthening of Fertilser quality Control laboratories	3	3	-	-	

i) Brief analysis of the performance trends and implementation constraints, reasons for shortfall in delivering the benefit / reaching out to the beneficiaries and delay in implementation:

Government of India has approved the annual action plan for Rs.737.80 lakhs vide letter dated 30.09.2022. First installment grants of Rs 188.30 lakhs was released on 31.03.2023 and is transferred to SNA account for incurring expenditure during 2023-24 as per approved AAP of 2022-23.

Planning Section Budget and Programmes:

During the year 2022-2023, an amount of Rs. 576585.69lakhs was allocated in the budget to implement schemes of Agriculture Department. The original budget was revised to Rs. 644918.32lakhs. In Department of Agriculture there are mainly two head of accounts viz., 2401-Crop Husbandry, 2402- soil survey and testing and in addition 4401- capital outlay (Agriculture) under which different programmes are implemented. The department of Agriculture is implementing totally 26 schemes out of which 13 are State Sector Schemes, 4 are District Sector Schemes & 9 are Centrally Sponsored Schemes. The details are as below:

1. Budget allocation of State Sector Schemes during 2022-23 (Rs.inLakhs)

Sl. No	Head of Account	Name of the Scheme	Budget(RE)
1	2401-00-001-1-01	Commissionerate of Agriculture	17170.30
2	2401-00-001-1-14	Secondary Agriculture Directorate	429.65

3	2401-00-001-1-75	Unspent SCSP-TSP Amount as per the SCSP-TSPAct	641.71
4	2401-00-102-0-28	Farmers Incentive and Support Scheme	1408.48
5	2401-00-103-0-15	Agricultural Inputs & Quality Control	86049.57
6	2401-00-104-0-12	Organic Farming and Millets Programmes	2480.26
7	2401-00-109-0-21	Agricultural Extension & Training	270.00
8	2401-00-110-0-07	New Crop Insurance	249745.84
9	2401-00-800-1-05	Pradhan Mantri Kisan Samman Yojane	96810.25
10	2401-00-800-1-70	Vacant Post Provision	2698.19
11	2401-00-108-1-15(436)	NMSA-Chief Minister's Sookshma Neeravari Yojane(PMKSY)	1138.00
12	2202-80-107-0-06	Chief Minister’s Raitha Vidya Nidhi Yojane	59917.68
13	4401-00-001-1-01	Agriculture Infrastructure	17297.00
	Total		**536056.93**

1. Budget allocation of Centrally Sponsored Schemes during 2022-23 (Rs.inLakhs)

Sl.	Head of Account	Name of the Scheme	Budget(RE)
1	2401-00-102-0-08 & 2401-00-102-0-09	National Food Security Mission (NFSM)	17910.87
2	2401-00-103-0-22 & 2401-00-103-0-23	Sub Mission on Seed and Planting Material (SMSP)	100.00
3	2401-00-108-1-15	NMSA-Chief Minister's Sookshma Neeravari Yojane (PMKSY)	0.00
4	2401-00-109-0-34 & 2401-00-109-0-35	Sub Mission on Agricultural Extension (SMAE)	3586.00
5	2401-00-113-0-02 & 2401-00-113-0-03	Sub Mission on Agricultural Mechanization (SMAM)	28000.00
6	2401-00-114-0-01 & 2401-00-114-0-06	National Mission on Edible Oils (NMEO)	697.79
7	2401-00-800-1-57 & 2401-00-800-1-73	Rashtriya Krishi Vikas Yojana (RKVY)	33031.41

8	2402-00-101-0-03 & 2402-00-101-0-04	Project on Management of Soil Health	190.32
9	2408-01-103-0-01 & 2408-01-103-0-02	Pradhan Mantri Formalisation of Micro food processing Enterprises (PM-FME)	3625.00
	Total		**87141.39**

3. District Sector Schemes allocation during 2022-23 (Rs.inLakhs)

Sl. No.	**Head of Account**	**Name of The Scheme**	**Grants**
Zilla Panchyat Programmes			
1	2435-00-101-0-27	Establishment	8272.00
2	2435-00-101-0-33	Agriculture Office Building	826.00
3	2435-00-101-0-37	Agriculture Training Schools	301.00
Total Zilla Panchayat Schemes			**9399.00**
Taluk Panchayat Programmes			
1	2435-00-101-0-61	Taluk Establishment	12321.00
Total Taluk Panchayat Schemes			**12321.00**
Total District Sector Schemes			**21720.00**

Progress achieved during the year 2022-23

During **2022-23** the amount provided was Rs. 576585.69 lakhs which includes State Sector /ZP/TP/Centrally Sponsored Schemes. The original budget was revised to Rs. 644918.32 lakhs. Out of the released amount of Rs. 603520.85 lakhs, the Department has incurred an expenditure of Rs. 596230.31 lakhs.

(Rs. in lakhs)

Sl. No	**Head of Account and Name of Schemes**	**Budget Estimate**	**Revised Estimate**	**Grant Release**	**Expen diture**	**%**
	STATE SECTOR					
1	2401-00-001-1-01 Commissionerate of Agriculture	14350.73	17170.30	17170.30	16709.96	97.32
2	2401-00-001-1-14 Secondary Agriculture Directorate	500.00	429.65	250.00	242.60	97.04
3	2401-00-001-1-75 Unspent SCP/TSP as per SCP TSP Act 2013	641.71	641.71	641.71	640.32	99.78

4	2401-00-102-0-28 Farmers Incentive and Support Scheme	1358.74	1408.48	1408.48	1358.13	96.43
5	2401-00-103-0-15 Agricultural Inputs and Quality Control	87200.00	86049.57	86040.09	85280.43	99.12
6	2401-00-104-0-12 Organic Farming &Millets Programme	2000.00	2480.26	2480.26	2472.05	99.67
7	2401-00-109-0-21 Agricultural Extension and Training	270.00	270.00	270.00	269.28	99.73
8	2401-00-110-0-07 New Crop Insurance Scheme	92672.56	249745.84	249745.84	249303.05	99.82
9	2401-00-800-1-05 Pradhan Mantri Kisan Samman Yojane (PM-KISAN)	200000.00	96810.25	96634.25	95978.32	99.32
10	2401-00-800-1-70 Vacant Post Provision	3960.00	2698.19	0.00	0.00	0.00
11	2401-00-108-1-15(436) NMSA-Chief Minister`s Sookshma Neeravari Yojane (PMKSY)	1138.00	1138.00	569.00	534.13	93.87
12	2202-80-107-0-06 Chief Minister’s Raitha Vidya Nidhi Yojane	20000.00	59917.68	59917.68	59911.97	99.99
13	4401-00-001-1-01 Agricultural Infrastructure	16547.00	17297.00	16547.00	16547.00	100.00
	A	**440638.74**	**536056.93**	**531674.61**	**529247.24**	**99.54**
14	2401-00-196-1-01 Assistance to ZP	**9379.53**	**9399.00**	**9399.00**	**9378.22**	**99.78**
15	2401-00-197-1-01 Assistance to TP	**11963.43**	**12321.00**	**12321.00**	**11963.10**	**97.10**
	B	**21342.96**	**21720.00**	**21720.00**	**21341.32**	**98.26**
16	2401-00-102-0-08 & 2401-00-102-0-09 National Food Security Mission	16666.66	17910.87	17910.87	16638.57	92.90
17	2401-00-103-0-22 & 2401-00-103-0-23 Sub Mission on Seed and Planting Material (SMSP)	100.00	100.00	0.00	0.00	0.00

18	2401-00-108-1-15 NMSA-Chief Minister`s Sookshma Neeravari Yojane	30000.00	0.00	0.00	0.00	0.00
19	2401-00-109-0-34 & 2401-00-109-0-35 Sub Mission on Agricultural Extension (SMAE)	3586.00	3586.00	2580.66	2553.82	98.96
20	2401-00-113-0-02 & 2401-00-113-0-03 Sub Mission on Agricultural Mechanization (SMAM)	28000.00	28000.00	17247.91	17060.11	98.91
21	2401-00-114-0-01 & 2401-00-114-0-06 National Mission on Edible Oils (NMEO)	0.00	697.79	697.79	298.66	42.80
22	2401-00-800-1-57 & 2401-00-800-1-73 Rashtriya Krushi Vikasa Yojane	33333.33	33031.41	8701.62	7959.77	91.47
23	2402-00-101-0-03 & 2402-00-101-0-04 Project on Management of Soil Health	8.00	190.32	188.35	0.00	0.00
24	2408-01-103-0-01 & 2408-01-103-0-02 Pradhan Mantri Formalisation of Micro food processing Enterprises (PM-FME)	2910.00	3625.00	2799.04	1130.82	40.40
	C	**114603.99**	**87141.39**	**50126.24**	**45641.75**	**91.05**
	TOTAL=A+B+C	**576585.69**	**644918.32**	**603520.85**	**596230.31**	**98.79**

Budget Estimates of 2022-23 (Volume - III) of Department of Agriculture (Rs. In lakhs) During 2022-23 the provision made in the Budget under State Sector/District Sector/CSS is Rs. 674541.21 lakhs. The expenditure incurred for all these schemes is Rs. 593230.31 lakhs.

Chapter -3

There are no public institutions/associations/special purpose vehicles related to the Department of Agriculture

Chapter -4

Part -1 : Existing legislation /new legislations 2021-22

a)**Implementation of Seed Law Enforcement:**

In order to monitor supply of quality seeds to the farming community, State Government is implementing the Seeds Act 1966, Seeds Rules 1968 and Seeds (Control) Order 1983 enacted by the Central Government. To implement these Laws, Govt. of Karnataka has Notified Seed Inspectors. Seed Inspectors draw seed samples from the sale points and send them to the Department's Notified Seed Testing Laboratories (At Hebbal, Bengaluru, Dharwad, Davanagere and Gangavathi) for analysis. On analysis, if the samples are found to be sub-standard (i.e. less germination percentage), action will be initiated against the erring Seed dealer and the Producer.

During the year 2022-23 as against the annual target of 38,000 seed samples, comprising 11000 samples under Seed Act and 27000 samples under Service category, end of March 2023 , 9946 samples under Seed Act category and 16203 samples under service category totally 26149 seed samples have been drawn by the Seed Inspectors and subjected to analysis in the Laboratories. Out of these samples 4652 service samples and 237 Seed Act, totally 4889 samples were found to be sub-standard. Action is being taken as per Seed Legislations.

Progress under Seed Testing:

There are Four Seed Testing Laboratories functioning under the control of Department of Agriculture. They are located at Bangalore (Hebbal), Dharwad, Davanagere and Gangavathi. During 2022-23 as on March 2023, 25843 seed samples have been analysed.

Laboratory wise progress achieved is as follows:

Sl.No	STL labs	Targets	Samples received	Analysed
1	Hebbal	3245	2702	2658
2	Dharwad	2935	2717	2717
3	Davanagere	2578	2500	2500
4	Gangavati	2242	2027	1976
	Total	**11000**	**9946**	**9851**

Part -2: Committees /commissions:

Constitution of Committees with their Terms and References.

As per the Operational Guidelines of NFSM (12th Five Year Plan), Govt. of India, the State Governement, vide Government Order No. Agri-AAE/132/2020, Bangalore, Dated: 15.12.2020, has reconstituted the State and district level Food Security Mission Executive committees as below:

State Level Committee - National Food Security Mission (NFSM):

1	Chief Secretary	Chairman
2	Additional Chief Secretary & Development Commissioner	Member
3	Additional Chief Secretary /Principal Secretary/ Secretary, (RDPR Department)	Member
4	Additional Chief Secretary/Principal Secretary/Secretary, (Energy Department)	Member
5	Additional Chief Secretary/Principal Secretary/Secretary, (Agriculture Department)	Member
6	Additional Chief Secretary/Principal Secretary/Secretary, (Irrigation Department)	Member
7	Additional Chief Secretary/Principal Secretary/Secretary, (Social Welfare Department)	Member
8	Additional Chief Secretary/Principal Secretary/Secretary, (Horticulture and Sericulture Department)	Member
9	Vice Chancellor(s) of SAUs	Member
10	Commissioner for Agriculture	Member
11	Director of Horticulture	Member
12	Director/Project Director of ICAR Institutes	Member
13	DGM, NABARD	Member
14	Convener , SLBC	Member
15	State Mission Director and Director of Agriculture	Member Secretary

2. District Committee-NFSM:

1	Chief Executive Officer, Zilla Panchayat	Chairman
2	Deputy Director (Horticulture)	Member
3	Representative from lead Bank & NABARD	Member
4	Representative from Universities & KVK	Member
5	Representative from Progressive Farmer	Member
6	Representative from NGO	Member
7	Representative from SHG	Member
8	Project Director, ATMA	Member
9	District Joint Director of Agriculture	Member Secretary

The terms and references of the Committee are as follows:

1. To scrutinise the DPRs/Concept notes submitted by the implementing Departments/Institutions for funding under different Schemes.
2. To convene monthly meetings of the committee to review the physical and financial progress of various projects/schemes
3. To monitor the implementation of the projects by the various departments/institutions in accordance with the approved DPRs/concept notes through frequent visits
4. To take up concurrent evaluation of the projects approved under different schemes

5. To give administrative approval for the scheme and take necessary action towards release of State share proportionate to the Central share
6. To provide necessary guidance regarding application/adoption of new technologies
7. To co-ordinate with line departments in implementation of the programme/project.

2. State level Krishi Panditha Prashasti and Krushi Prashasti Selection Committee

To decide winners of state level Krushi Prashasti and Krushi Panditha Prashasti, a committee under the chairmanship of Principal secretary to Governmtent, Agriculture, is constituted. The constitution andresponsibilities is as follows

1	Principal Secretary to Government, Agriculture	Chairman
2	Commissioner for Agriculture	Member
3	Director of Agriculture	Member
4	Director of Extenstion, U.A.S. Dharwad	Member
5	Director of Extenstion, U.A.S. Bengaluru	Member
6	Director of Extenstion, U.A.S. Raichur	Member
7	Director of Extenstion, U.H.S. Bagalkote	Member
8	Director of Extenstion, U.A.H.S. Shivamogga	Member
9	Director of Research, U.A.S. Dharwad	Member
10	Director of Research, U.A.S. Bengaluru	Member
11	Director of Research, U.A.S. Raichur	Member
12	Director of Research, U.H.S. Bagalkote	Member
13	Director of Research, U.A.H.S. Shivamogga	Member
14	Director, Economics and Statistics Department	Member
15	Working president, KPKS, Bengaluru	Member
16	Additional Director of Agriculture (HRD) Head office, Bengaluru	Member Secretary
17	State co-ordinator, ATMA section, Head office, Bengaluru	Member

- To guide on effective implementation of Krushi panidt and krushi prasasti scheme.
- To select State level Krushi panidt and krushi prasasti winners.
- To organize state level Krushi panidt and krushi prasasti award function and to felicitate winners .
- To examine and dicide on the issues raised on declaration of State level Krushi panidt and krushi prasasti winners.
- To examine and bring necessary changes in the guidelines for lacunas found in the implementation of the scheme.

1. **Composition of State Level Sanctioning Committee (SLSC)**

Chief Secretary	-	Chairman
Agri Prod. Commissioner/ Additional Chief Secretary (Agriculture)	-	Vice-Chairman
Secretary, Finance	-	Member
Secretary, Planning	-	Member
Secretary, Fisheries	-	Member
Secretary, Animal Husbandry	-	Member
Secretary, Environment and Forests	-	Member
Secretary, Panchayati Raj	-	Member
Secretary, Rural Development	-	Member
Secretary, Water Resources/ Irrigation/Minor Irrigation	-	Member
Director, Agriculture	-	Member
Director, Horticulture	-	Member
Director, Animal Husbandry	-	Member
Director, Fisheries	-	Member
Representative of Department of Agriculture, Cooperation & Farmers Welfare, Govt. of India (Officer below the rank of joint Secretary)	-	Member
Representative of Department of animal Husbandry , Dairying & Fisheries, Govt of India (Officer below the rank of joint Secretary)	-	Member
Representative of State Agriculture University	-	Member
Representative of Planning Commission	-	Member
Secretary, Agriculture	-	Member-Secretary

Note:

1. SLSC may co-opt two more members from Agriculture Research Organization, reputed NGOs working in the field of Agriculture, Deputy Commissioners of Important districts, and leading farmers.
2. The quorum for the SLSC meeting would not be complete without the presence of at least one representative from the Government of India.

Responsibilities of State Level Screening Committee

- A State Level Screening Committee Headed by the Chief Secretary of the State is vested with the authority to sanction specific project recommended by the SLPSC under each streem of RKVY-RAFTAAR in a meeting attended by representatives of the Government of India also.
- The quorum for SLSC meetings would not be complete without the presence of at least one representative from the Government of India.

- SLSC will normally approve projects equal to be amount of allocation of the state under RKVY-RAFTAAR and under no circumstance, will SLSC approve project for more than 150% of the allocation of the State.
- SLSC will also be responsible for proper implementation and monitoring of each project sanctioned by it under each stream of RKVY-RAFTAAR.
- SLSC will review the implementation of the schemes' objectives and ensure that the projects/ schemes are implemented according with the guidelines laid down;
- SLSC will ensure the evaluation of the projects implemented by all Departments/Institutions/Universities as per the guidelines.
- SLSC will en sure the selection of beneficiaries under any project of RKVY- RAFTAAR, adequate coverage of small and marginal farmers, scheduled cash, Scheduled Tribes and women and weaker segments of the society viz., minority beneficiaries.
- SLSC shall meet as often as required but shall meet at least once in a quarter.

Part-3: Reports/publication

Sl.No	Name of the Scheme	Head of A/c	Extension literatures brought out during the year 2022-23
1	Farm Information scheme (Agricultural Extention and training,)	2401-00-001-1-01 sub head:051	• Departmental scheme guidelines book for the year 2022-23

Chapter -5

A. Staff Vacancy position
B. Retirements during the year 2022-23
C. Staff out sourcing
D. Training programmes

STAFF POSITION OF THE DEPARTMENT OF AGRICULTURE AS ON 01.04.2023					
Sl. No	**Name of the Post**	**Total Sanctioned**	**Filled**	**Vacant**	**Remarks**
	Group – A				
1	Commissioner	2	2	0	
2	Director of Agriculture	4	4	0	
3	Additional Director of Agriculture	8	8	0	
4	Joint Director (Administration)	1	1	0	
5	Joint Director of Agriculture	58	58	0	
6	Deputy Director of Agriculture	88	84	4	

7	Chief Accounts Officer	1	1	0	
8	Law Officer	1	1	0	
9	Executive Engineer	1	1	0	
10	Assistant Director of Agriculture	417	302	115	*204 ನಿಯಮ 32ರಡಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತಿರುವರು
11	Deputy Director of Statistics (FM)	1	1	0	
12	Assistant Director of Agriculture(FW)	51	44	7	
13	Administrative Officer	32	11	21	
14	Assistant Executive Engineer	2	1	1	
	TOTAL - A	**667**	**519**	**148**	
	Group – B				
15	Agriculture Officer	1801	1265	536	
16	Agriculture Officer(FW)	141	15	126	ರೈಮ ಹುದ್ದೆಗಳು ಗುರುತಿಸಿರುವುದಿಲ್ಲ
17	Chief Artist -cum - Audio Visual Specialist (Post Shifted to Dharwad)	1	1	0	
18	Assistant Director (Statistics)	1	1	0	
19	Administrative Assistant	44	33	11	
20	Assistant Agriculture Officer /Assistant Agriculture Officer (Agriculture Engg & Water Management) **	2099	263	1836	
21	Assistant Agriculture Officer (FW)	3	0	3	
22	Assistant Engineer (Civil)	2	0	2	
	TOTAL - B	**4092**	**1578**	**2514**	
AS ON 01.02.2023					
Sl. No	**Name of the Post**	**Total Sanctioned**	**Filled**	**Vacant**	**Remarks**
	Group - C				
23	Superintendent	362	317	45	
24	Librarian	1	1	0	
25	Assistant Statistical Officer	14	0	14	
26	Draghtsman	0	0	0	ನಶಿಸಿ ಹೋಗುವ ಹುದ್ದೆ
27	Mechanical Foreman	0	0	0	ನಶಿಸಿ ಹೋಗುವ ಹುದ್ದೆ

28	Statistical Inspector	2	0	2	
29	Agriculture Implement Supervisor	47	2	0	**ನಶಿಸಿ ಹೋಗುವ ಹುದ್ದೆ**
30	First Division Assistant	565	357	208	
31	Stenographer	80	33	47	
32	Senior Computerist	6	0	6	
33	Senior Typist	29	9	20	
34	Typist	344	54	290	
35	Senior Driver	40	35	5	
36	Driver	278	10	268	* ವಿಜಯನಗರ ಸೃಜನೆಯಿಂದ
37	Tracer	161	14	0	**ನಶಿಸಿ ಹೋಗುವ ಹುದ್ದೆ**
38	Agriculture Assistant	49	8	0	**ನಶಿಸಿ ಹೋಗುವ ಹುದ್ದೆ**
39	Second Division Assistant	630	353	277	
40	Library Assistant	1	0	1	
41	Laboratory Assistant	96	22	74	
42	Compositor	1	1	0	
43	Printer	1	1	0	
44	Binder	1	0	1	
45	Senior Artist cum Photographer	1	0	1	
46	Project Operator	1	0	1	
47	Carpenter cum smith	1	0	1	
	TOTAL - C	**2711**	**1217**	**1261**	*ನಶಿಸಿ ಹೋಗುವ ಹುದ್ದೆಗಳಿಂದ 233 ಹುದ್ದೆಗಳ ವೆತ್ಯಸವಿರುತ್ತದೆ.
	Group - D				
48	Attender	141	38	103	
49	Cooks	65	11	54	
50	Group – D	1306	420	886	
	TOTAL - D	**1512**	**469**	**1043**	

Abstract As on 01.04.2023

Sl. No	**Cadre**	**Total Sanctioned**	**Filled up**	**Vacant**	**Remarks**
1	**A**	**667**	**519**	**148**	

2	**B**	**4092**	**1578**	**2514**	
3	**C**	**2711**	**1217**	**1261**	*ನಶಿಸಿ ಹೋಗುವ ಹುದ್ದೆಗಳಿಂದ 233 ಹುದ್ದೆಗಳ ವೆತ್ಯಸವಿರುತ್ತದೆ.
4	**D**	**1512**	**469**	**1043**	
	Grand Total	**8982**	**3783**	**5199**	

E. **Training Programs** –

During the year 2022-23 (by the end of January-2023) 408 Training programmess has been conducted and 39610 Participants have attended the said Training Programmes.

A. Audit observation
B. Litigations
C. Right to information act
D. Agriculture production programme

A. Audit observation :

During 2022-23 Audit Inspection Taken From The Head Office

Sl.no	Offices	Audit Reports	Date of inspection	Remarks
1	Joint Director of Agriculture, Chikkamagaluru	2017-18 to 2021-22	28.06.2022 to 29.06.2022	The Compliance received for the audit objections from the subordinate offices and it will be verified as per the documents amd the para will be dropped and remaining paras will be continued for the further compliance
2	Assistant Director of Agriculture, Chikkamagaluru	2017-18 to 2021-22	30.06.2022 to 02.07.2022	__do_
3	Assistant Director of Agriculture, (seeds test labarotery), Hebbal, bangaluru	2018-19 to 2021-22	14.06.2022 to 18.06.2022	__do_
4	Assistant Director of Agriculture, (Bio fertilizers control labarotery), Hebbal, Bangaluru			__do_
5	Joint Director of Agriculture,	2015-16 to	20.06.2022 to	__do_

	Mandya	2021-22	21.06.2022	
6	Assistant Director of Agriculture, Pandavapuru	2019-20 to 2020-21	22.06.2022 to 24.06.2022	__do_
7	Joint Director of Agriculture, Gadag	2018-19 to 2021-22	04.07.2022 to 06.07.2022	__do_
8	Joint Director of Agriculture, Tumkur	2016-17 to 2021-22	11.07.2022 to 13.07.2022	__do_
9	Assistant Director of Agriculture, Sira	2019-20 to 2020-21	14.07.2022 to 16.07.2022	__do_
10	Joint Director of Agriculture, Vijayapura	2016-17 to 2021-22	18.07.2022 to 19.07.2022	__do_
11	Assistant Director of Agriculture, Vijayapura	2019-20 to 2020-21	20.07.2022 to 22.07.2022	__do_
12	Joint Director of Agriculture, Bellary	2016-17 to 2021-22	01.08.2022 to 03.08.2022	__do_
13	Assistant Director of Agriculture, Bellary	2018-19 to 2020-21	04.08.2022 to 06.08.2022	__do_
14	Joint Director of Agriculture, Hasan	2018-19 to 2021-22	16.08.2022 to 17.08.2022	__do_
15	Assistant Director of Agriculture, Beluru	01.01.2019 to 2020-21	18.08.2022 to 20.08.2022	__do_
16	Joint Director of Agriculture, Dharawada	2017-18 to 2021-22	22.08.2022 to 23.08.2022	__do_
17	Assistant Director of Agriculture, Kundagola	2019-20 to 2020-21	24.06.2022 to 26.08.2022	__do_
18	Joint Director of Agiculture, Kalburgi	2017-18 to 2021-22	16.11.2022 to 18.11.2022	__do_
19	Joint Director of Agiculture, Haveri	2016-17 to 2021-22	21.11.2022 to 23.11.2022	__do_
20	Joint Director of Agiculture, Yadgir	2017-18 to 2021-22	28.11.2022 to 30.11.2022	__do_
21	Joint Director of Agiculture, Belgaum	2017-18 to 2021-22	01.12.2022 to 03.12.2022	__do_
22	Joint Director of Agiculture, Chikkballapura	2014-15 to 2021-22	07.12.2022 to 09.12.2022	__do_
23	Joint Director of Agiculture, Mangalore	2016-17 to 2021-22	13.12.2022 to 15.12.2022	__do_
24	Joint Director of Agiculture, Ramanagara	2016-17 to 2021-22	19.12.2022 to 21.12.2022	__do_
25	Joint Director of Agiculture, Raichur	2014-15 to 2021-22	28.12.2022 to 30.12.2022	__do_

26	Joint Director of Agiculture, Koppala	2017-18 to 2021-22	05.01.2023 to 07.01.2023	__do_
27	Joint Director of Agiculture, Bidar	2017-18 to 2021-22	11.01.2023 to 13.01.2023	__do_
28	Joint Director of Agiculture, Mysore	2015-16 to 2021-22	17.01.2023 to 19.01.2023	__do_

Due to closure of financial year the audit for the period February and March-2023 could not be conducted.

C. RIGHT TO INFORMATION ACT: INFORMARTION QUESTIONS RECEIVED UNDER ACT :

During 2022-23 (March-2023 end) total 264 applications have been received. Previous year pending application 0 (Zero), all applications have been answered.

A total of Rs.4210/- has been collected as fees and deposited.

Sl No	Questions related to	No of Applications
1	Previous year pending	0
2	Upto end of January 2023	239
3	Others	25
	Total	**264**

AGRICULTURE PRODUCTION PROGRAMME 2023-24

Anticipating timely and well distributed rainfall during pre-monsoon, southwest & northeast monsoon period in 2023-24 it was programmed to cover 82.35 lakh hectares, 25.38 lakh hectares and 6.54 lakh hectares during Kharif, Rabi and Summer seasons respectively under agricultural crops. Proposed production target of Cereals, Pulses and Oilseeds were 125.15 lakh tones, 23.01 lakh tones and 13.84 lakh tonnes, respectively. Production target of commercial crops like Cotton, Sugarcane and Tobacco was in the order of 24.47 lakh bales, 702.64 lakh tonnes and 0.67 lakh tonnes Tobacco (VFC) respectively

1. Kharif Season Rainfall and Agriculture Crop Area:

Pre-monsoon Rainfall

Pre-monsoon (March-May) actual average rainfall was 237 mm against normal rainfall 115 mm (105%). Area coverage up to May end was 2.80 lakh hectares as against a normal of 3.15 lakh hectares.

Southwest monsoon

Southwest monsoon (June-September) actual average rainfall was 1019 mm as against a normal of 852 mm (20%).

Month-wise normal/actual rainfall during pre-monsoon and southwest monsoon period, its' pattern and distribution over taluks is as follows:

Sl. No.	Month	Classification of Taluks in Different Category						Rainfall (mm)		
		Large Excess	Excess	Normal	Deficit	Scanty	No Rain	Normal	Actual	Pattern
1	March	96	27	42	35	27	0	9	16	Excess
2	April	100	49	50	24	4	0	32	53	Excess
3	May	187	30	9	1	0	0	74	168	Excess
	Pre-monsoon							**115**	**237**	Excess
1	June	52	29	54	86	6	0	199	156	Excess
2	July	134	64	28	1	0	0	271	383	Excess
3	Aug.	124	44	46	13	0	0	220	305	Excess
4	Sept.	28	40	113	46	0	0	161	175	Excess
	Southwest monsoon							***852***	***1019***	Excess
	Southwest monsoon (June to September)									

As per the 3rd Advance Estimate sowing of Kharif crops was completed in an area of 81.44 lakh hectares against a set of target 82.67 lakh hectares by the end of September. Normal coverage by end of September stands around 71.20 lakh hectares; the corresponding coverage of previous Kharif season was 78.72 lakh hectares.

2. Rabi Season Rainfall and Agriculture Crop Area:

North East Monsoon:

During North East Monsoon (October-December) actual average rainfall was 217 mm as against normal of 182 mm (19%).

In 2022 (January-December) actual average rainfall was 1153 mm as against a normal of 1474 mm (28%).

Month-wise normal/actual rainfall during North-east monsoon period, its' pattern and distribution over taluks is as follows:

Sl. No	Month	Classification of Taluks in Different Category						Rainfall (mm)		
		Large Excess	Excess	Normal	Deficit	Scanty	No Rain	Normal	Actual	Pattern
1	Oct.	61	78	69	18	1	0	131	171	Excess
2	Nov.	0	6	21	69	129	2	42	20	Deficient
3	Dec.	134	12	30	23	28	0	10	26	Excess
	North East Monsoon							**182**	**217**	**Excess**
	Northeast monsoon (October to December)									

Rabi production programme depends upon residual soil moisture and Northeast monsoon rainfall between October to December. The northern districts account for nearly 90% of the total Rabi area in the State. The major crops grown are Rabi Jowar, Bengal gram, Wheat, Sunflower, Safflower, Linseed etc.

As per the 3rd Advance Estimate, against the target of 26.68 lakh Ha., an area of 27.31 lakh Ha. was sown during Rabi season. Normal coverage by the end of December stands around 26.20 lakh hectares and the corresponding coverage of previous Rabi season is 24.19 lakh hectares.

Crop Loss Report:

During 2022, an area of 11.19 lakh hectares has been damaged due to heavy rains/flood as per the Joint survey reports by districts.

Details of Tur crop damage due to Wilt Disease:

During 2022-23 , due to wilt disease, an area of 198488 Ha. in Kalburgi, 14495 Ha. in Bidar, 20401 Ha. in Vijayapura and 10259 Ha. in Yadgir has been damaged.

Hail Storms Damage:

According to the joint survey report, 6872.53 hectares of agricultural crops have been damaged due to hailstorms in the month of March 2022-23.

3. Summer Season Agriculture Crop Area:

Normally sowing of summer crops is taken up under irrigation sources in an area of about 5.00 lakh hectares in the State. Sowing of summer crops commences in December [except Groundnut as Rabi/Summer during 2nd fortnight of October in some parts of North Interior Karnataka (NIK)] and concludes by mid of March. Summer crop production mainly depends on irrigation/water availability in major/minor irrigation reservoirs and tanks as well as adequate power supply. As against the target of 5.20 lakh hectares, 5.27 lakh hectares has been sown as per the 3rd Advance Estimate of DES. Normal coverage by the end of December stands around 4.58 lakh hectares; the corresponding coverage of previous Summer season was 5.37 lakh hectares.

Production Prospects:

As 62% of the cultivated area in the State is under rainfed cultivation there is severe impact on the agricultural production. As per Second Advance estimates of Directorate of Economics & Statistics, production of cereals, pulses and oilseeds is estimated to be in the order of 123.06, 24.96 and 12.69 lakh tonnes, against the respective target of 117.72, 21.56 and 15.27 lakh tonnes.

Estimates of Crop-wise Targeted and likely achievement of area and production are furnished in Annexure- I.

ANNEXURE – I

CROP-WISE AREA & PRODUCTION TARGETS AND LIKELY ACHIEVEMENTS DURING 2022-23

Sl. No	Crops	Area (Lakh ha.)		Prodn.(Lakh tonnes)	
		Target	Estimated Achvt.*	Target	Estimated Achvt. *
I	**CEREALS:**				
1	Rice	13.50	13.26	43.46	42.43
2	Jowar	8.90	7.21	9.54	8.59

3	Ragi	7.57	7.62	12.34	10.61
4	Maize	15.91	17.38	52.61	51.84
5	Bajra	2.25	1.21	2.31	1.70
6	Wheat	1.84	1.65	2.48	2.30
7	Minor Millets	0.48	0.29	0.32	0.25
	TOTAL CEREALS:	**50.45**	**48.62**	**123.06**	**117.72**
II	**PULSES:**				
1	Tur	16.03	12.45	13.79	9.37
2	Bengal gram	10.56	11.84	6.87	8.51
3	Horse gram	1.79	1.43	0.98	0.93
4	Black gram	1.02	0.73	0.55	0.33
5	Green gram	4.20	5.13	1.94	1.92
6	Cowpea & other pulses	0.85	0.84	0.36	0.34
7	Avare	0.68	0.25	0.46	0.16
	TOTAL PULSES:	**35.14**	**32.67**	**24.96**	**21.56**
	TOTAL FOODGRAINS:	**85.59**	**81.29**	**148.02**	**139.28**
III	**OILSEEDS:**				
1	Groundnut	6.78	5.44	6.78	7.07
2	Sesamum	0.30	0.20	0.23	0.13
3	Sunflower	1.64	2.55	1.19	2.40
0	Castor	0.05	0.04	0.03	0.02
5	Niger	0.03	0.00	0.01	0.00
6	Rape & Mustard	0.02	0.00	0.00	0.00
7	Soyabean	3.51	4.68	4.21	5.32
8	Safflower	0.31	0.41	0.23	0.32
9	Linseed	0.01	0.03	0.00	0.01
	TOTAL OILSEEDS:	**12.64**	**13.35**	**12.69**	**15.27**
IV	**COMMERCIAL CROPS:**				
1	Cotton (Prod. Lakh bales)	7.70	9.57	18.75	30.41
2	Sugarcane	7.87	9.07	403.57	625.02
3	Tobacco	0.75	0.74	0.66	0.54
	GRAND TOTAL	**114.54**	**114.02**		

Source: * Third Advance Estimates of 2022-23 Directorate of Economics & Statistics, Bengaluru.aqzS

Government of Karnataka

Watershed Development Department

Annual Report 2022-23

OUR VISION

1. To achieve sustainable development of land resources in the rainfed / degraded areas of rural Karnataka and to enhance their productivity.

2. To achieve the goal of sustainable development through participatory approach of stakeholders in watershed development programme and enhance livelihood opportunities for the people living in the rainfed / degraded areas.

OUR MISSION

The mission is to develop, promote and implement a decentralized, cost effective, productive, transparent and sustainable watershed development treatment package through participatory approach.

1. To meet rural livelihood needs.
2. To enhance employment and income opportunities for the poor.
3. To improve the productive potential of natural resource base.
4. To reduce the poverty and degradation of natural resources like soil, water, plant and livestock resource.

INTRODUCTION

India is agriculture predominant country with more than 65% of the population depending on agriculture. Indian agriculture is dependent on monsoon which is not uniform over the years. Nearly three fourth of the cultivable land in India is dependent on rainfall.

The productivity of any crop mainly depends on two natural resources- land and water in addition to management practices. Therefore the conservation, upgradation and utilization of these two natural resources on scientific principles is essential for the sustainability of rainfed agriculture. The watershed concept for development of rainfed agriculture is gaining importance over the years and it amply demonstrated that watershed developmental tools are very effective in meeting the objectives and mission.

Watershed development in being given importance in the State, because nearly 75% of the cropped area in Karnataka depends upon low and uncertain rainfall. The geographical area of the State is 190.50 lakh ha., of which 129.70 lakh ha. is available for watershed development. Up to the end of March 2023, an area of 73.25 lakh ha has been treated, and 56.45 lakh ha. (Out of which 9.52 lakh ha. is under treatment) is yet to be treated.

Importance of watershed development in Karnataka:

The land resources of Karnataka, especially drought prone lands, which comprises more than 79 % of the total arable area, have been poorly managed by the resource poor farmers of the State. Soil loss due to erosion coupled with reduced water resources has led to a situation of rapid deterioration of soil

fertility, declining/stagnating crop yields, depletion of underground water sources, deforestation, denudation, destruction of natural pasture and diminishing biomass production. Exploring the full potential of rainfed agriculture to meet the food , fodder and fuel requirement of the State population, is the only alternative, however, this will require investment in suitable soil and water conservation technologies, growing crops suitable under rainfed environments, agricultural extension services and access to markets, credit and input supplies in rainfed areas.

Karnataka has the highest proportion (79%) of drought prone area among all major States in the country and in absolute terms it has the second largest area of dry land in the country after Rajasthan.

AIMS AND OBJECTIVES OF THE WATERSHED DEVELOPMENT PROGRAMMES:

1. Reducing soil erosion, runoff and nutrient loss.
2. Improving water availability at surface and underground.
3. Improving agricultural productivity.
4. Improving vegetative cover.
5. Increasing milk production and horticulture production.
6. Increasing fodder and fuel availability.
7. Increasing household income.
8. Enhancing life quality of rural communities.
9. Developing local institutions through community based organizations.
10. Ensuring institutional support by Watershed Development Department as facilitator in support with NGOs for community organization and strengthening.
11. Formation and Strengthening of Farmers Producer Organisations (FPOs).

CHAPTER-I

History of Watershed Development:

Watershed Development Department(WDD) (2000 onwards):

Soil and water conservation, a pre-requisite for the farming sector to flourish, started with a massive field bunding programme, which has undergone a horizontal and vertical transformation up to the year 2000 where the Karnataka State Dept of Agriculture (KSDA) was the nodal agency. The Watershed Development Department was separated in the year 2000 to make the watershed development a more professional and to implement the watershed programmes on more co-ordinated and in an integrated manner. The concept of peoples participation was refined, redefined and strengthened by way of restructuring the guidelines for implementation of NWDPRA (Jana sahabhagithva 2002) and Dry land Area Development Programmes like DPAP / DDP / IWDP (Hariyali 2003) by GoI. Even though initially all the watershed development projects implemented by KSDA were transferred to WDD, the projects of ADP were also transferred to WDD, later in the year 2005.

Creation of Watershed Development Department in Karnataka:

With the background of growing population in the State with a consequent increasing demand for food grains, was strongly felt for bringing large tracts of rainfed / dry land area under watershed treatment to increase productivity. Different Departments like Agriculture, which was implementing different soil and water conservation programmes and watershed projects, the RD&PR implementing various rural development programmes having, watershed concept as a component through Panchayath Raj Institutions, Horticulture, Forest, and Animal Husbandry Departments were also carrying out various watershed programmes. In addition, there is also a component of non-land based activities in watershed development and participation of NGOs and village committees. Therefore the GoK considered various aspects including commitment given in the context of an externally aided project and decided that better

co-ordination in planning, implementation and supervision would be achieved by setting up a separate department of watershed with multi-disciplinary teams. With this prime aim, to develop watershed in an integrated and coordinated manner, the Government of Karnataka created Watershed Development Department vide order **AHD: 206:AML.94 (Vol-III) dated 31.12.1999** and it came into effect from **01.04.2000.** This Department is given the responsibility of coordinating the formulation, planning and execution of different activities of agriculture, soil conservation, afforestation, horticulture, livestock, pasture development and income generation activities etc., in an integrated manner on the watershed concept.

CHAPTER-II

TREATMENT INTERVENTIONS

Social mobilization and capacity building:

People's participation and community organization is mandatory for Watershed Development Programmes

Participatory Watershed Treatment:

People's participation is the key to effective and sustainable watershed development programmes. This will not only ensure long term sustainability of the watershed development process through ownership of the programmes, but also empower the watershed communities to initiate activities on their own and take optimal advantage of other ongoing developmental programmes. The participatory approach enhances implementation ability at the local level and create community infrastructure for micro-watershed projects.

One of the main objectives of watershed programmes in Karnataka is to strengthen the capacities of communities for participatory involvement in planning, implementation, social and environmental management, and maintenance of assets arising from local level development programmes. In watershed programmes, social mobilization process involves the following activities.

1. **Awareness Creation**:
The various awareness building activities like house visits, group meetings, grama sabhas, street plays, jathas, video-shows, wall paintings, animal health camps, hasiru habba, PRA excercises etc. are conducted at the village level with the assistance of NGOs.

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2. **Entry Point Activities (EPA)**: To meet the desired and felt needs of the community and to develop rapport with people, some of the infrastructural activities like drinking water and sanitation systems, community buildings, school buildings, cattle troughs, Gokatte etc. were taken up to initiate people's participation in watershed development.

3. Community Based Organizations (CBOs): Community based organizations like Self Help Groups (SHG),User Groups (UGs) and Watershed Committees (WC) are formed in each micro-watershed. The poor and vulnerable people are organized into SHGs and land owning farmers are organized in to UGs. The watershed committee mainly consists of representatives of SHGs, UGs, and PRIs. Watershed Development Department gets support from NGOs for community organization and capacity building.

Soil and water Conservation measures

The most serious forms of soil erosion in Karnataka are sheet, rill and gully erosion. The estimated annual soil loss is 4 to 10, 14 to 65, 30 to 40 tons per ha. in red, black and lateritic soils, respectively. Such soil loss apart from removing fertile top soil, reduce the rooting depth and adversely affect moisture storage and thereby the crop yields. The large quantity of eroded soil deposited in tanks, reservoirs, streams and river beds reduce their storage capacities. Soil erosion depends on various factors like rainfall, soil type, vegetation and land use. Mechanical as well as vegetative measures are used for soil and water conservation. The important principles that are kept in view in planning erosion control measures are:

1. Time taken for water runoff should be increased to allow maximum absorption.
2. Long slopes should be converted into several short ones to reduce the velocity of runoff water to non-erosive value.
3. Rill formation should be prevented
4. Adoption of simple and relatively low cost measures.

Land Management Practices

1. Arable land treatment:

1.1 Field bunds: These are the earthen embankments constructed along the boundary lines of the individual farmers plot to conserve the soil and moisture in the plot itself.

1.2 Trench-cum-pit method of bunding: It is a newly evolved bunding type, where in the earthen embankments constructed with a 5 m length x 1 m width x 0.6 m depth trenches and by leaving 0.6 m septa in between trenches (upstream toe of the bund and the trench). More runoff water can be stored, there by more water infiltrates into the soil and provides moisture for longer period to the development of vegetation.

1.3 Contour strip: Contour strip are formed in the areas where rainfall is less, gentle slope with less infiltration. This is to increase the moisture infiltration rate. Within the two contour strips small size bunds are formed using bund former.

1.4 Boulder bunds:

This is a bund across the slope constructed by using locally available stones / boulders in the sand mixed soils and in the shallow soils. This is an alternative to the contour bund, where there is no enough soil to form the bunds.

1.5 Graded bunds: These are trapezoidal earthen embankments constructed on grade across the major slope. These bunds are taken up in medium to deep black soils and areas receiving annual rainfall of more than 750 mm, where runoff is high and surplusing is essential.

1.6 Vegetative bund/ Vegetative check: A live vegetative barrier on the contours is made which will decrease the velocity of rain water and in turn soil erosion is controlled. These checks could also be formed in between the contour bunds.

1.7 Water ways: These are formed along the slope for safe disposal of excess rain water from cultivable areas to nalas. Grass turffing is also carried out in the water ways to avoid further scouring.

1.8 Farm ponds: Farm ponds are opened across the water ways by digging the soil. The excess rain water harvested is used for various activities like protective irrigation to vegetables and orchards including drinking water to animals and birds.

INTERBUND MANAGEMENT PRACTICES

- Fall ploughing
- Land levelling to avoid local stagnation
- Vegetative barriers - Khus/Subabul/Dicanthium across slope at 10 to15m interval
- Deep tillage
- Adoption of ridges and furrows, beds across slope
- Small bund (0.18 sq. m) or (0.09 Sq.m) at 10m / 15m interval across slope
- Vertical multching.

2. Non-Arable Land Treatment

Treatment of non-arable land is inevitable to reduce the runoff and to create water storage structures at field level. They help to distribute moisture uniformly on sloping land so that natural vegetation grows successfully and restores the bio-diversity.

2.1 Contour Trench / 'V' ditches: These are trenches / V-ditches dug on contour in non-arable lands of more than 3% slope to hold run off water for conservation and reducing erosion. They are established for development of trees and grass species and are adoptable in areas with annual rainfall of up to 950 mm.

Continuous Contour Trenches at Dotikolla; Dist: GADAG

2.2 Pits with Crescent - shaped bunds: These consists of staggered rows of pits with crescent-shaped bunds for planting trees and are adoptable in non-arable lands especially in rockout crop areas having 3% (3 – 5%)slope in areas with annual rainfall of less than 950 mm.

2.3 Catch pits: These are large pits dug at rill points and in waterways to trap runoff water. They are adoptable in hilly lands with rock outcrops.

2.4 Continuous contour trenches: Trenches are opened at a distance of 5 to 10 meters with 0.45 meter depth and 0.6 meters width in the areas where annual rainfall is less than 750 mm. The rain water is collected in the trenches and then the plants could be planted.

2.5 Staggered contour trenches: These are opened where there is undulating soil slope with humps.

2.6 Graded contour trenches: These trenches are made in the black soil areas and areas where rainfall is more than 750 mm, for safe disposal of excess water and forest plants are planted.

2.7 Water recharging pit: The pit is opened in the uncultivable area in the direction of diversion channels / water ways or nearby areas where there is flat land. Dry stone pitching on the three sides of upstream side also be done.	

2.8 Diversion channel: Diversion channel is formed to avoid the rain water that flows from pasture lands, hilly areas, and forest areas entering into the cultivable area. A drain across the slope is opened for safe disposal of runoff water.

3. Drainage line treatment

3.1 Upper reaches treatment:

3.1.1 Vegetative checks: Sod-forming grasses like *Cynodon dactylon, Digitaria and Dicanthium* are planted. In some cases trees and shrubs such as *Ipomoea cornea*, *Vitex nigundo*, *agave*, *Saccharum munja* and bamboo are also recommended for Sod strip, Sodded earthen check & Shrub checks to filter silt in the runoff water. (The locally available Agaves, lavancha, Jatropa, Pongamia etc could be used as vegetative checks)

3.1.2 Vegetative filter strips: These are made to reduce the velocity of rain water coming from hills, forest area across the slope at intercepting areas where cultivable and uncultivable areas join. Once the vegetative strips are grown fully it will act as a barrier to check the flow of water from slopes and soil

erosion is controlled plants such as *Ipomoea cornea, Vitex nigundo, agave, Saccharum munja, sliver oak, casuarina* could be grown

3.1.3 Boulder checks: These are porous checks across the gully constructed using boulders to check water velocity and to arrest silt.

3.1.4 Rubble Checks: Rubble check is constructed where the gully width is up-to 10 meter and depth is 1 to 3 meters with a vertical interval of 2-2.5 meters. The catchments area considered is from 8 to 15 hectares. This will control soil erosion and silt flow. Agave rows could also be planted on upstream and downstream side at a distance of 0.3 meters.

3.1.5 Brush wood checks: These are porous checks constructed across the gully with wooden pegs and brush wood, are adoptable in all areas.

3.1.6 Gabions: These are dams made of GI wire-woven baskets filled with stones placed in trench of suitable size across steep-sloped gullies to trap erosion debris during rains. They are adoptable in all areas of high slopes and high rainfall.

3.1.7 Water recharge pit: Pit is opened in the soils where there is less water infiltration rate. The pit is opened in the gentle slope nalas / gullies where the upper reaches are already treated so that there is less scope of siltation. These should be opened preferably adjacent to open walls or borewells. (It may be open type or filled with Graded filters)

3.1.8 Sunken ponds:

The rain water flowing in gully will be collected in Sunken pond so that the available moisture in the surrounding area is increased. The excavated soil is put as bund (with stone pitching to the exposed surfaces) so that water storage is increased.

3.1.9 Mini Percolation tank: The rain water flowing in gully or undulating lands will be collected in Mini Percolation Tank so that the increase in moisture in the surrounding area helps growth of Forest/ Horticulture plants. The excavated soil is put as bund and grasses will come up with the soil spread over the exposed surfaces so that water storage is increased. Surplussing is through an outlet.

3.2 Middle reaches treatment

3.2.1 Loose Rock Ravine Reclamation Structure/ Rock filled dam: These structures are constructed where there is no necessity of impounding more water and to avoid further scouring. These are constructed at the points where gullies join and of serious nature are constructed when the availability of stones is within 40kms distance.

3.3 Lower reaches treatment:

3.3.1 Check dam: These are stone masonry structures constructed across deep nala with the objective of storing runoff water for providing protective irrigation, drinking water for the cattle and wild life and to recharge underground water table besides reducing sedimentation of tanks and reservoirs.

3.3.2 Vented dam: Stone masonry or RCC work taken up in the high rainfall areas. The vents are

provided to allow the water flow during the rainy season and store water after the rainfall ceases. Wooden Planks are provided to close the vents. The stored water is used for irrigation.

3.3.3 Nala bund: This structure consists of composite earthen embankment constructed across the nalas and valleys in arable and non-arable lands to store run-off for recharging ground water and make water available for social and agricultural use at surface level.

3.3.4 Percolation tank: This is also Nala bund but with stone, cement masonry outlet to drain the excess water. This is opted where there is less scope for cut-out let and hills present in the catchment. It helps to store run-off for recharging ground water and make water available for social and agricultural uses at surface level.

Alternative Land use systems

Alternative land use systems like silvi-pasture, horti-silvi-pasture, agro-forestry and agri-horticulture not only serve the purpose of conserving soil and moisture and arresting land degradation but also meet other demands of the rural community including off - season employment. These systemsimprove vegetative cover in the areas, bring about favourable changes in the microclimate, reduce runoff and improve soil moisture and soil health. They could be used to generate raw materials for various cottage industries apart from meeting the basic needs of the community.

Development of Forest in Watershed

Upto 20% of the project fund is generally earmarked for agro-forestry and afforestation by planning multipurpose tree species including models like block plantation and community land afforestation.Emphasis is given for planting of multipurpose tree species preferred by farmers for fuel, fodder,fruit, green manure and other uses. Bio-fuel trees like pongamia and neem are being encouraged. The residual oil cake can also be used as bio-fertilizer.

Agro Forestry:

Agro forestry is implemented in farmer's land within the watershed area. In this model, 100 locally growing plants that are useful and economically beneficial to farmers' are being planted per hectare. For ex: Teak, Silveroak, Hebbevu, Halasu, Honge, Bevu, Nerale, Seethaphal, Nugge, Karibevu, Nelli, Nimbe, Perale, Hippe,Seemarouba, Subabul, Agase, etc. The plants being planted should be economically beneficial to farmers' in the form of fodder, green manure, fuel, timber along with enriching the soil.

Plantation (Afforestation/Artificial afforestation)

Preference is given for planting in the community land available within the micro- atershed. Multi-purpose tree species are being planted in the land which is degraded because of man-animal encroachment,. By doing this,

1. soil and moisture conservation in degraded lands will be conserved by planting trees which makes the land fertile and useful to farmers of that region.
2. This will help in controlling erosion of fertile soil and helps in conserving the nature.

Multipurpose tree species

Fast growing species	Fruit yielding species	Timber species
1. Jali 2. Hebbevu 3. Bage 4. Neem 5. Survey 6. Sissu 7. Glyricidia 8. Silver oak	1. Cashew 2. Seethaphal 3. Jack 4. Amla 5. Tamrind 6. Ber 7. Antuwala 8. Mango 9. Drumstick	1. Jali 2. Bamboo 3. Kadu sippe 4. Teak 5. Holemathi/Mathi 6. Hebbevu 7. Sissu

The various seedlings of 30.12 lakh numbers were raised under PMKSY-WDC 2.0 during 2021-22. Out of which 963800(9638 ha.) seedlings were planted in the farmers field as a agroforestry with an expenditure of Rs. 681.60 lakhs under PMKSY-WDC 2.0 scheme and 1322300(13223 ha.) seedlings have been planted in the farmers field in convergence with MGNREGA with an expenditure of Rs. 447.75 lakhs by generating 136838 as a man-days. 12000 seedlings were planted in 301 ha. of community area as a plantation with an expenditure of Rs.170.34 lakhs. The remaining seedlings were used for creating Nalabadu plantation and creation of Amruthavanas with an expenditure of Rs. 51.00 lakhs. Bund Sowing has been done in 968 ha. with various forest species seeds with an expenditure of Rs. 43.67 lakhs. Agave plantation as been done in 628 ha. with an expenditure of Rs. 34.67 lakhs.

23.25 lakh number of various forest and horticulture seedlings which were raised during 2021-22 and same seedling were planted in an area of 23250 ha. by converging MGNREGA with an expenditure of Rs. 1553.03 Lakh by creating 391648 man days during 2022-23.

Further for taking up planting of various Forest and Horticulture seedlings in coming monsoon season in the year of 2023-24, 22.19 lakh saplings are being raised under PMKSY-WDC 2.0 scheme and 40.71 lakh seedlings under MGNREGA scheme.

Tankforeshore plantation

Nursery

Common land plantation

Nursery

Nursery

Nursery

Planting on bunds

Planting on bunds

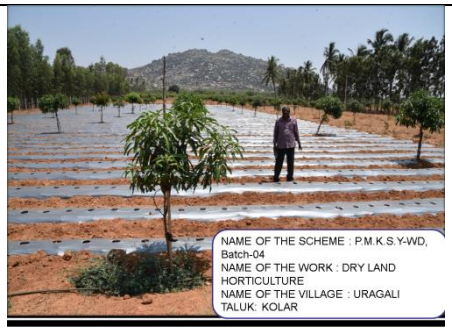
Dryland Horticulture

In the state, farmers are majority depending on dry land cultivation for their economy. Because of uncertain rainfall, there is no assurance on getting yield of the crop. Dry land Horticulture is growing different horticulture crops in specific environment, duly utilizing available rain water and by adoption of improved technology.

Dry land horticulture plays an important role in the development of watershed area. Growing suitable perennial dry land horticultural crops not only brings soil and water conservation institu, but also makes best use of the available moisture. This creates an eco-friendly environment in addition to generation of rural employment opportunities. The planting materials of suitable horticultural crops like fruits, flowers and perennial vegetable crops are supplied and planted in the identified beneficiaries'lands. The beneficiary would start getting income from these crops after 2-6 years of planting depending upon the crop.

During 2022-23 under PMKSY WDC-2.0 the area expansion of Horticulture Crops (10421 ha.) ,vegetable Minkits distribution (54928 nos.) , Kitchen garden programme (77647 nos.), Bund sowing (9964 rmt.), and under Production System an area of 689 ha. has been developed with an expenditure of Rs.2932.70 lakhs.

During 2022-23 under Watershed Development for Drought Proofing scheme, 1655 ha. has been developed with different fruit crops by planting in the farmes field in convergence with MGNREGA scheme and bund sowing was done in an area of 1195 rmt and vegetable Minkits distribution (9909 nos.) with an expenditure of Rs.191.30 lakhs.



CHAPTER-III

Schemes/Programmes implemented by Watershed Development Department:

I. Pradhan Mantri Krishi Sinchayi Yojana-Watershed Development Component 2.0

a)	Name of the Scheme and year of introduction	Pradhan Mantri Krishi Sinchayi Yojana-Watershed Development Component 2.0 programme started in the year-2021-22
b)	Budget head	**2402-00-102-0-30 (Central)** **2402-00-102-0-33 (State)**
c)	If plan,the Central and State share is	In the ratio of 60:40 central and state share (Rs. 22,000/- unit cost/ha in plain areas, Rs. 28,000 unit cost/ha in desert / hilly areas)
d)	Objective of the Programme	a) Securing production and farmers income against climate variability and its risks of drought spells through diversification of crop systems & animal husbandry. Efficient water harvesting and retention of rainwater in soil profile; and entitling all project members to ground and surface water resources on equitable basis. b) Improving intensity and productivity of various crops, livestock,

		fisheries and biomass production systems through optimal integrated, sustainable and efficient use of natural resources in the project areas. c) Recognizing the stake of non-land holding project members and promoting alternate livelihood opportunities. d) Sustained community action in the management of natural resources/assets such as groundwater, soil, community resources, etc. by way of building community organizations like User Groups (UG), and transferring maintenance responsibilities to them. e) Promotion of simple, easy to use and affordable technologies and practices, that builds upon local knowledge and available materials. f) Greater access to income generating opportunities. **g)** Formation/Strengthening of Farmer Producer Organisations (FPOs)
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable out put at the end of year)	During 2022-23 totally 131758 ha. Area has been treated with various soil and moisture conservation activities
f)	Financial (Revised) (Rs. in lakh)	Rs.32118.33 lakhs.

Expenditure (Rs. In lakhs)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release	Expenditure	Release	Expenditure	Release (includes OB)	Expenditure
–	–	4014.13	2295.38	33837.12	30725.92

Physical Achievements: (Units –Area in Hectares (ha.) & Water Harvesting Structures (WHS) in Nos.

2020-21		2021-22		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
1	2	3	4	5	6
–	–	17213 ha.	9843 ha.	137729 ha.	131758 ha.

Pradhan Mantri Krishi Sinchayi Yojana-Watershed development component 2.0 programme was started during the year 2021-22 in 30 districts and 57 taluks of State. For effective implementation of these projects, staffs/officers at field level have to be appointed immediately to reach the project benefits effectively to the beneficiaries. Selection of agency for monitoring, evaluation, learning and documention is in progress.

II. Pradhan Mantri Krishi Sinchayi Yojana- Other Interventions (PMKSY- OI):

a)	Name of the Scheme and year of introduction	Pradhan Mantri Krishi Sinchayi Yojana-Watershed Development (Erstwhile IWMP) programme started in the year-2009-10

b)	Budget head	2401-00-108-2-30 (central) 2401-00-108-2-58 (State)
c)	If plan,the Central and State share is	In the ratio of 60:40 central and state share
d)	Objective of the Programme	▪ The main objective of the programme is to creation of small water harvesting structures/renovation, distribution of pre-cast pipe system, renovation of borewell/dugwell, water lifting devices and linking them with micro-irrigation. ▪ Rain water harvesting, In-situ moisture conservation and other allied activities on watershed basis. Converging with MGNREGS for creation of water source to full potential in identified backward rainfed blocks including renovation of traditional water bodies.
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable out put at the end of year)	During 2022-23, 1081 water harvesting structures have been constructed. 2702 hectare area is brought under additional irrigation as a protective irrigation facility during the dry spells of the season.
f)	Financial (Rs. In lakhs)	Rs.7500.00 lakhs.

Expenditure (Rs. In lakhs)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release (includes OB)	Expenditure	Release (includes OB)	Expenditure	Release	Expenditure
1	2	3	4	5	6
14476.08	14847.09	6398.16	6318.66	6884.58	4169.76

Physical Achievements: (Unit: Area in Hectares (ha.) & Water Harvesting Structures (WHS) in Nos.

2020-21		2021-22		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
1	2	3	4	5	6
29783 ha / 2133 WHS	21,101 ha / 2369 WHS	10895 ha./ 1320 WHS	7914 ha / 1484 WHS	1500 WHS	1081 WHS

III. Watershed Development To Prevent Drought:

a)	Name of the Scheme and year of introduction	Watershed Development To Prevent Drought Year of Introduction: 2019-20
b)	Budget head	4402-00-102-0-05 (Plan)
c)	If plan, the Central and State share is	State Sector Programme
d)	Objective of the Programme	▪ To manage the natural resources based on watershed principle and/or by using the Scientific Land Resource Information to improve the rainfed area land productivity and its production capabilities.

		▪ To improve the soil and water conservation and recharge ground water. ▪ To harvest rain water for moisture availability and protective irrigation. ▪ To convert uncultivable waste land to cultivable land. ▪ To improve the living status of the people of watershed area and also provide livelihood activities to asset less farmers in the project area through various quality skill based training programme there by providing employment opportunity locally. ▪ To improve the soil health through improvement in soil carbon status. ▪ To enhance the green cover in the watershed area. ▪ To improve the availability of fodder, fuel and increase in the milk production. ▪ To strengthen the community based organizations in order to manage the natural resources.
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable output at the end of year)	LRI survey has been completed in 4.38 lakh ha and activities such as the formation of community based organization, awareness programme to these groups and capacity building activities, soil and water conservation, dry land horticulture, farm forestry, livelihood and production system activities are in progress. It has been planned to treat 33000 ha with watershed development activities during 2022-23. Progress of 33000 ha. has been achieved with financial progress of Rs.3999.28 lakhs against the release of Rs.4000.00 lakhs. up to the end of March-2023.
f)	Financial (Rs. In lakhs)	Rs.4000.00 lakhs.

Expenditure (Rs. in lakhs)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release	Expenditure	Release	Expenditure	Release	Expenditure
1	2	3	4	5	6
2500.00	2472.90	4000.00	3997.59	4000.00	3999.28

Physical Achievements: (Unit: Area in Hectares (ha.) & Water Harvesting Structures (WHS) in Nos.

2020-21		2021-22		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
1	2	3	4	5	6
20833 Ha.	20607 Ha./ 141 WHS	30000 Ha / 365 WHS	30000 Ha / 169 WHS	33000 Ha / 365 WHS	33000 Ha / 403 WHS

Since 2019-20, Watershed Development to Prevent Drought (WDPD) Programme is being implemented in 29 districts of the State in 1005 microwatershed of 100 drought hit and low ground water level taluks/Subwatershed covering an area of 4.70 lakh hectares by using Land Resource Inventory (LRI) in saturation approach, in convergence with Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) and Pradhan Mantri Krishi Sinchai Yojana-Other Intervention (PMKSY-OI).

IV.World Bank funded proposed REWARD Program
(Rejuvenating Watersheds for Agricultural Resilience through Innovative Development)

As per the announcement of State Government in 2020-21 Budget speech, agreement signed with the World Bank and taken up the implementation of REWARD program in 21 districts of the State with the Budget allocation of Rs.600.00 crores (State Share: 30% and World Bank loan: 70%). Karnataka has been identified as a Light house State and providing technical guidance to other participating States.

Major activities: Land resource inventory (LRI) in 19 lakh ha rain-fed area of 21 project districts; Watershed treatment on saturation mode in 1.0 lakh ha (20 sub-watersheds) based on LRI & Hydrological recommendations; FPOs and Value chain development; providing improved Agro-met advisories to farmers; establishment of Centre of Excellence on science based watershed management at UAS Bengaluru etc.

Program technical partners: National Bureau of Soil Survey and Land Use Planning (ICAR-NBSS & LUP), Indian Institute of Science (IISc), State Agricultural and Horticultural Universities, Karnataka State Remote Sensing and Applications Centre (KSRSAC), Karnataka State Natural Disaster Monitoring Cell (KSNDMC).

MoU's signed with the technical partners and provided funds, by completing manpower recruitment, procurement of equipment etc. and commenced LRI work in 296 micro watershed till 20.01.2023. 11 Sub-watershed have been identified for saturation treatment in first phase and prepared guidelines of Detailed Project Report (DPR) and Detailed Project Report (DPR) in consultation with the World Bank and actions being taken to commence the implementation soon. Centre of Excellence on Watershed Management (CoE) has been established at GKVK campus of UAS Bengaluru and the trainings on scientific watershed management are being organized for our State and other State officials. Further, preparatory work activities are being completed to start implementation of other program activities such as development of Farmer Producer Organisations, providing agro-climatic advice to farmers, etc.

State Government allocated Rs.10000.00 lakhs budget for 2022-23 and till the end of March-2023 Rs.5000.00 lakhs released and total available amount including OB is Rs.9250.00 Lakh. Out of this Rs.7717.75 lakh expenditure incurred.

Details of the scheme are as follows;

a)	Name of the Scheme and year of introduction	World Bank Assisted REWARD Program Started in the year : 2022-23
b)	Budget head	2402-00-103-0-06
c)	If plan, the Central and State share is	It is External Aided project funded by World Bank (IBRD) (World Bank share 70% and State share is 30%)
d)	Objectives of the Programme	To strengthen capacities of national and state institutions to adopt improved watershed management for increasing farmers' resilience and support value chains in selected watersheds of participating states.

e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable output at the end of year)	All the farmers in watershed area covered under LRI in the project are beneficiaries of the project.
f)	Financial (Revised) (Rs.in lakhs)	Rs.5000.00 lakhs

Expenditure (Rs. in lakhs)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Release	**Exp.**	**Release** (includes OB)	**Exp.**	**Release** (includes OB)	**Exp.**
1	**2**	**3**	**4**	**5**	**6**
500.00	-	4250.00	-	9250.00	7717.75

Physical achivement: The Programme has been started from 2022-23, field level implemention is being commenced by completing prepratory activities. The physical target will be achieved from 2023-24.

V. State scheme -Supporting Farmer Producer Organisations (FPOs):

a)	Name of the Scheme and year of introduction	Supporting Farmer Producer Organisations 2020-21
b)	Budget head	2401-00-195-0-01
c)	If plan, the Central and State share is	100% State
d)	Objective of the Programme	• Mobilising farmers into groups of around 20 members at the village level (FIGs) and building up their associations into FPOs, so as to plan and implement product-specific cluster/commercial crop cycles, • Capacity building of farmers through training on Good Agricultural Practices (GAPs) and facilitating access to steady and timely supply of quality inputs and services, including credit and insurance for increasing agricultural productivity and enhancing competitiveness at cluster level. • Facilitating access to fair and remunerative markets, including linking of FPOs to marketing opportunities. • Providing institutional support for capacity building and handholding of FPOs. • Develop common guidelines to bring synergies across various departments and for effective implementation and functioning. • Create platform for exchange of information, product and services between FPOs and the other stakeholders in the supply and market chain for business networking. • Guide in monitoring and evaluation of FPOs.
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable output at the end of year)	130 Farmers Producer Organizations have been formed by moblizing 100222 Farmers. Rs 495.00 lakhs has been incurred for infrastructure facility and business development up to end of March-2023. As per GO No: ಕೃಇ/42/ಕೃರಾಗೊ/2022, ಬೆಂಗಳೂರು, dated

		08.04.2022, approved a new scheme for developing common centres for farmer producer organizations through KAPPEC, for carrying out post-harvest management, selling and exporting of produce and allocated a grant of Rs.500.00 lakhs for this programme. of which Rs. 500.00 lakhs has been released to KAPPEC.
f)	Financial (Rs. In lakhs)	Rs. 1000.00 Lakhs (Rs. 500.00 Lakh for supporting of FPOs and Rs. 500.00 lakh for KAPPEC)

Expenditure (Rs.In lakhs)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release	Release	Release	Expenditure	Target	Expenditure
50.00	49.25	500.00	500.00	1000.00	995.00

Physical Achievements :(Units – FPOs in nos)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
130	120	130	130	130	93

*Supporting Farmer Producer Organisations for three years period

VI. National Mission for Sustainable Agriculture -Rainfed Area Development (NMSA-RAD)

a)	Name of Scheme and Year of Commencement	Central Sponsored "National Mission for Sustainable Agriculture -Rainfed Area Development", started in the year 2014-15
b)	Budget Head of Account	2401–00–108–1–16 (Central) 2401–00–108–1–17 (State)
c)	If under Planned Scheme, Central and State Share	Central Share 60% & State Share 40%
d)	Objective of the Programme /Project/Scheme.	NMSA-RAD aims at promoting integrated farming system (IFS) with emphasis on multi-cropping, rotational cropping, inter-cropping, mixed-cropping practices with allied activities like horticulture, livestock, agroforestry, silvi-pastoral system NTFPs etc. along with value-addition and resource conservation activities like apiculture, silage unit and vermi-compost to increase the income of the farmer.
e)	Estimated benefit & Beneficiaries	During 2022-23, upto the end of March-2023 Rs.1122.83 lakh expenditure was incurred benefitting 4408 beneficiaries with an area development of 2762.79 ha. (expenditure includes 2021-22 revalidation amount also).
f)	Financial(Rupees in Lakhs)	Rs.1333.00 lakhs

Expenditure (Rs.in lakhs)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Release	Expenditure	Release	Expenditure	Release (including OB)	Expenditure

1660.00	1550.96	1277.28	1161.82	1490.46	1122.83

Physical Achievements :(Unit : Area in Ha.)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
4749	5037	4546	5927	4330	2763

VII. RIDF Assisted Watershed Development Projects: NABARD works -Tranche-27:

a)	Name of Scheme and Year of Commencement	NABARD-RIDF tranche -27 - Assisted Watershed Development Projects, started in the year 2021-22
b)	Budget Head of Account	4402-00-102-0-01 (436)
c)	If under Planned Scheme, Central and State Share	NABARD 95% + State Share 05%
d)	Objective of the Programme /Project/Scheme.	Administration approval has been accorded for this programme to implement from 2021-22 to 2023-24 for 3 years in 10 districts with 10 sub-watershed with upper reach treatment Rubble check & Boulder Check and drainage treatment with various water harvesting structures.
e)	Estimated benefit & Beneficiaries	During 2022-23 upto the end of March-2023, an amount of Rs. 1027.03 lakhs expenditure incurred with construction of Boulder Check of 385 & 184 water harvesting structures.
f)	Financial(Rupees in Lakhs)	Rs.1027.36 lakhs

Expenditure (Rs.in lakhs)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release	Expenditure	Release	Expenditure	Target	Expenditure
-	-	480.00	477.898	1027.36	1027.03

Physical Achievements :(Unit : RC/BC & WHS in Nos.)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
-	-	RC/BC-292 & WHS-140	RC/BC-292 & WHS-140	BC-385 & WHS-184	BC-385 & WHS-184

VIII.Formation and Promotion of Amrith Farmers Producer Organisation

a)	Name of the Scheme and year of introduction	Formation and Promotion of Amrith Farmer Producer Organisation 2021-22
b)	Budget head	2435-01-101-0-01

c)	If plan,the Central and State share is	100% State assistance
d)	Objective of the Programme	1. Mobilising Farmers/Fishers/Weavers into groups of around 20 members at the village level (FIGs) 2. Building up their associations into FPOs, so as to plan and implement product-specific cluster/commercial crop cycles. 3. Strengthening Farmers/Fishers/Weavers capacity through training on Good Agricultural Practices (GAPs) 4. Facilitating access to steady and timely supply of quality inputs and services, including credit and insurance for increasing agricultural productivity and enhancing competitiveness at cluster level. 5. Facilitating access to fair and remunerative markets, including linking of Producer Organizations (POs) to marketing opportunities. 6. Providing institutional support for capacity building and handholding of POs. 7. Develop common guidelines to bring synergies across various departments and for effective implementation and functioning.
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable output at the end of year)	• 383 Amrith Farmers/Fishers/Weavers Producers Organizations have been registered by Watershed Development, Horticulture, Sericulture, Fisheries, Animal Husbandry and Handlooms& Textiles Departments against the target of 533 during 2022-23. During the year, till March-2023, Rs. 4810.00 lakhs has been released and Rs.3397.03 lakhs expenditure incurred for various activities of the Amrith FPOs as per action plan. • As per GO No: AGRI-ASU/15/2021, Bangalore, Dated:14.03.2023, for establishment and development of Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Iruvakki, the pending price adjustment amount of Rs.1412.00 lakh for the construction of new campus buildings works, has been released to the said University, vide Order No.: ಜ.ಅ.ಇ/ಲೆಕ್ಕ–5/ಕ–9/AFPO/ಅ.ಬಿ/2022–23, dated 24.03.2023.
f)	Financial (Revised) (Rs. In lakhs)	Rs. 5458.00 Lakhs

. **Expenditure (Rs.In lakhs)**

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release	Expenditure	Release	Expenditure	Release	Expenditure(*)
-	-	1035.00	1033.60	4810.00	4809.03

(*) Expenditure includes an amount of Rs. 1412.00 lakh given to Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Iruvakki, Shimoga

Physical Achievement : (Unit: FPOs in nos.)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
-	-	250	314	533	383

*****Promotion of Amrith Farmers Producer Organisation for three years period

IX. CSS-Formation and Promotion of 10,000 FPOs

a)	Name of the Scheme and year of introduction	Formation and Promotion of 10,000 FPOs 2020-21
b)	Budget head	PFMS
c)	If plan,the Central and State share is	100% Central assistance
d)	Objective of the Programme	1. Mobilising Farmers/Fishers/Weavers into groups of around 20 members at the village level (FIGs) 2. Building up their associations into FPOs, so as to plan and implement product-specific cluster/commercial crop cycles. 3. Strengthening Farmers/Fishers/Weavers capacity through training on Good Agricultural Practices (GAPs) 4. Facilitating access to steady and timely supply of quality inputs and services, including credit and insurance for increasing agricultural productivity and enhancing competitiveness at cluster level. 5. Facilitating access to fair and remunerative markets, including linking of Producer Organizations (POs) to marketing opportunities. 6. Providing institutional support for capacity building and handholding of POs. 7. Develop common guidelines to bring synergies across various departments and for effective implementation and functioning.
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable output at the end of year)	100 Farmer Producer Organizations (FPOs) have been formed by mobilizing 76,369 Farmers from 2021-22. Expenditure has been incurred for institutional support, Equity grant and to facilitate business. During 2022-23, an expenditure of Rs. 1450.39 lakh has been incured.
f)	Financial (Rs. In lakhs)	Rs. 1704.98 Lakhs

Expenditure (Rs.In lakhs)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release	Expenditure	Release (includes OB)	Expenditure	Release (includes OB)	Expenditure
5.50	0.00	1157.74	470.724	1704.98	1450.39

Physical Achievements : (FPO) Units – in nos)

2020-21		2021-22 *		2022-23 (upto end of March-2023)	
Target*	Achievement	Target	Achievement	Target	Achievement
100	0.00	0.00	100	0.00	100

*** For five years period**

Programme/Scheme implemented from the funds released by Agriculture and Other Departments

X. Rastriya Krishi Vikasa Yojane

i) Formation of Farmer Producer Organisation:

a)	Name of the Scheme and year of introduction	Formation of Farmer Producer Organisation 2019-20
b)	Budget head	2401-00-800-1-57
c)	If plan,the Central and State share is	Central 60% & State 40%
d)	Objective of the Programme	• Mobilising farmers into groups of around 20 members at the village level (FIGs) and building up their associations into FPOs, so as to plan and implement product-specific cluster/commercial crop cycles. • Strengthening farmer capacity through training on Good Agricultural Practices (GAPs) and facilitating access to steady and timely supply of quality inputs and services, including credit and insurance for increasing agricultural productivity and enhancing competitiveness at cluster level. • Facilitating access to fair and remunerative markets, including linking of FPOs to marketing opportunities. • Providing institutional support for capacity building and handholding of FPOs. • Develop common guidelines to bring synergies across various departments and for effective implementation and functioning.
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable output at the end of year)	1,01,240 Farmers have been mobilized for formation of 130 Farmers Producers Organizations from 2019-20. During the 2022-23, up to end of March-2023, Rs 645.2512 lakh has been incurred for institutional support and to facilitate business.
f)	Financial (Revised) (Rs. In lakhs)	Rs. 648.21 Lakhs

Expenditure (Rs.In lakhs)

2020-21		2021-22		2022-23 (upto end of March-2023)	
Release	Expenditure	Target	Expenditure	Target	Expenditure
633.91	540.59	1060.96	977.32	648.21	645.2512

Physical Achievements: (FPO) Units – in nos

2020-21 *		2021-22		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
130	120	130	130	130	130

*** For three years period**

ii) Public Private Partnership for Integrated Agriculture Development (PPP-IAD)

a)	Name of the Scheme and year of introduction	Public Private Partnership for Integrated Agriculture Development (PPP-IAD) 2017-18
b)	Budget head	2401-00-800-1-57
c)	If plan,the Central and State share is	Central : State - 60:40
d)	Objective of the Programme	• Addressing the entire value chain, right from the stage of pre-production to the consumers table through appropriate and timely interventions. • Promotion of good agricultural practices for enhancing production and productivity and providing nutritional security to the people. • Mobilising farmers into groups of between 15- 20 members at the village level (called Farmer Interest Groups or FIGs) and building up their associations to an appropriate federating point i.e. Farmer Producer Organisation (FPOs) so as to plan and implement product-specific cluster/commercial crop cycles. • To create employment opportunities for skilled and unskilled persons, especially unemployed youth. • Improving value addition and making farming a viable business proposition thereby ensuring increase in farmer's profitability.
e)	Estimated benefit and number of estimated beneficiaries from the programme (measurable output at the end of year)	During 2022-23, one PPP-IAD Projects were approved to be implemented in 2 Districts. Period of the project vary from 5 years with the target of registering 75,000 farmers. During the year, by the end of March-2023 an expenditure of Rs.176.6 lakhs has been incurred for various activities of the projects.
f)	Financial (Rs. In lakhs)	Rs. 176.60 Lakhs

Expenditure (Rs.In lakhs)

2020-21		2021-22		2022-23 (Up to end of march-2023)	
Target	Expenditure	Target	Expenditure	Target	Expenditure
701.78	612.66	158.43	158.40	176.60	176.60

Physical Achievements :(Units – in nos)(PROJECT)

2020-21		2021-22		2022-23 (Up to end of march-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
8	7	6	1	1	1

iii) Construction of Check Dam

a)	Name of the Scheme and year of introduction	**Rastriya Krishi VikasaYojane-Construction of Check dam** Ongoing programme since 2017-18
b)	Budget head	2401-00-800-1-57
c)	Project details	Watershed Development Department is implementing Rastriya Krishi VikasaYojane –Check Dam from the year 2017-18. Check dams are small barriers built across the directions of water flow on nala, shallow rivers and streams for the purpose of water harvesting. It is a Centrally Sponsored Scheme with the sharing pattern of Centre and State ratio 60:40.
d)	Objective of the Programme	• To capture the runoff water and to percolate in the soil profile. • To increase the ground water table. • To store water in the nala and make it available for more number of days. • To give protective irrigation in times of moisture stress to increase the production and productivity of the crops. • The water stored in water harvesting structures can be made use for livestock and domestic needs. • To make water available during plant protection of crops for spraying of pesticides. • To avoid scouring of sides of nala. • To avoid siltation of bigger water storage structures and makes them viable for more number of years.
e)	Benefits intended to be accrued and number of beneficiaries from the programme (measurable output at the end of year)	• During 2022-23, it has been planned to take up construction of 476 Check dams with the allocation of Rs.2382.00 lakhs. An amount of Rs.2412.93 lakhs has been utilized with the progress of 499 Check dams out of Rs.2427.14 lakhs grants released upto end of March-2023. 1497 farmers will be benefited under the scheme
f)	Financial (Revised) (Rs in lakh)	2427.14 lakh

Expenditure (Rs.in lakhs)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Release	Expenditure	Release	Expenditure	Release	Expenditure
3615.93	3614.60	1723.30	1719.18	2427.14	2412.93

Physical Achievements : (Unit – Structures in Nos.)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
916	749	421	356	485	499

iv) "Reclamation of Problem Soils" a sub-scheme

a)	Name of Scheme and Year of Commencement	"Reclamation of Problem Soils" a sub-scheme of Rashtriya Krishi VikasYojana (RKVY) Ongoing programme since 2016-17
b)	Budget Head of Account	2401-00-800-1-57 (P)
c)	If under Planned Scheme, Central and State Share	Sharing in the ratio of 60:40 Central and State share
d)	Objective of the Programme/Project/Scheme .	1) To reclaim problem soils and develop lands affected by alkalinity, salinity & acidity. 2) To adopt need based site specific on farm development, bio-engineering measures and application of soil amendments in projected approach. 3) To improve soil fertility and productivity by application of soil test based judicious use of fertilizers and application of macro & micro nutrients, etc. 4) To enhance crop yields by adoption of salt tolerant crop/tree farming systems to ensure food security of the country. 5) To create awareness amongst farmers & stakeholders for continuous cultivation to prevent re-occurrence of problem of alkalinity, salinity and acidity in conjunction with other ongoing missions strategies.
e)	Estimated benefit & Beneficiaries	During 2021-22, 478.49 Ha saline alkali soil has been treated utilizing an amount of Rs.279.00 lakhs (revalidated). 920 farmers will be benefitted under the scheme.
f)	Financial (Rupees in Lakhs)	279.00 lakhs. (Revalidated amount for the year 2021-22)

Expenditure (Rs. in lakhs)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Release	Expenditure	Release	Expenditure	Release	Expenditure
500.00	221.00	279.00*	279.00	0.00	0.00

* revalidated amount

Physical Achievements : (Unit: Area in Ha.)

2020-21		**2021-22**		2022-23 (upto end of March-2023)	
Target	Achievement	Target	Achievement	Target	Achievement
1667	424	478	473.10	0.00	0.00

XI. Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS):

With the objective of creating job opportunities for the small, marginal farmers and landless labourers, soil and water conservation activities were taken up inconvergence with MGNREGS. Action plan for the year 2022-23 to implement Watershed development activities inconvergence with MGNREGS, involves generation of 107.84 lakh person days with the financial target of Rs. 364.23 Crore. During the year 41226.49 Ha of bunding, 7098 Step farm pond, 163 water harvesting structures, have been constructed by generating 74.15 lakh person days with the financial progress of Rs. 259.72 Crore.

Annexure-1

Statement showing physical and financial target and achievement under different schemes for the year 2022-23

(Rs. in lakhs, Area in Hectares, Structure & Micro Watershed in Numbers)

Sl. No	Name of the Scheme	Unit	Annual Budget	Revised Budget			Releases including OB	Cumulative achieve-ment up to Mar- 2023	Physical		% of achievement for release (col 7)	% of achievement for Releases including OB (col 8)	Remarks
				State Share	Central Share	Total			Annual Target	Achieve ment			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Watershed Devt. Dept. Est. 2402-00-102-0-15		1917.00	1927.03	-	1927.03	1921.03	1844.61	_	_	95.72	96.02	
2	Assistance to Zilla Parishads/District level Panchayats (2402-00-196-02-01)		3976.32	3976.32	-	3976.32	3970.18	3970.18	_	_	99.85	100.00	
3	Assistance to Block Panchayats/ Intermediate level Panchayats (2402-00-197-01-01)		110.34	110.34	-	110.34	108.28	108.28	_	_	98.13	100.00	
4	Pradhana Manthri Krishi Sinchayi Yojane-Other intreventions 2401-00-108-2-30 2401-00-108-2-58 *	Water harwesting Structures (WHS) in Nos.	7500.00	3000.00	4500.00	7500.00	6884.58	4169.76	1500	1081	55.60	60.57	
5	Pradhana Manthri Krishi Sinchayi Yojane-Watershed Development Component (PMKSY-WDC-2.0)	Hectares	5000.00	12847.33	19271.00	32118.33	33837.12	30725.92	137729	131758	95.66	90.81	
6	REWARD-EAP 2402-00-103-0-06*	LRI MWS numbers	10000.00	5000.00	-	5000.00	9250.00	7717.75	900	-	100	83.44	*
7	Watershed Development for Drought Proofing 4402-00-102-0-05	Hectares	4000.00	4000.00	0.00	4000.00	4000.00	3999.28	33000	33000	99.98	99.98	
		WHS							365	403			
8	National Mission for Sustainable Agriculture-Rainfed Area Development (NMSA-RAD) 2401-00-108-1-16	Hectares	1333.00	533.00	800.00	1333.00	1490.46	1122.83	4330	2763	84.23	75.33	

Sl. No	Name of the Scheme	Unit	Annual Budget	Revised Budget			Releases including OB	Cumu-lative achieve ment up to Mar- 2023	Physical		% of achieve ment for release (col 7)	% of achie vement for Releases including OB (col 8)	Re ma rks
				State Share	Central Share	Total			Annual Target	Achi eve ment			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
9	Supporting Famers producer Organization 2401-00-195-0-01	FPOs (in Nos.)	1000.00	1000.00		1000.00	1000.00	995.00	130	93	99.50	99.50	
10	Formation and Promotion of Amrith Farmers Producer Organization 2435-01-101-0-01	FPOs (in Nos.)	7046.00	5458.00	-	5458.00	4810.00	4809.03	533	383	88.11	99.98	
11	RIDF Assisted Watershed Development Project (NABARD Tranche-27)	BC	0.00	1027.36	-	1027.36	1027.36	1027.03	385	385	99.96	99.96	
		WHS							184	184			
12	CSS-Formation and Promotion of 10,000 FPOs (PFMS)	FPOs (in Nos.)	1704.98	-	1704.98	1704.98	1704.98	1450.39	100	100	85.07	85.07	
13	Mahatma Gandhi National Rural Employment Guarantee Scheme	Hectares (bunding) / Structures	36423.56	0.00	36423.56	36423.56	25972.69	25972.69	44000	41226.49	71.31	100	
									808	163			
14	**Rashtriya Krishi Vikas Yojane (RKVY) 2401-00-800-01-57**												
	a) Check Dam (CD)	Structures (in Nos.)	2382.00	970.86	1456.28	2427.14	2427.14	2412.93	485	499	99.41	99.41	
	b) Formation of Farmers Producers Organization-FPO	FPOs (in Nos.)	760.58	259.28	388.93	648.21	648.21	645.25	130	130	99.54	99.54	
	c) public Private Partnership for integrated agriculture Development	**Project No.**		70.64	105.96	176.60	176.60	176.60	1	1	100	100	

*Preparatory activities of REWARD program are completed and Physical target will be achieved from 2023-24

CHAPTER-IV

Organization Structure:

The Watershed Development Department is established with effect from 1.4.2000.

1. State level: This department is headed by the Commissioner, an I.A.S. or IFS Officer of super time scale, assisted by Director of Watershed, one Chief Conservator of Forest, three Joint Directors of Agriculture, one Joint Director of Horticulture and one Joint Director of Animal Husbandry and one Joint Director of Planning are assisting the Commissioner in the matters of Forestry, Horticulture, Agriculture and Animal Husbandry activities, as well as Chief Account Officer of the rank of Joint Controller of State Accounts for accounts.

2. District level: At the District Level, Joint Director of Agriculture is implementing the watershed programmes assisted by multidisciplinary team from Agriculture, Forest, Horticulture & Animal Husbandry sector under the overall supervision/control of Zilla Panchayath.

3. Taluka level: The Taluka Level Office is headed by the Assistant Director of Agriculture, who heads PIA (Project Implementing Agency) is responsible for implementation and monitoring of various schemes/ programme for the overall development of watershed.

Details of the Officers and Staff working at Commissionerate of Watershed Development Department.

Sl No	Cadre	Sanctioned Post	Filled Post	Vacant	Filled Post		Filled Post	
					Gents	Ladies	SC	ST
1	'A'	19	16	03	07	09	01	01
2.	'B'	17	9	08	04	05	03	0
3.	'C'	51	18	33	10	08	02	1
4.	'D'	20	5	15	5	0	0	0
	Total	107	48	59	26	22	6	2

Details of the Out Source Staffs - Pradhana Manthri Krishi Sinchayi Yojane-Watershed Development Component 2.0 (PMKSY –WDC-2.0) working in Commissionerate of Watershed Development Department.

Sl No	Designation	Post
1.	Technical Expert (IT)	**1**
2.	GIS & RS Assistant	**1**
3.	IEC coordinator	**1**
4.	Programmer	**1**
5.	Accounts Assistant	**2**
6.	Assistant	**2**
7.	Data Entry Operator	**14**
8.	Driver	**10**
9.	Group 'D'	**17**
10.	Sweeper	**3**
11.	Security	**4**
	Total	**56**

Out Source post details at District level under - Pradhana Manthri Krishi Sinchayi Yojane-Watershed Development Component 2.0 (PMKSY –WDC-2.0) scheme during 2022-23

Sl No	Designation	Post
1.	Technical Assistant/ Watershed Coordinator	**30**
2.	Accountant	**30**
3.	Data Entry Operator	**62**
	Taluk Level Staffs	
4.	Accountant Cum Data Entry Operator	**57**
	WC	
5.	Watershed Assistant	**147**
	Total	**326**

Details of the Out Source Staffs under REWARD. working at Commissionerate of Watershed Development Department.

Sl. No.	Designation	Number of Posts
1.	M&E & IVA Consultant	1
2.	GIS Consultant	1
3.	Hydrologist	1
4.	Social Mobilization and Documentation	1
5.	System Analyst & MIS Co-ordinator	1
6.	Program Manager	1
7.	GIS & MIS Assistant	1
8.	Project Manager	2
9.	Project Assistant	3
10.	PA to P D	1
11.	DEO	2
12.	Group-D	4
	Total	19

Details of the Out Source Staffs under FPO-PMU working at Commissionerate of Watershed Development Department.

Sl No	Designation	Post
1.	Consultant (**FPO-PMU)**	1
	Total	**1**

Details of Out Source Staff Details under WDPD Working under Watershed Development Department.

Sl	Designation	Post
	Head Office	
1.	MIS Specialist	**1**
	District Level	
1.	**Data Entry Operator/Account Assistant**	**29**
	Total	**30**

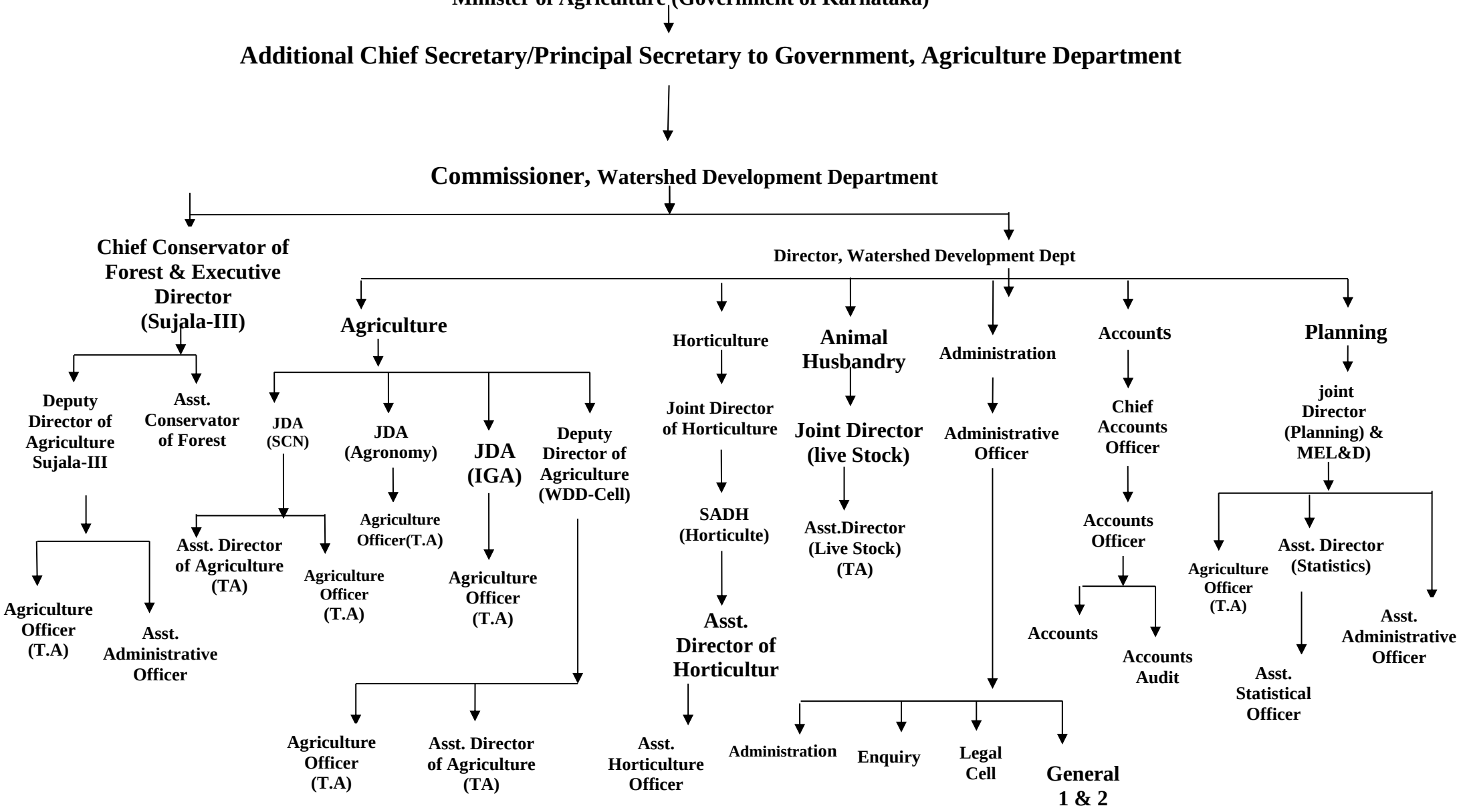
Details of A,B,C & D Cadre working in Watershed Development Department

Sl No	Cadre	Sanctioned Post	Filled Post	Vacant Post
1	2	3	4	5
1	Commissioner	1	1	0
2	Director	1	1	0
3	Chief Conservator of Forest	1	0	1
4	Joint Director of Agriculture	3	3	0
5	Joint Director of Horticulture	1	1	0
6	Joint Director of Animal Husbandry	1	1	0
7	Chief Accounts Officer	1	1	0
8	Administrative Officer	1	0	1
9	Joint Director of Planning (Deputy Director post as been Upgraded to Joint Director Post)	1	1	0
10	Deputy Director of Agriculture	2	2	0
11	Senoir Assistant Director of Horticulure	1	1	0
12	Assistant Director of Agriculture	3	3	0
13	Assistant conservator of Forest	1	0	1
14	Assistant Director of Animal Husbandry	1	1	0
15	Hydrogeologist	1	0	1
16	Assistant Hydrogeologist	2	0	2
17	Project Sociologist	1	0	1
18	Environment Specialist	1	0	1
19	Assistant Director of Statistics	1	1	0
20	Accounts Officer	1	0	1
21	Administrative Assistant	2	1	1
22	Agriculture Officer	6	6	0
23	Assistant Director of Horticulture	1	1	0
24	Assistant Horticulture Officer	1	0	1
25	Superintendent	8	8	0
26	First Divistion Assistant	14	3	11
27	Second Divistion Assistant	7	3	4
28	Assistant Statistic Officer	2	0	2
29	Stenographer	8	2	6
30	Senior Typist	2	2	0
31	Typist	4	0	4
32	Senior Driver	1	0	1
33	Driver	5	0	5
34	Group D	20	5	15
	Total	**107**	**48**	**59**

Details of District and Talukwise staffs

Sl No	Districts	Sanctioned Post					Filled Post					Vacant Post				
		A	B	C	D	Total	A	B	C	D	Total	A	B	C	D	Total
1	Bengaluru	1	2	5	0	**8**	1	0	3	0	**4**	0	2	2	0	**4**
2	Bagalakote	1	2	5	0	**8**	1	2	4	0	**7**	0	0	1	0	**1**
3	Belagavi	2	2	5	0	**9**	1	2	3	0	**6**	1	0	2	0	**3**
4	Bellary	1	2	5	0	**8**	1	1	5	0	**7**	0	1	0	0	**1**
5	Bidar	1	2	5	0	**8**	0	1	3	0	**4**	1	1	2	0	**4**
6	Vijyapura	1	2	5	0	**8**	1	2	5	0	**8**	0	0	0	0	**0**
7	Chamrajnagar	1	2	4	0	**7**	0	0	2	0	**2**	1	2	2	0	**5**
8	Chikkaballapur	1	2	5	0	**8**	1	1	2	0	**4**	0	1	3	0	**4**
9	Chikkamagalur	1	2	5	0	**8**	1	1	2	0	**4**	0	1	3	0	**4**
10	Chitradurga	1	2	4	0	**7**	0	2	4	0	**6**	1	0	0	0	**1**
11	Dharwad	1	2	5	0	**8**	1	1	5	0	**7**	0	1	0	0	**1**
12	Davangere	1	2	4	0	**7**	1	2	2	0	**5**	0	0	2	0	**2**
13	Kalburagi	1	2	5	0	**8**	1	1	4	0	**6**	0	1	1	0	**2**
14	Gadag	1	2	4	0	**7**	0	2	3	0	**5**	1	0	1	0	**2**
15	Hasan	1	2	5	0	**8**	0	0	4	0	**4**	1	2	1	0	**4**
16	Haveri	1	2	5	0	**8**	1	1	2	0	**4**	0	1	3	0	**4**
17	Kolar	1	2	5	0	**8**	1	0	2	0	**3**	0	2	3	0	**5**
18	Koppal	1	2	5	0	**8**	0	0	2	0	**2**	1	2	3	0	**6**
19	Kodagu	1	2	5	0	**8**	1	0	1	0	**2**	0	2	4	0	**6**
20	Mandya	1	2	5	0	**8**	0	0	2	0	**2**	1	2	3	0	**6**
21	Mysore	1	2	5	0	**8**	1	1	3	0	**5**	0	1	2	0	**3**
22	Karwar (U.K)	1	2	5	0	**8**	0	2	2	0	**4**	1	0	3	0	**4**
23	Udupi	0	2	5	0	**7**	0	1	0	0	**1**	0	1	5	0	**6**
24	Dakshina Kannada	0	2	5	0	**7**	0	1	0	0	**1**	0	1	5	0	**6**
25	Raichur	1	2	5	0	**8**	0	1	1	0	**2**	1	1	4	0	**6**
26	Ramnagar	2	2	4	0	**8**	1	0	2	0	**3**	1	2	2	0	**5**
27	Shivamogga	1	2	5	0	**8**	1	1	2	0	**4**	0	1	3	0	**4**
28	Tumkur	1	2	5	0	**8**	0	0	2	0	**2**	1	2	3	0	**6**
29	Yadagiri	1	2	5	0	**8**	0	1	2	0	**3**	1	1	3	0	**5**
30	Dist.Training Center, Mysore	1	0	0	0	**1**	0	0	0	0	**0**	1	0	0	0	**1**
31	Dist.Training Center, Vijyapura	1	0	0	0	**1**	1	0	0	0	**1**	0	0	0	0	**0**
	Total	**31**	**58**	**140**	**0**	**229**	**17**	**27**	**74**	**0**	**118**	**14**	**31**	**66**	**0**	**111**

WATERSHED DEVELOPMENT DEPARTMENT
STATE LEVEL ORGANIZATION CHART



Glimpse of Watershed works/activities

Unnamed Road, Kanchanahalli, Karnataka 571128, India
Kanchanahalli
Karnataka
India
Decimal DMS
Latitude 11.887426 11°53'14" N
Longitude 76.786141 76°47'10" E
2019-06-18(Tue) 04:59(pm)

Decimal DMS
Latitude 16.317435 16°19'2" N
Longitude 76.885467 76°53'7" E
2016-07-28(Thu) 17:11

ಕಾಮಗಾರಿ ಹೆಸರು : ಗೊಕಟ್ಟಾ
ಗ್ರಾಮ : ಹಟ್ಟಿ

ನಾಲಬಡು
ಬ್ಯಾಡರಳ್ಳಿ ಗ್ರಾಮ

Latitude: 16°50'44"
Longitude: 75°7'50"
Elevation: 622.53m
Accuracy: 3.2m
Note: Dondiba maruti mali(V)
PMKSY-OI NB-23
Balligeri sy.no-217

30 07 2015

15 07 2015

30 07 2015

ANNUAL REPORT FOR THE YEAR 2022-23 AND ANNUAL PLAN 2023-24 OF KARNATAKA STATE SEEDS CORPORATION.

AIM OF KSSC:

The aim of the Corporation is to emerge as an industry leader in the State in seed line of activity with a continuous pursuance of excellence in quality and effective distribution services, with an eye on right product, right time, right price and right place of supply.

VISION OF KSSC:

The vision of the Corporation is to be a leading agency for accelerating agriculture productivity and production and for improving the viability of agriculture as a vocation.

STATISTICS OF KSSC:

The statistics showing the details of quantity of seeds procured, quantity of seeds sold, turnover and profitability of the Corporation for the years 2001-2002 to 2022-23 and the plan for 2023-24 are shown in **ANNEXURE-1** enclosed.

HISTORY OF KSSC:

The Corporation was established in the year 1973 under the Name & Style of "Karnataka State Agro Seeds Corporation Limited" a subsidiary organization of Karnataka Agro Industries Corporation Limited. The Government of Karnataka has participated in the National Seed Project-II during 1979. Under the National Seed Project the subsidiary organization was made an independent Corporation under the present name and style of "Karnataka State Seeds Corporation Limited". Today the Corporation is one of the successfully run Organizations of the Government of Karnataka.

PROGRAMME & PROGRESS ACHIEVED DURING 2022-23

Foundation Seed Production Programme:

During the year, the Corporation has achieved the foundation seed production programme in an area of 1337 acres as against the targeted area of 2303 acres. The Corporation has procured 4858.21quintals of foundation seeds up to 31.03.2023 as against the target of 13267.50 quintals. (**ANNEXURE-2)**

CERTIFIED SEED PRODUCTION PROGRAMME:

The Corporation has achieved the certified seed production programme in an area of 41040 acres as against the targeted area of 61530 acres. The Corporation has procured 164233.26 quintals of certified seeds up to 31.03.2023 as against the target of 373370 quintals. (**ANNEXURE-3)**

SEED DISTRIBUTION PROGRAMME:

The targeted seed distribution programme for the year 2022-23 was 3,90,405 quintals to achieve a turnover of Rs.26331 lakhs. The progress achieved is 2,73,062 quintals against the target, thereby achieved 70.00% physical Progress. The turnover achieved is Rs. 18,962 lakhs thereby achieved 72.01% financial Progress.

ANNUAL PLAN FOR THE YEAR -2023-24

SEED PRODUCTION

Foundation Seed Production :

Corporation has targeted to produce 11707.00 quintals of foundation seeds during Kharif, 2023-24 in an area of 1996 acres. (**ANNEXURE-4)**

Certified Seed Production :

Corporation has targeted to produce 261207.00 quintals of certified seeds during Kharif, 2023-24 in an area of 35124 acres. (**ANNEXURE-5)**

Seed Distribution :

Corporation has targeted to distribute 3,05,080 quintals of seeds during 2023-24 to achieve a turnover of Rs 23487 lakhs.

Fertilizer buffer stock management programme :

State government had assigned fertilizer buffer stock maintenance and distribution during 2022-23 and KSSC had stocked and then distributed 77796 MTs of Urea , 55983 MTs of DAP & 49936 MTs of Complex along with MOP & MAP , a total quantity of 1,83,715 MTS fertilizers with a turnover of 20000 Lakhs.

Details of distributed CSR Fund:

As per the approval of 308th board meeting held on 15.03.2023 CSR funds distributed as below:

Fund details specified as in Shedule-VII	Transferred Amoun (in Rs)
Encouragement of education in Karnataka Schools. (Item no.2 of Schedule-VII)	Rs.11,03,170/-

ANNEXURE-1

SEEDS SALE, TURNOVER & PROFIT FOR THE YEAR FROM

2001-2002 TO 2022-2023 & Budgeted Plan for 2023-24

Qty in Qtls and Amount Rs. In Lakhs.

YEAR	SALES QTY	SALES TURN-OVER	PROFIT (PBT)
2001 – 2002	1,41,734	2,972.31	32.89
2002 – 2003	1,96,651	3,125.64	- 108.01
2003 – 2004	1,80,676	3,729.35	139.05

2004 – 2005	2,15,400	4,111.28	57.03
2005 – 2006	2,37,474	7,220.46	149.92
2006 – 2007	4,85,971	18,598.32	161.95
2007 – 2008	2,54,876	5,477.24	52.74
2008 – 2009	2,77,994	5,864.23	82.24
2009 – 2010	6,00,045	17,810.33	711.62
2010 – 2011	4,74,999	16,455.16	606.86
2011 – 2012	3,68,575	15,013.68	659.51
2012 – 2013	3,95,424	20,583.89	993.32
2013 – 2014	2,89,133	16,383.00	365.39
2014 – 2015	3,12,583	15,269.90	65.37
2015 – 2016	3,52,610	15,114.17	408.62
2016 – 2017	2,96,036	15,759.39	179.63
2017 – 2018	3,54,120	17,152.09	125.53
2018 –19	3,14,586	14,688.00	84.20
2019-20	3,17,686	16,750.00	177.70
2020-2021	2,91,309	16,062.03	492.57
2021-2022	2,67,844	17,560.00	976.43
2022-2023	2,73,062	18,962.00	
2023-2024 (Plan)	3,05,080	23,487.00	

Fertilizer buffer stock management programme :

Qty in Mts / Value in Lakh Rs.

YEAR	Buffer Stock Plan	TURN-OVER	PROFIT (PBT)
2023-2024 (Plan)	1,35,000	20000.00	135.00

ANNEXURE-2						
2022-23 Foundation seed production (as on 31-03-2023)						
S/N	**CROP**	**VARIETY**	TARGET AREA (acres)	TARGETTED QUANTITY (qtls)	AREA DISTRIBUTED (acres)	PROCESSED QUANTITY (qtls)
1	**2**	**3**	**4**	**5**	**6**	**7**
1	**HY JOWAR**	CSH-14				
		AKMS-14A	1	2		
		AKMS-14B	1	2		
		AKR-15009A, 150R	1	2		
		S.T	**3**	**5**		
	CSH-16	MS-27A	1	2		
		MS-27B	1	2		
		C-43 R Line	1	2		
		S.T	**3**	**5**		
		TOTAL	**6**	**10**		
2	**R.JOWAR**					
		M35-1	13	65	12	5.40
		SPV -2217	11	55	8	16.50
		CSV-37	1	4		
		Vasudha	2	8		
		Revathi	2	8		
		S.T	**29**	**140**	**20**	**21.90**
3	**SWEETCORN MAIZE**	FSCH-18	3	70		
	HY.MAIZE	BRMH-8	2	20		
		S.T	**5**	**90**		
4	**BAJRA**					
		DhanShakti	1	4	1	6.18
		S.T	**1**	**4**	**1**	**6.18**
5	**WHEAT**					
		DWR-162	32	192	8	53.46
		HI-1605	4	24	3	
		UAS -304	7	42	15	81.90
		UAS -334	3	20	1	
		UAS -347	4	24	5	
		UAS -446	4	24	4	12.30

		GW-273	4	24		
		UAS -375	4	24	2	10.35
		S.T	**62**	**374**	**38**	**158.01**
6	**RAGI**					
		INDAF-7	1	8		
		INDAF-9	1	8		
		MR-1	2	16	3	11.80
		MR-6	4	32	4	30.98
		GPU-28	5	40	5	20.10
		GPU-67	1	8		
		KMR-301	3	24	3	
		ML - 365	7	56	7	52.60
		S.T	**24**	**192**	**22**	**115.48**
7	**PADDY**					
		JAYA	17	306	8	34.25
		IET-13901	7	105		
		T.HAMSA	4	60	4	36.25
		INTAN	2	20		
		IR-64	18	324	18	341.79
		BPT-5204	4	80	4	100.00
		ABHILASH	3	54	3	
		JYOTHI	13	260	14	176.25
		MTU-1001	13	230	9	70.00
		MTU-1010	4	60	9	188.50
		UMA	13	260	13	267.90
		TANU	2	30	2	17.43
		MO-4	11	165	2	43.20
		MO-21	4	60		
		JGL-1798	1	20		
		GNV-1089	3	45		
		IET-9251	3	45	3	49.25
		NDLR-7	4	60		
		KHP-11	1	15		
		KHP-13	2	30		
		BR - 2655	2	30	5	37.35
		KPR-1	1	15		
		KKP-5	2	30	2	
		JGL-18047	2	40		
		S.Megha	4	60	4	64.50
		S Panchamukhi	2	30		
		NLR-3354	4	60		
		RNR -15048	20	400	23	490.25

		S.T	**166**	**2894**	**123**	**1916.92**
8	**NAVANE**					
		HMT-100-1	2	16		
		DHFT-109-3	2	16	2	3.42
		S.T	**4**	**32**	**2**	**3.42**
9	**SAME**	DHLM-93-3	1	8		
10	**B M**	DHBM 93-3	1	8	1	0.60
11	**B M**	DHB 93-2	1	8		
12	**HARAKA**	RBK 390-25			6	5.40
		S.T	**3**	**24**	**7**	**6.00**
		CEREALS TOTAL	**300**	**3760**	**213**	**2228**
13	**COWPEA**					
		DC -15	50	150	60	124.20
		KBC-9			15	
		S.T	**50**	**150**	**75**	**124.20**
14	**GEENGRAM**					
		BGS -9	45	90	45	73.50
		DDGV - 2	2	4	1	
		DGV-1	25	50	5	8.80
		S.T	**72**	**144**	**51**	**82.30**
15	**BLACKGRAM.**					
		TAU-1	10	20	5	11.00
		DBGV -5	16	32	9	
		DU-1	7	14	7	
		LBG-791			1	
		S.T	**33**	**66**	**22**	**11.00**
16	**REDGRAM**					
		TS-3R	70	280	76	145.01
		BRG-1	12	24		
		BRG - 3	7	14		
		BRG -5	15	30	11	2.90
		BSMR -736	1	4		
		GRG-152			17	40.40
		GRG -811	54	270	49	150.80
		S.T	**159**	**622**	**153**	**339.11**
17	**BENGALGRAM**					
		JG-11	230	1126	230	976.53
		JAKI - 9218	92	398	89	347.34
		GBM-2	26	102	15	36.27
		BGD 111-1	23	115	25	64.80
		BGD-103	13	52		
		MNK-1	9	44	2	

		SA-1	6	24	20	135.95
		NBeG-49	138	690	120	43.20
		NBeG-452				
		S.T	**536**	**2551**	**501**	**1604.09**
		PULSES TOTAL	**850**	**3533**	**802**	**2160.70**
18	**GROUDNUT**					
		K -6	138	828		
		KCG-6	55	330		
		GKVK-5	50	300		
		G-2-52	32	186		
		S.T	**275**	**1644**		
19	**SUNFLOWER**					
		KBSH-41				
		CMS-234 A	1	4		
		CMS-234 B	1	2		
		RHA 95 C-1	1	2		
		S.T	**2**	**8**		
		KBSH-44				
		CMS-17 A	2	8		
		CMS-17 B	1	4		
		RHA 95 C-1	1	2		
		S.T	**4**	**14**		
		KBSH-78				
		KBSH-78 A	1	4		
		KBSH-78 B	1	2		
		KBSH-78	1	2		
		S.T	**2**	**8**		
		TOTAL	**8**	**30**		
20	**SAFFLOWER**					
		A-1				
		ISF-764	7	28	5	
		S.T	**7**	**28**	**5**	
21	**SOYABEAN**					
		JS-335	690	3408	222	
		JS-9305	173	865	53	231.40
		DSB-34			37	238.20
		S.T	**863**	**4273**	**312**	**469.60**
		OIL SEEDS TOTAL	**1153**	**5975**	**317**	**469.60**
		Diancha				
		GRAND TOTAL	**2303**	**13267.50**	**1332**	**4858.21**

ANNEXURE-3						
2022-23 Certified seed production (as on 31-03-2023)						
S/N	**CROP**	**VARIETY**	TARGET AREA (acres)	TARGETTED QUANTITY (qtls)	AREA DISTRIBUTED (acres)	PROCESSED QTY(qtls)
1	**2**	**3**	**4**	**5**	**6**	**7**
1	**R.JOWAR**					
		M35-1	900	4500	958	506.91
		SPV -2217	225	1125	359	351.02
		Revathi	331	1655		
		S.T	**1456**	**7280**	**1317**	**857.93**
2	**MAIZE**					
		BRMH-8	63	500	38	69.65
		MAH-14-5	12	100		
		S.T	**75**	**600**	**38**	**69.65**
3	**BAJRA**					
		DhanShakti	94	375	94	316.59
		S.T	**94**	**375**	**94**	**316.59**
4	**WHEAT**					
		DWR-162	836	6688	552	961.49
		MACS - 4028	72	576		
		HI-8777	72	576		
		UAS-415	72	576		
		UAS -304	145	1160	118	367.20
		UAS -347	72	576		
		UAS -375	72	576		
		S.T	**1341**	**10728**	**670**	**1328.69**
5	**RAGI**					
		INDAF-7	38	304	40	221.27
		INDAF-9	38	304	38	73.68
		MR-1	288	2300	350	1472.65
		MR-6	1089	8700	973	3991.60
		GPU-28	651	5200	605	1802.05
		GPU-66	25	200	20	124.65
		KMR-301	63	500	10	
		KMR-630	26	200	30	305.91
		KMR-316	76	600		
		ML - 365	1501	12000	1250	5542.54
		S.T	**3795**	**30308**	**3316**	**13534.35**
6	**PADDY**					

		JAYA	359	5750	203	2991.46
		IET-13901	273	3550	248	2647.25
		T.HAMSA	153	2300	70	465.00
		INTAN	150	1750	125	1246.50
		IR-64	234	3500	265	3602.46
		BPT-5204	175	3500	203	2721.25
		ABHILASH	281	5050	183	3045.88
		JYOTHI	847	15250	1287	12411.65
		MTU-1001	293	5250	416	8001.40
		MTU-1010	196	3500	140	2410.49
		UMA	861	15500	633	6396.71
		TANU	47	750	42	589.35
		MO-4	289	5200	121	1884.15
		MO-21	33	500		
		JGL-1798	64	1150		
		KMP-220	28	500		
		NDLR-7	28	500		
		BPT-2812	28	500		
		MSN-99	28	500		
		S.Panchamukhi	28	500		
		BR - 2655	133	2000	115	499.00
		RNR -15048	1150	23000	1111	7819.95
		S.T	**5678**	**100000**	**5162**	**56732.50**
7	**NAVANE**					
		HMT-100-1	46	230		
		DHFT-109-3	120	600	210	84.29
		S.T	**166**	**830**	**210**	**84.29**
8	**SAME**	DHLM-36-8	10	50		
9	**B M**	DHBM 93-3	20	100	5	0.85
10	**HARAKA**	RBK 390-25	40	200	20	
		S.T	**70**	**350**	**25**	**0.85**
		CEREALS TOTAL	**12675**	**150471**	**10832**	**72924.85**
11	**COWPEA**					
		DC -15	1167	3501	1023	1390.22
		KBC-9	100	300		
		S.T	**1267**	**3801**	**1023**	**1390.22**
12	**GEENGRAM**					
		BGS -9	2101	6300	1998	4445.15
		DDGV - 2	383	1150	402	817.60
		KKM-3	167	500		
		S.T	**2651**	**7950**	**2400**	**5262.75**

13	**BLACKGRAM**					
		TAU-1	183	550	100	211.45
		DBGV -5	384	1150	349	361.90
		DU-1	233	550	12	9.00
		T-9	584	1500	4	
		LBG-791	100	300		
		S.T	**1484**	**4050**	**465**	**582.35**
14	**REDGRAM**					
		TS-3R	2858	14200	2852	6337.55
		BRG-1	288	575	11	23.00
		BRG - 3	175	350	16	7.55
		BRG -5	1150	2300	476	444.55
		BSMR -736	60	300	45	199.85
		GRG-152	200	1000	240	1013.76
		GRG -811	1800	9000	2175	6195.52
		S.T	**6531**	**27725**	**5815**	**14221.78**
15	**BENGALGRAM**					
		JG-11	17325	82600	13901	50268.63
		GBM-2				
		JAKI - 9218	3735	18675	3178	13457.17
		P Vikram	144	576		
		GBM-2			39	158.29
		BGD 111-1	275	1100	280	1193.82
		SA-1	145	580	144	435.57
		NBeG-49	210	1050	152	478.67
		NBeG-452	110	550	75	373.15
		S.T	**21944**	**105131**	**17769**	**66365.30**
		PULSES TOTAL	**33877**	**148657**	**27472**	**87822.40**
16	**GROUDNUT**					
		K -6	1083	5498	57	5.70
		K-1812	2084	10504	80	
		G-2-52	27	135	22	
		S.T	**3194**	**16137**	**159**	**5.70**
17	**SUNFLOWER**					
		RHA 95 C-1	100	200		
		BRSSC-3	75	150		
		S.T	**175**	**350**		
18	**SAFFLOWER**					
		A-1	185	555		
		ISF-764	274	950	372	98.41
		S.T	**459**	**1505**	**372**	**98.41**
19	**SOYABEAN**					

		JS-335	11000	55000	2145	3381.90
		DSB-21	100	500	22	
		DSB-34	20	100	8	
		KDS-726	30	150		
		S.T	**11150**	**55750**	**2175**	**3381.90**
		OIL SEEDS TOTAL	**14978**	**73742**	**2706**	**3486.01**
		Diancha		500		
		GRAND TOTAL	**61530**	**373370**	**41010**	**164233.26**

ANNEXURE -4

KSSC Ltd, Bangalore

2023-24- Kharif Foundation seed production programme

Sl. No	Crop	Variety	Target. Area	Target. Qty
1	**2**	**3**	**4**	**5**
1	**RAGI**	ML-365	5	40
			3	24
			1	8
		S.T	9	72
		GPU-28	4	32
		S.T	4	32
		MR-1	2	16
		S.T	2	16
		MR-6	8	64
		S.T	8	64
		KMR-301	1	8
		S.T	1	8
		KMR 630	1	8
		S.T	1	8
		RAGI TOTAL	25	200
2	**Foxtail millet (Navane)**			
		HMT-100-1	1	8
		DHFT 109-3	4	30
		S.T	5	38
3	**Minor Millets**	Little millet (Same)		
		DHLTMV 36-3	2	16
		S.T	2	16
		Barnyard Millet (Oodalu)		

		DHBM23-3	10	80
			10	80
			10	80
		S.T	30	240
		DHB 93-2	1	8
		S.T	1	8
		Proso millet		
		PMV442(GPUP25)	5	40
			5	40
		S.T	10	80
		Kodo millet		
		jawahar kodo, RBK-155	1	8
		S.T	1	8
		MILLETS TOTAL	49	390
4	**BAJRA**	DHANASHAKTHI	1	3
			1	3
5	**Hy Maize**	Co(H)M 8	2	20
		S.T	2	20
6	**HYV.PADDY**			
		JAYA	3	54
			3	54
		S.T	6	108
		IR-64	4	72
		S.T	4	72
		JYOTHI	8	160
			6	120
		S.T	14	280
		INTAN	3	30
		S.T	3	30
		ABHILASH	3	54
		S.T	3	54
		T.HAMSA	3	45
		S.T	3	45
		BPT-5204	1	20
			1	20
		S.T	2	40
		MTU-1001	2	36
			2	36
		S.T	4	72
		MTU-1010	1	18

		S.T	1	18
		TANU	1	15
		S.T	1	15
		MO-4	5	75
		S.T	5	75
		MO-21	1	15
		S.T	1	15
		JGL-1798	1	16
		S.T	1	16
		BR- 2655	4	60
		S.T	4	60
		UMA	11	220
			5	100
		S.T	16	320
		NDLR 7	1	15
		S.T	1	15
		TUNGA (IET-13901)	3	45
		S.T	3	45
		KHP 13	2	30
		S.T	2	30
		RNR - 15048	8	160
			8	160
			4	80
		S.T	20	400
		Sahyadri Megha	4	60
		S.T	4	60
		Sahyadri Panchamukhi	1	15
		S.T	1	15
		NLR 3354	4	60
		S.T	4	60
		PADDY TOTAL	103	1845
		CEREALS TOTAL	180	2458
7	**GREENGRAM**	BGS-9	15	30
			15	30
			10	20
			10	20
			10	20
			15	30
			11	22
		S.T	86	172
		DGV 1	7	14
			9	18
			9	18

		S.T	25	50
		DGGV 2	5	10
			5	10
			5	10
		S.T	15	30
		GREEN GRAM TOTAL	126	252
8	**BLACKGRAM**			
		TAU-1	7	14
		S.T	7	14
		DU -1	2	4
			7	4
			5	10
		S.T	14	18
		DBGV-5	5	10
			6	12
			7	14
			4	8
		S.T	22	44
		BLACKGRAM TOTAL	43	76
9	**REDGRAM**			
		BRG-1	2	4
		S.T	2	4
		BRG-3	5	10
			2	4
		S.T	7	14
		BRG-5	3	5
			3	5
			3	6
		S.T	8	16
		TS-3R	6	25
			9	35
			9	35
			15	60
			8	33
			9	35
		S.T	56	223
		BSMR -736	1	4
		S.T	1	4
		GRG-152	4	20
		S.T	4	20
		GRG -811	8	40
			7	35
			8	40

			8	40
		S.T	31	155
		REDGRAM TOTAL	109	436
		PULSES TOTAL	278	764
10	**GROUND NUT**			
		K-6	113	678
			13	78
			25	150
		S.T	151	906
		GKVK-5	25	150
			25	150
		S.T	50	300
		1812	250	1500
			85	510
			85	510
			90	500
			90	500
		S.T	600	3520
		KCG -6	55	330
		S.T	55	330
		G-2-52	15	90
			15	90
		S.T	30	180
		GROUNDNUT TOTAL	831	4906
11	**SOYABEAN**			
		JS-335	580	2900
			45	226
		S.T	625	3126
		KDS-726(Phule Sangam)	14	90
			8	40
			10	70
		S.T	32	200
		DSB-34	10	50
			6	30
			6	30
			5	25
			5	25
		S.T	32	160
		DSB-23	3	15
			3	15
			2	10
			2	10
			3	13

		S.T	13	63
		DSB-21	2	10
			1	5
			1	5
			1	5
			1	5
		S.T	6	30
		SOYABEAN TOTAL	708	3579
		OIL SEEDS TOTAL	1539	8485
		GRAND TOTAL	1996	11707

ANNEXURE-5

KSSC Ltd, Bangalore

2023-24- Kharif Certified seed production programme

Sl No	Crop	Variety	Target. Area	Target Qty.
1	**2**	**3**	**4**	**5**
1	**BAJRA**			
		Dhanashakthi	70	280
			18	72
		S.T	88	352
		ICMH 1301	30	120
		S.T	30	120
		BAJRA TOTAL	**118**	**472**
2	**RAGI**			
		GPU -28	710	5680
			13	104
		S.T	**723**	**5784**
		ML -365	50	400
			40	320
			1350	10800
		S.T	**1440**	**11520**
		MR-1	188	1504
			82	656
			25	200
		S.T	**295**	**2360**
		MR-6	188	1504
			100	800
			750	6000
			163	1304

			50	400
		S.T	**1251**	**10008**
		KMR-630	14	115
		S.T	**14**	**115**
		KMR-316	38	300
			34	275
		S.T	**72**	**575**
		GPU-66	25	200
		S.T	**25**	**200**
		KMR-301	63	500
			81	650
		S.T	**144**	**1150**
		RAGI TOTAL	**3964**	**31712**
3	**HYV.PADDY**			
		JAYA	150	2400
			50	800
			32	500
			25	400
			26	416
			149	2384
			100	1600
		S.T	**532**	**8500**
		IR-64	167	2505
			44	660
			13	195
			50	750
			30	450
			30	450
		S.T	**334**	**5010**
		JYOTHI	348	6264
			400	7200
			250	4500
			6	108
			70	1260
		S.T	**1074**	**19332**
		INTAN	130	1560
			20	200
		S.T	**150**	**1760**
		ABHILASH	39.00	702
			100.00	1800
			117.00	2106
		S.T	**256.00**	**4608**
		T.HAMSA	88	1320

			30	450
			27	405
		S.T	**145**	**2175**
		BPT-5204	75	1500
			75	1500
			23	460
		S.T	**173**	**3460**
		RNR -15048	100	2000
			125	2500
			180	3600
			180	3600
			350	7000
			75	1500
			50	1000
			115	2300
		S.T	**1175**	**23500**
		MTU-1001	178	3204
			81	1458
			167	3006
			56	1008
			30	540
		S.T	**512**	**9216**
		MTU-1010	56.00	1008
			31.00	558
			97.00	1746
			55.00	990
			17.00	306
		S.T	**256.00**	**4608**
		TANU	57.00	912
		S.T	**57.00**	**912**
		MO-4	206	3708
			50	900
		S.T	256	**4608**
		MO-21	14.00	210
		S.T	**14**	**210**
		JGL-1798	17	306
		S.T	**17**	**306**
		IET-13901	15	200
			250	3250
		S.T	**265**	**3450**
		BR- 2655	93	1395
			63	945
			47	705

			27	405
		S.T	**230**	**3450**
		UMA	600	10800
			140	2520
			59	1062
		S.T	**799**	**14382**
		KMP-220	34	612
			30	540
		S.T	**64**	**1152**
		NDLR-7	64	1152
		S.T	**64**	**1152**
		BPT-2812	30	540
			32	576
		S.T	62	**1116**
		MSN-99	31	558
			31	558
		S.T	**62**	**1116**
		Sahyadri Pacnhamukhi	64	1152
		S.T	**64**	**1152**
		Sahayadri Megha	12	**216**
		S.T	12	**216**
		PADDY TOTAL	**6573**	**115391**
4	**HY MAIZE**			
		Co (H)M-8	25	200
			25	200
		S.T	**50**	**400**
		MAH-14-5	6	50
			6	50
		S.T	13	100
		MAIZE TOTAL	**63**	**500**
5	**NAVANE**			
		HMT-100-1/DHFT 109-3	13	65
			10	50
		S.T	**23**	**115**
		DHFT 109-3	70	350
			30	150
			38	190
		S.T	**138**	**690**

		NAVANE TOTAL	**161**	**805**
6	**SAME:**	DHLM 36-3	8	40
			4	20
		S.T	**12**	60
7	**B.Y. Millet**	DHBM-23-3	8	40
			4	20
		S.T	**12**	60
8	**HARAKA**	RBK-390-25	18	90
			5	25
			15	75
		S.T	38	190
9	**Proso Millet,**	**DHPM-93-2**	8	40
			4	20
		S.T	12	60
		DHPM 2769	6	30
			6	30
		Minor Millets Total	**241**	**1205**
		CEREALS TOTAL	**10959**	**149280**
10	**GREENGRAM**			
		BGS-9	384	1152
			367	1101
			417	1251
			333	999
			133	399
			117	351
			159	477
			75	225
			133	399
		S.T	**2118**	**6354**
		DGV-1	**5**	**15**
		S.T	**5**	**15**
		DGGV-2	133	399
			133	399
			117	351
		S.T	**383**	**1149**
		DGGV-7	68	**204**
			67	**201**
			33	**99**
			25	**75**
		S.T	**193**	**579**

		KKM-3	34	102
			34	102
		S.T	**68**	**204**
		GREENGRAM TOTAL	**2762**	**8286**
11	**BLACKGRAM**			
		TAU-1	192	576
		S.T	**192**	**576**
		DBGV-5	67	201
			67	201
			83	249
			167	501
		S.T	**384**	**1152**
		DU -1	25	75
			25	75
			27	81
		S.T	**77**	**231**
		T-9	167	501
			25	75
		S.T	**192**	**576**
		LBG-791	50	150
			20	60
			20	60
			35	105
		S.T	**125**	**375**
		BLACKGRAM TOTAL	**970**	**2910**
12	**REDGRAM**			
		BRG-1	138	276
			25	50
			25	50
			100	200
		S.T	**288**	**576**
		BRG-3	50	100
			75	150
			75	150
		S.T	**200**	**400**
		BRG- 5	400	800
			50	100
			25	50
			50	100
			450	900
			250	500

		S.T	**1225**	**2450**
		BSMR-736	35	175
		S.T	**35**	**175**
		TS-3R	80	400
			40	200
			250	1750
			250	1250
			300	1500
			500	2500
			345	1380
		S.T	**1765**	**8980**
		GRG -811	450	2250
			350	1750
			225	1125
			200	1000
			200	1000
			425	2125
			225	1125
		S.T	**2075**	**10375**
		GRG-152	200	1000
			80	400
			200	1000
			60	300
			150	750
		S.T	**690**	**3450**
		REDGRAM TOTAL	**6278**	**26406**
		PULSES TOTAL	**10010**	**37602**
13	**GROUND NUT**			
		K-6	1000	5000
		Lepakshi	2000	10000
		GPBD-4	100	500
		G-2-52	200	1000
		Groundnut Total	**3300**	**16500**
14	**SOYABEAN**			
		JS-335	10000	50000
			200	1000
		S.T	**10200**	**51000**
		KDS-726	100	500
			60	300

			75	375
		S.T	235	1175
		DSB-21	115	575
			25	125
		S.T	140	700
		DSB-34	50	250
			50	250
		S.T	50	250
		DSB-23	230	1150
			230	1150
		SOYABEAN TOTAL	**10855**	**54275**
		OIL SEEDS TOTAL	**14155**	**70775**
15	**GREEN MANURE SEEDS**			
		Sun hemp/ Diancha	**0**	**3500**
		S.T		**3500**
16	**HYBRID COTTON**			
		DCH-32	**0**	**50**
		S.T		**50**
		GRAND TOTAL	**35124**	**261207**

Details of Board Members of Karnataka State Seeds Corporation Limited – 2022-23

Sl. No.	Name/Designation	Post
1.	Shri B.C.Patil Hon'ble Agriculture Minister	Chairman
2.	Shri Shivayogi C Kalasad, IAS Secretary to Government, Agriculture Department	Director
3.	Smt. Manju Prasanna Pillai, IAS Secretary to Government, Finance Department (FR)	Director
4.	Shri Sharat B, IAS Commissioner for Agriculture	Director
5.	Shri K. Nagendra Prasad, IAS Director for Horticulture	Director
6.	Dr Manindar Kaur Dwivedi, IAS CMD, National Seeds Corporation Limited	Director

7.	Shri D.L. Nagaraja Grower Share Holders Representative	Director
8.	Shri S. Rajendra Prasad Grower Share Holders Representative	Director
9.	Shri S.N.Haveri Grower Share Holders Representative	Director
10.	Shri S.S.Bellada Grower Share Holders Representative	Director
11.	Dr B.K.Desai Director of Research , UAS Raichur	Director
12.	Shri Ahamed Raza.M RM, National Seeds Corporation Limited, Bengaluru	Director
13.	Shri H.S.Devaraj Managing Director, Karnataka State Seeds Corporation Limited	Director

KARNATAKA STATE SEED AND ORGANIC CERTIFICATION AGENCY, BENGALURU

(A Govt. of Karnataka Organization)

Opp. Baptist Hospital, Hebbal, Bengaluru-560024

BACKGROUND :

Karnataka State Seed Certification Agency **(KSSCA)** was established in the year 1974 under Section-8 of the Seeds Act 1966 as an autonomous body and registered under the Karnataka Societies Registration Act 1960 with the objectives of regulating the quality of seeds certified in the State. The Organization became operational in January 1975. Since there is scope for increasing the activities, a new division viz., organic certification division has been established in the year 2013 and the Organization is renamed as "Karnataka State Seed and Organic Certification Agency" (KSSOCA).

KSSOCA is offering both (a) Seed Certification & (b) Organic Certification services. Separate targets are fixed for both the divisions to undertake the programmes respectively.

Since then, the organization is providing excellent service to the Seed producers, growers and the farming community in particular. There has been an upward trend in the certification activities year after year and the area registered & the quantity of Seeds Certified has increased from **6315** ha. & **56179**qtls. in 1975 to **54813.99** ha. & **41010.42***qtls. in **2022-23 (as on 31.03.2023)** respectively. Various factors have contributed to this manifold increase like awareness amongst the farming community regarding the benefits of use of high quality seeds, encouragement by the state & central Govts. for production and distribution of high quality seeds, participation of more no. of seed producers and growers in seed production programme and also varied agro-climatic conditions and soil types prevailing in the state which are conducive to seed production of various crop varieties.

GOALS

1. To provide quality certified seeds to the farmers to increase production & productivity;
2. Increase area under seed production and increase the availability of certified seeds to the farmers, thereby increasing the seed replacement rate (SRR);
3. Reduce the percentage of failure of seeds at field, unit as well as lab level;
4. Improve the infrastructure facilities of KSSOCA for effective and timely certification activities.

OBJECTIVES:

The following are the main objectives of Seed Certification Agency:

a) Certify seeds of any notified kinds or varieties (under Section-5 of Seeds Act 1966);
b) Maintain a list of sources of Breeder & Foundation seeds approved by the Central Seed Certification Board;
c) Outline the procedure for submission of application for growing, harvesting, processing, storage, labelling and tagging of seeds intended for certification till the end, so as to ensure that seed lots finally approved for certification are true to variety;

d) Verify, upon receipt of an application for certification that variety is eligible for certification, that the seed used for planting is from approved source and the application has been submitted in accordance with the procedure prescribed for it;
e) Inspect seed fields to ensure that the minimum standards for isolation, roguing (wherever applicable), use of male sterility (wherever applicable) and similar factors are maintained at all times, as well as to ensure that those provided in the standards for certification;
f) Inspect seed processing plants to see that the admixtures of other kinds and varieties are not introduced;
g) Take sample and inspect seed lots produced as per procedure and have such samples tested to ensure that the seed conforms to the prescribed standards for certification;
h) Grant Certificates (including tags, seals etc.,) in accordance with the provisions of the Seeds Act;
i) Ensure that action at all stages of seed certification is taken expeditiously;
j) Undertake educational programmes designed to promote the use of certified seed, including a publication listing certified seed growers and sources of certified seed.

Aims and purpose of Organic Division.

1. National Programme for Organic Production (NPOP):

The National Programme for Organic Production (NPOP) proposes to provide an institutional mechanism for the implementation of National Standards for Organic Production (NSOP), through a National Accreditation Policy and Programme. The aims of the National Programme for organic production, inter alia, include the following: (a) To provide the means of evaluation of certification programmes for organic agriculture and products as per the approved criteria. (b) To accredit certification programmes (c) To facilitate certification of organic products in conformity to the National Standards for Organic Products. (d) To encourage the development of organic farming and organic processing.

KSOCA has got Accreditation for inspection and certification of organic products (Accreditation Number- NPOP/NAB/0030) Scope of Accreditation for crop production dated 16th august 2018 by National Accreditation Body under NPOP and certified by Evaluation Committee under the National Programme For Organic Production (NPOP) of the Government of India.

2. Participatory Guarantee System of India (PGS-India):

Participatory Guarantee System of India (PGS-India) is a quality assurance initiative that is locally relevant, emphasizing the participation of stakeholders, including producers and consumers and operate outside the frame of third-party certification. PGS is a process in which people in similar situations (in this case producers) assess, inspect and verify the production practices of each other and collectively declare the entire holding of the group as organic. It is for small scale farmers and relevant for local markets.

Guiding Principle

PGS India system is based on participatory approach, a shared vision, transparency and trust. In addition it gives PGS movement a National recognition and institutional structure.

KSSOCA has got authorization as one of the Regional council (RC Code-4729) approved by national executive committee (PGS-NEC) Dated 27TH April 2021 for carrying out certification for crop production, large area certification and processing & handling. At present KSSOCA carrying out certification activities at Mysuru, Tumkur, Gadag & Uttara Kannada District.

Advantage of Organic Agriculture

- Improve the soil health, increase the microbial activity in soil.
- Crops get more minerals/Nutrients.
- Maintain the ecological resources.
- Harmless Environment.
- Providing healthy food to human and animals.
- Timely guidance to Organic Farmers is available at KSOCA on Organic Certification .

In the Year 2019-20 Government of Karnataka launched Adoption of Organic Farming & Certification (AOFC) Programme. Under this Scheme KSSOCA has certified 483 ICS groups & 354 individual Operators including 26155 farmers with an area of 30074.18ha. under PGS India KSSCA is having 300 LG's including of 4505 farmers with an Area of 906.2 ha. for the year 2022-23.

Physical Progress :

During the year 2022-23, 54813.39 ha. of area was registered for Certification, and 41010.42*qtls. As on 31.03.2023 of Seeds are certified.

There are around 161 Government and Private Seed Producing firms registered in the Agency. 124 Seed Processing Units Registered in Karnataka for processing and grading of seed material produced. The Agency has been certifying seeds of over 25 Crops of 120 varieties in the State. The progress achieved in Certified area and Quantity of seed certified, samples tested in Seed Testing Laboratory and Grow-out-Test are detailed below : (as on March-2023)

(**Area in Ha.Qty in Qtls.**)

Year	Regd. Area	Qty. Certified	No. of Seed Samples Analyzed	No. of Grow-out-Test conducted
2020-21	50840.50	544337.59	20368	3026
2021-22	52256.50	556308.06	19718	2328
2022-23	54813.39	41010.42*	21142	3764

* Under progress

Financial Status :

Service Charges collected for various services rendered by the Agency are the only source of Income for the Organisation. The Income & Expenditure details for the year 2020-21 & 2021-22 are as under.

(**Rs.**)

Year	Income	Expenditure	Surplus	Deficit
2020-21	11,31,13,224.00	10,79,31,973.00	51,81,251.00	-
2021-22	10,82,87,585.00	8,89,59,646.00	1,93,27,939.00	-

KARNATAKA STATE AGRICULTURAL PRODUCE PROCESSING AND EXPORT CORPORATION LIMITED (KAPPEC)

Karnataka State Agricultural Produce Processing and Export Corporation Limited (KAPPEC) was established on 22nd April 1996 under the Companies Act, 1956. The Authorized Share Capital is Rs.500 lakhs and the Paid up Share Capital is Rs. 50 Lakhs. The Government of Karnataka has released an amount of Rs.1000 lakhs as one time grant to facilitate establishment of post harvest infrastructure facilities in the potential locations of the State.

Main Objectives:

⇒ To develop and promote the production, processing and export of agriculture, horticulture, floriculture & allied products.

⇒ To create post-harvest infrastructures to facilitate the development and export of agricultural and allied products and also to promote private sector participation in this sector.

⇒ To conduct seminars & workshops involving farmers, scientists, exporters and related stakeholders to create awareness among farmers to grow export quality produce and also the potential benefits thereon.

⇒ To act as the nodal agency of the Government to operate schemes related to infrastructure facilities or any other activity assigned by the Government from time to time.

⇒ To guide farmers, budding entrepreneurs, farmers' associations and related stakeholders about starting export business and also setting up processing units in the State.

KAPPEC has been creating post harvest infrastructure facilities like Pack house, Pre-cooling unit, Cold Storage, Refrigerated Van, Warehouses etc., in different parts of the State for the benefit of farmers and exporters. Details of Post Harvest Infrastructure facilities established / being established are as under:-

1) Cold chain facility consisting of pack house, pre cooling unit, refrigerated van at Bijapur and Kushtagi to facilitate the export and storage of Grapes, Pomegranates, Lime and other horticulture commodities such as raisins, lime, grains and pulses. The facility is in operation.
2) Integrated cold chain facility at Hubballi and Bagalkot to facilitate the export & storage of Mango, Grapes, Pomegranates and other agriculture & horticulture produce. The facility is in operation.
3) Cold storage with a total capacity of 4000 Mts. at Vijayapura for the storage of Raisins. The facility is being utilized fully.
4) 1000 Mts. capacity cold storage facility at APMC Yard, Gadag to facilitate the storage of Chilly, Green Gram and other agriculture and horticulture produce. The facility is running.

5) 6300 Mts. capacity Warehouse facility at Hubballi APMC Yard as per WDRA standards to facilitate the storage of agriculture commodities ready for use. Additional warehouse of about 2500 Mts. capacity in the same premises is also ready for use.

6) Cold chain facility at Humnabad in Bidar District to facilitate the export & storage of Grapes, Pomegranates, Lime and other horticulture produce. The project has been completed and ready for use.

7) 2780 Mts. capacity Warehouse facility at KIADB Industrial Area, Humnabad in Bidar District to facilitate the storage of agriculture commodities. The project has been completed and ready for use.

8) 5420 Mts. capacity Warehouse facility at KIADB Industrial Area, Vijayapura to facilitate the storage of agriculture commodities. The project has been completed and ready for use.

9) Establishment of 3750 Mts. capacity Warehouse facility at KIADB Industrial Area, Bagalkot as per WDRA standards to facilitate the storage of agriculture commodities. The project has been completed and ready for use.

10) Integrated Cold Chain Facility at Poojenahalli Horticulture Farm, Devanahalli near Bengaluru International Airport for the export of fresh fruits, flowers, vegetables and other horticulture produce. **Construction work is in the final stage.**

11) 2800 Mts. Multichamber Cold Storage Facility at APMC Yard, Gadag. **Construction work is in progress.**

The post harvest infrastructure facilities stated above are established / being established by availing financial assistance from Rashtriya Krishi Vikasa Yojana (RKVY), Agricultural & Processed Food Products Export Development Authority (APEDA), Assistance to States for Developing Export Infrastructure & other allied activities (ASIDE), National Horticulture Mission (NHM) and the Govt. of Karnataka and also the one time grant received from the Government of Karnataka. **The utilization of post harvest infrastructure facilities of KAPPEC by farmers / FPOs / traders / exporters / other stakeholders for the year 2022-23 is enclosed as Annexure–1.**

Apart from this, KAPPEC is the Nodal Agency for implementing the following schemes of Govt. of India & Govt. of Karnataka:-

(1) Prime Minister Formalisation of Micro Food Processing Enterprises (PMFME). **The physical & financial progress is enclosed as Annexure–2.**

(2) Cluster Development Agency for Pomegranate Cluster at Chitradurga.

(3) New scheme during 2022-23 – To set up Centre for Excellence for Export / Common Facility Centres for Post Harvest Management, Marketing and Export of Agriculture and Allied products by Farmer Producer Organisations, Co-operatives, Self Help Groups, Farmers & Entrepreneurs by KAPPEC. **The physical & financial progress is enclosed as Annexure–3.**

Annexure-1

POST HARVEST INFRASTRUCTURE FACILITIES UTILISATION BY FARMERS / FPOS / TRADERS / EXPORTERS / OTHER STAKEHOLDERS FOR THE YEAR 2022-23											
		COLD STORAGE						RIPENING CHAMBER			
Sl. No.	**Particulars**	**FARMERS**		**FPOS**		**MARKETERS / TRADERS**		**FPOs**		**TOTAL**	
		Nos.	**Qty. (Mts.)**	**Nos.**	**Qty. (Mts.)**	**Nos.**	**Qty. (Mts.)**	**Nos.**	**Qty. (Mts.)**	**Nos.**	**Qty. (Mts.)**
1	HUBBALLI	41	328.000	1	1.428	94	3953.000	1	14.680	**137**	**4297.108**
2	BAGALKOTE	22	498.786	1	8.533	16	4282.864			**39**	**4790.183**
3	VIJAYAPURA	617	2590.000			69	4186.210			**686**	**6776.210**
4	KUSHTAGI	175	1209.118			21	571.325			**196**	**1780.443**
5	GADAG	43	257.758			82	2360.187			**125**	**2617.945**
6	HUMNABAD	12	33.240	1	50.022	19	140.900			**32**	**224.162**
	T O T A L	**910**	**4916.902**	**3**	**59.983**	**301**	**15494.486**	**1**	**14.680**	**1215**	**20486.051**

Annexure - 2

PMFME Scheme Progress during 2022-23									
Sl No	District	Loan Sanctioned	Loan Disbursement	Subsidy Released			Subsidy to be released		
				60%	40%	15%	60%	40%	15%
1	Bagalkote	116	105	54	68	1	51	37	104
2	Ballari	16	15	8	13	3	7	2	12
3	Belagavi	380	339	178	256	3	161	83	336
4	Bengaluru Rural	30	29	24	27	10	5	2	19
5	Bengaluru Urban	83	68	34	47	16	34	21	52
6	Bidar	75	61	39	52	6	22	9	55
7	Chamarajanagara	7	5	3	3	0	2	2	5
8	Chikkaballapura	18	16	9	11	3	7	5	13
9	Chikkamagaluru	33	31	20	32	1	11	-1	30
10	Chitradurga	18	15	12	13	1	3	2	14
11	Dakshina Kannada	87	74	49	60	8	25	14	66
12	Davangere	33	39	28	32	11	11	7	28
13	Dharwad	88	74	45	61	4	29	13	70
14	Gadag	21	15	5	8	1	10	7	14
15	Hassan	78	76	53	64	12	23	12	64
16	Haveri	62	56	39	45	7	17	11	49
17	Kalaburagi	34	28	14	19	1	14	9	27
18	Kodagu	22	21	7	16	4	14	5	17
19	Kolar	37	32	20	22	2	12	10	30
20	Koppal	26	20	8	11	0	12	9	20

21	Mandya	92	103	74	87	23	29	16	80
22	Mysuru	20	17	9	11	1	8	6	16
23	Raichur	34	28	14	19	0	14	9	28
24	Ramanagara	25	24	16	19	4	8	5	20
25	Shivamogga	101	93	61	85	11	32	8	82
26	Tumakuru	74	58	30	41	11	28	17	47
27	Udupi	63	56	33	38	10	23	18	46
28	Uttara Kannada	49	44	25	35	7	19	9	37
29	Vijayanagara	28	24	6	14	0	18	10	24
30	Vijayapura	61	57	45	48	10	12	9	47
31	Yadgir	23	20	17	19	2	3	1	18
	Grand Total	**1834**	**1643**	**979**	**1276**	**173**	**664**	**367**	**1470**

Annexure – 3

New scheme during 2022-23 – To set up Centre for Excellence for Export / Common Facility Centres for Post Harvest Management, Marketing and Export of Agriculture and Allied products by Farmer Producer Organisations, Co-operatives, Self Help Groups, Farmers & Entrepreneurs by KAPPEC

Sl. No.	Particulars	Physical Progress	Financial Progress (Rs. Lakhs)
1	**Agri Export Training Programmes** In association with VTPC arranged agri export training programmes at Bengaluru-2, Dharwad-1 & Mangaluru-1. Trained Beneficiaries – 185 Nos. GAP Training for Agri Department Officers – 30 Nos.	215 beneficiaries	11.58
2	**Participation in National & International Trade Fairs** Anu Food India, Mumbai, 2022 Agro Food & Beverage Pro, Goa 2022 Invest Karnataka Global Investors Meet 2022, Bengaluru	50 beneficiaries	20.29
3	**Establishment of Agri Export Cell at KAPPEC** 3 Consultants & 2 Data Analysts through IIPM, Bengaluru	05 consultants	139.00
4	**Digital Marketing Platform for marketing of produces of FPOs** (Online Trade cum Auction dedicated Portal) – through ReMs	Around 200 FPOs to be benefitted	117.00
5	**Producers & Exporters / Marketers Conclave** FPOs & Exporters / Markets Mega Meet at GKVK, Bengaluru – 1850 FPO representatives & 150 Exporters under the Chairmanship of Hon'ble Agriculture Minister FPOs & Mandi Traders at Azadpur Mandi, New Delhi	2000 FPOs 10 FPOs	12.89

6	**FPOs & Exporters Conclave in association with KCCI at Hubballi, Kalaburagi & Mysore Districts** FPOs, Buyers, Exporters, Processors – Each conclave around 200 participants	600 beneficiaries	8.50
7	**Mango Buyers Sellers Meet – 2022 & 2023** Jointly organised in association with Mango Board & NABARD. Progressive Mango Growers, FPOs, Buyers, Exporters, Startups, Department Officials participated in the Meet	200 (2022) 250 (2023)	23.00
8	Preparation of Project Report, Survey & Study for Setting up of Food Processing Units in the State	3 projects	6.50
9	**Reverse Buyer Seller Meet in association with FIEO, Ministry of Industries & Commerce, Govt. of India at New Delhi** 5 organisations from the State participated in B2B Meet	05 organisations	3.26
10	**Other promotion programmes** Study Tour to APEDA recognised Pack Houses situated at Mumbai and Branding & Market development promotion		1.50
11	Seminar / Workshop / Training / Awareness Programmes related to Food Processing – sponsorship and expenditure towards Officers participation	05 programmes	12.17
12	Trial run of processing lines at Integrated Cold Chain Facility, Poojenahalli – Purchase of Mango & Other Vegetables		4.00
13	Administrative Expenses		10.00
		T O T A L	**370.00**

Karnataka State Pulses Abhivridhi Mandali Limited., Kalaburagi.

(Formerly known as Karnataka Togari Abhivridhi Mandali Ltd.,)

Annual Report for the year 2022-23

ESTABLISHMENT:

The Karnataka State Pulses Abhivridhi Mandali Limited., Kalaburagi (Karnataka Togari Abhivridhi Mandali Limited) is established under Companies Act, vide Government Order No. AHD 399 MS 99 Bangalore Dated: 15.03.2002.

Karnataka Togari Abhivridhi Mandali, since its inception was functioning (for about 14 years) focusing only on tur crop. Based on the request of Kalaburagi Pulse Growers' Associations, Progressive farmers and other dignitaries, the scope and work areas of Mandali was expanded to all pulses and the name of the Karnataka Togari Abhivridhi Mandali Ltd., was changed to **"Karnataka State Pulses Abhivridhi Mandali Ltd., Kalaburagi",**vide Government order no:ಕೃಇ 04 ಕೃಕೈಉ 2014, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:11-03-2020 with effect from 14.11.2018 retrospectively. Hitherto the jurisdiction of Karnataka State Pulses Abhivridhi Mandali covered only six districts of Kalaburagi Division, this was increased to cover the six districts of Belagavi Division consisting of Belagavi, Dharwad, Gadag, Haveri, Vijayapur, Bagalkot and North Kannada District.The details of the achievements and activities of the Karnataka State Pulses Abhivridhi Mandali Ltd.,since its inception till date are as follows.

BUDGET:

The Government of Karnataka had released Rs. 5.00 crores as share amount during 2002.

OBJECTIVES:

1. Encourage the farmers to grow, different varieties of tur and other pulses. Further procure, stock and market these pulses and their products.
2. To facilitate in increasing the production, productivity of tur and other pulses by conducting seasonal trainings at field, taluka and district level, involving farmers and scientists.
3. To promote research activities conducted by the Agriculture Universities, National research centres, companies and assist farmers to adopt available appropriate technology.
4. To act as an agent of Govt. of Karnataka in the procurement of tur and other pulses of crops.

ACTIVITIES:

1. Conducting trainings to farmers.
2. Dissemination of new research technologies to the farmers.

3. Coordination of Seed Production programmes.
4. Purchase of tur and other pulses directly from the farmers under Minimum Support Price Scheme.

STRUCTURE OF THE BOARD:

As per Articles of Association under Article 13 there is a provision to induct a maximum of 17 Board of Directors of this organization comprising Official Directors (12), Non Official Directors - (5). The present structure is as under:

Sl. No.	Designation	Name	Remarks	
1.	Chairman Karnataka State Pulses Abhivridhi Mandali Ltd. Kalaburagi	Sri. Linga Reddy G. Basareddy	Chairman of KSPAML Kalaburagi	01-04-2022 to 12-07-2022
		Sri. Vidyasagar A. Shahabadi		28-10-2022 to 31-03-2023
2.	Agriculture Commissioner Bangalore	Sri. Brijesh Kumar Dixit I.F.S	Director	01-04-2022 to 31-05-2022
		Sri. Sharath B. I.A.S		31-05-2022 to 31-03-2023
3.	Deputy Commissioner Kalaburagi	Sri. Yeshwanth V. Gurukar I.A.S	Director	01-04-2022 to 31-03-2023
4.	Managing Director Karnataka State Pulses Abhivridhi Mandali Ltd., Kalaburagi	Sri. Anthony Maria Emannuel M.	Managing Director	01-04-2022 to 31-03-2023
5.	Joint Director of Agriculture, Kalaburagi	Sri. Ratendranath Sugur	Director	01-04-2022 to 30-07-2023
		Sri. Samad Patel		30-07-2022 to 31-03-2023
6.	Associate Director of Research, ARS Kalaburagi	Dr. M.M. Dhanoji	Director	01-04-2022 to 31-05-2022
		Dr. Bapugouda M. Dodamani		31-05-2022 to 31-03-2023
7.	Regional Manager, NABARD Kalaburagi	Sri. Ramesh Bhatt	Director	01-04-2022 to 31-03-2023
8.	Chief Manager - Lead Bank (SBI) Kalaburagi	Sri. Mallikarjun Mudgundu	Director	01-04-2022 to 06-06-2022
		Sri. Sadashiv V. Ratrikar		06-06-2022 to 31-03-2023

Sl. No.	Designation	Name	Remarks	
9.	Divisional/Asst. General Manager, KSCMF Kalaburagi	Sri. Sunilkumar	Director	01-04-2022 to 30-05-2022
		Smt. Shruti Sajjan		30-05-2022 to 31-03-2023
10.	Secretary, APMC Kalaburagi	Smt. Shailaja	Director	01-04-2022 to 22-02-2023
		Sri. Allabaskha Bijapur		22-02-2023 to 31-03-2023
11.	Non- Official Member	Sri. Praveen Tegnoor	Director	01-04-2022 to 31-03-2023
12.	Non- Official Member	Sri. Pradeep Kadadi	Director	01-04-2022 to 31-03-2023
13.	Non- Official Member	Sri. Rajashekhar Gounalli	Director	01-04-2022 to 31-03-2023

PERSONNEL - Working strength:

Name of the Post	Present status
Managing Director	Sri. Anthony Maria Emannuel M. From:11-08-2021 to date (Additional Director of Agriculture)
Marketing Officer / Agriculture officer	M.Sc. Agri. Degree Holder has been taken temporarily on Contract Basis, paying consolidated salary.
Administrative Officer	Retired Administrative officer from Agriculture department has been taken by paying consolidated salary on temporary basis.
Superintendent/ Accountant	MBA (Finance & HR) graduate having a computer with Tally system experience, has been taken on outsource salary on temporary basis.
Second Div. Asst.	Sri. Shivasharanappa a candidate appointed on compassionate grounds as SDA from Department of Agriculture and deputed to the Tur board Kalaburagi on deputation basis.
Computer Operator	One Person having knowledge of computer have been taken on consolidated salary on outsource basis.
Driver	One person is working on outsource basis on consolidated salary.
Group-D	One person is working on outsource basis on consolidated salary.
The above personnel's are working under outsource basis and above same are approved in the Board Meetings of the Mandali.	

MARKET INTERVENTION PROGRAMME:

The Karnataka Togari Abhivridhi Mandali was established to protect the interest of pulses growing farmers of Karnataka in general and tur growing farmers in particular. Under market intervention programme, the Mandali does direct purchase of tur from farmers to stabilize

the market price of the produce. Depending on the financial assistance extended to the Mandali, hitherto the market intervention operations are being done only in Kalaburagi, Bidar and Yadgiri districts.

The market rate of the tur during the year 2014-15 was above the MSP hence no procurement of tur was made during year 2014-15. Accordingly, procurement of tur made during 2013-14 was2,51,012qtlsand the same was sold during 2014-15 at competitive prices and an amount of Rs.127crorereleasedbyMarketing Board as revolving fundhas already been refunded from 2002-03 to 2014-15.

During the years 2014-15 & 2015-16 the market prices of tur were above the MSP hence no procurement was undertaken.

Procurement details from 2002-03 is as under:

Year	Releases	Quantity in qtls.	Cost of Tur (Loose value)(Rs.)
2002-03	50000000*	667.000	1043376.00
2004-05	150000000***	57489.690	103737640.00
2005-06	0	67685.340	114976746.20
2006-07	28500000**	0.000	0.00
2007-08	0	60.000	133004.00
2008-09	30000000***	0.000	0.00
2009-10	0	9745.000	40165311.00
2010-11	0	9248.000	37210540.00
2011-12	220000000****	55115.400	220461600.00
2012-13	250000000***	53484.000	240678000.00
2013-14	1370000000****	251012.000	1255060000.00
2014-15	0	0.000	0.00
2015-16	0	0.000	0.00
2016-17	Central RS. 185,61,55,275.00 MSP @ Rs.5050 State Rs.16,53,99,975.00 Incentive @ Rs.450	367555.50	2021555250.00
2017-18	Central @ 5450 &State 550 = Rs. 6000/- qtl. Rs. 173,46,15,000.00	289102.50	173,46,15,000.00
2018-19	Central @ 5675& State 425 = Rs. 6100/- qtl. Rs. 68,13,63,900.00	111699.00	68,13,63,900.00
2019-20	Central @ 5800 & State 300 = Rs. 6100/- qtl. Rs. 192,64,53,200.00	315812.00	192,64,53,200.00
2020-21	MSP rate fixed by Central Government @ 6000/-per Qtl. State Government has not at announced incentive	The market rate was higher than the MSP rate Declared by the Government of India. Hence the Procurement of Tur Could not be under taken.	
2021-22	MSP rate fixed by Central	As per the Government order dated:08.12.2021	

Year	Releases	Quantity in qtls.	Cost of Tur (Loose value)(Rs.)
	Government @ 6300/-per Qtl. State Government has not at announced incentive	The deputy Commissioner and Chairman of the Task Force Committee has selected 60 Procurement Centres in Kalaburagi District and 10 Procurement centres in Yadgiri District. All necessary arrangements were made to procure the tur directly from the farmers.	
2022-23	MSP rate fixed by Central Government @ 6600/-per Qtl. State Government has not at announced incentive	The market rate was higher than the MSP rate Declared by the Government of India. Hence the Procurement of Tur Could not be under taken.	

* Released as share capital money.

** Released by Government for procurement operations.

*** Released from Revolving Fund for procurement operations.

**** Released from Revolving Fund as loan for procurement operations.

Procurement of tur during 2016-17 under Buffer Stock programme(P.S.F.):

During 2016-17 Govt. of India had accorded sanction under PSF for purchase of FAQ tur by fixing a minimum support price of Rs. 5050/- per quintaland on the same line Govt. of Karnataka had also announced an incentive of Rs. 450/- per quintal for the farmers. Accordingly Karnataka Togari Abhivridhi Mandali had actively participated in procurement of tur in Kalaburagi Dist. on behalf of the National Agriculture Co-operative Marketing Federation of India LTD., (NAFED). The Mandali had procured 368251 quintals of tur directly from farmers in different places(village, hobli, taluka, as well as district levels) and deposited in the Central/State warehouse as per their directions of NAFED, thereby helping the needy farmers. The payment of Rs.2025380500.00had been made to the farmers through RTGS.

From this procurement activity the board had earned Rs. 12773707/- as commission at the rate of 0.75%, as fixed by the NAFED and out of this, the board has also paid commission at Rs. 0.324% to the sub agencies i.e., Primary Agriculture Co-operative Societies. This tur procurement programme has been carried out sincerely, efficiently, and successfully without any hindrance.

Procurement of tur during 2017-18 under PSS:

During 2017-18 Govt. of India has accorded sanction under PSS for purchase of FAQ Tur by fixing minimum support price of Rs. 5450/- per quintal vide govt. order dated 21-12-2017on the same lines, Govt. of Karnataka had also announced for payment of incentive to farmers at Rs. 550/- per quintal for the farmers. Accordingly the Mandali had actively participated in procurement of tur from Kalaburagi and Yadgiri districts on behalf of National Agriculture Co-operative Marketing Federation of India LTD., (NAFED).

As per the direction and guidance of the Deputy Commissioner and Chairman of District Taskforce committee of Kalaburagi,24 tur procurement centres were established in Kalaburagi district and tur procurement was carried out through Primary Agriculture Co-operative

Societiesas per the directions of NAFED. Registration of farmers commenced from 1-1-2018 and ended on 14-01-2018, accordingly tur procurement started from 15-1-2018 and ended on 28-03-2018.In Kalaburagi district a total of 246895.50qtls of tur worth Rs. 1481373000/- was procured by making online payments to the farmers.

On the same lines, in Yadgiri district also 42207qtls. of tur was procured from the farmers directly and online payments were made to the tune of Rs. 253242000/.In this way Karnataka Togari Abhivridhi Mandali has carried out the tur procurement activities on behalf of the NAFED.

Procurement of tur during 2018-19 under PSS of FAQ tur. :

During 2018-19, Government of India had accorded sanction under PSS for purchase of FAQ tur by fixing a minimum support of rupees 5675/- per quintal, vide Government order dated 22-12-2018, on the same line government of Karnataka had also announced for payment of incentives to farmers at the rate of 425/- per quintal in the interest of the farmers as a whole. Accordingly the Mandali had actively participated in the procurement of tur in Kalaburagias well as Yadgiri Districts on behalf of the National Agriculture Co-operative Marketing Federation of India LTD., (NAFED)and Food Corporation of India (FCI) respectively. As per the directions and guidance of the Deputy Commissioner and Chairman of the District taskforce committee 22and 3 tur procurement centres were started at Kalaburagi and Yadgiri districts respectively and tur procurement was done through Primary Agriculture Co-operative Societies. As per the directions of NAFED, the registration of farmers commenced from 1-1-2019 and ended on 10-04-2019. Accordingly tur procurement started from 16-01-2019.Turwas procured directly from 18788 farmers of Kalaburagi and 1298 farmers of Yadgiri districts.In Kalaburagi105855qtls. and in Yadgiri District 5843.50 qtls. of tur was procured. In all the board had procured a total of 111698.5qtls of tur and made payment to an extent of Rs. 681360850.00 to the farmers and the stock were deposited in the Central/ State Warehouses as per the directions of NAFED.

Procurement of tur during 2019-20 under PSS/PSF of FAQ Tur:

During 2019-20 Government of India had accorded sanction under PSS/PSF for purchase FAQ tur by fixing a minimum support of rupees 5800/- per qtl vide Government order 21-12-2019, on the same line government of Karnataka has also announced for payment of incentive to farmers at the Rate 300/- per qtl. in the interest of the farmers as a whole. Accordingly Karnataka State Pulses Abhivridhi Mandali Ltd., had actively participated for procurement of tur in Kalaburagi as well as Yadgiri Districts on behalf of the National Agriculture Co-operative Marketing Federation of India LTD., (NAFED). As per the directions and guidance of the Deputy Commissioner and Chairman of District taskforce committee ofKalaburagi and Yadgiri, in Kalaburagi District 39 tur procurement centres and in Yadgiri 3 tur procurement centres were established. Tur procurement was done through Primary Agriculture Co-operative Societies. As per direction of NAFED the registration of farmers commenced from 1-1-2020 and ended on 25-02-2020. Thereafter due to effects of Covid-19, tur procurement was further extended to 30-06-2020. Accordingly tur procurement started from last week of January 2020 in 39 tur procurement centres of Kalaburagi district and 3 procurement centres of Yadgiri district. Tur was procured directly from29504 farmers of Kalaburagi district and 874 farmers of Yadgiri district respectively. In Kalaburagi, 307091qtls and in Yadgiri District 8721qtls of tur totalling to

315812 qtls of tur was procured and payment was made to the farmers to extent of Rs.1926453200.00through Aadhar linked DBT Portal. The stocks were deposited in the Central/ State Warehouses as per the directions of NAFED.

Procurement of tur during 2020-21 under PSS/PSF of FAQ Tur:

The Government of India, under PSF (Price Support Scheme) fixed the procurement of FAQ tur during 2020-21 under MSP at Rs.6000/-per quintal. The Karnataka Government in its order no:ಸಇ 589 ಎಂಆರ್ಇ 2020/E.D ಬೆಂಗಳೂರು, ದಿನಾಂಕ: 11.12.2020has accorded sanction for procurement of tur. Accordingly Deputy Commissioner and Chairman of the District Task Force Committee Kalaburagi and Yadagiri had selected from among the PACS/FPO and allotted48 Centres in Kalaburagi District and 10 procurement centres at Yadgiri District. Yet the Board could not undertake procurement because the market rate of tur was higher than the MSP.

Procurement ofturduring 2021-22 Under PSS/PSF of FAQ Tur:

The Government of India, under PSF (Price Support Scheme) fixed the procurement of FAQ tur during 2021-22 under MSP at Rs.6300/-per quintal. The Karnataka Government in its order no:ಸಇ 285 ಎಂಆರ್ಇ 2021/ಇ.ಆಬೆಂಗಳೂರು, ದಿನಾಂಕ:08.12.2021ರ had accorded sanction for procurement of tur to the extent of 250000MT. Accordingly Deputy Commissioner and Chairman of the District Task Force Committee, Kalaburagi and Yadagiri had selected from among the PACS/FPO and allocated 60 Centres in Kalaburagi District and 10 procurement centres at Yadgiri District.

All arrangements were made in accordance with the government orders and guidelines, yet the Board could not undertake procurement because of the prevalence of higher market rate than the MSP.

Along with this, the board has undertaken the following programs during the years 2021-22 and 2022-23.

1. During 2021-22, the Mandali intended to brand and market the GI tur grown in this region. For this purpose tur would be procured from farmers and FPOs who have registered under GI in Karburagi and Yadagiri districts, processed and will be marketed under the brand name "BHIMA PULSES". During the year 2022-23 a proposal for sanction of Rs.10.00Crore was submitted to the Government to include in state budget for this activity. Accordingly the Hon'ble Chief Minister of Karnataka in his budget speech (para 29) was kind enough to announce that the GI tur grown in Kalaburagi and Yadgiri Districts which is of excellent quality, owing to the regions unique soil and climatic conditions will be branded and marketed under the brand name of **"BHIMA PULSES"** for which a sum of Rs.2.00crore was also released.On 17th September 2022, the Honourable Chief Minister, Government of Karnataka officially launched the GI tur dal under thebrand name of "BHIMA PULSES" on the occasion of the Celebration of Kalyan Karnataka Amrita Mahotsava.

2. During the year 2021-22 the board hadalso submitted a detail proposal for Rs.6.00crore(90:10::Center:State) to the Agricultural and Processed Food Products Export Development Authority (APEDA), for setting up a unit for the production, processing and value addition of pulses under the FINANCIAL ASSISTANCE SCHEME (FAS). Out of which, APEDA sanctioned an amount of Rs.4.44 crores for the

machineries and released a sum of Rs.1.77crore as 1st instalment. And during 2022-23, the state government released Rs.44.40 lakh as matching share(10%) for setting up a unit for production, processing and value addition of pulses. Further Kalyan Karnataka Regional Development Board, Kalaburagi has sanctioned Rs.289.939lakhs under civil works for construction of Pulses Processing Unit, Block A & B and has entrusted the work to PWD, Kalaburagi. On 26-03-2023 the foundation stone was laid by the Chairman of the Kalyan Karnataka Regional Development Board for the construction of the said unit.

3. During the year 2021-22 the Mandali, submitted a proposal for Rs.3.80crores (50:50::Center:State) under PMFME Scheme of Ministry of Food Processing Industries (MOFPI) for branding and marketing of pulses and pulse products. Out of which MOFPI sanctionedRs.2.45crore and released Rs. 66.00 lakhs as 1stinstalment during 2022-23. The State government under the Pradhan Mantri Micro Food Processing and Regulation (PMFME) vide Government of Karnataka Order No: ಕೃಇ 71 ಕೃರಾಗೊ 2022, ಬೆಂಗಳೂರು, Dated:27-10-2022 released a total grant of Rs.1.23crore(50%) for the entire project as matching share for Branding and Marketing.

4. During the year 2022-23, To strengthen the Karnataka State Pulses Abhivridhi Mandali, under the RKVY scheme a proposal for Rs.15.00crore grant to set up a centre of excellence for pulses i.e. to set up, a farmers training centre so as to provide various levels of trainings on productivity improvement, branding and marketing of pulses, a pulses processing and value addition unitfor encouraging production of export quality pulses products and a warehouse with an intention to increase the production of pulses through new technologies and to double the income of the farmers. For which on 27-06-2022, Government of Karnataka, in the 24th State Level Sanctioning Committee (SLSC) on Rastriya Krishi Vikas Yojana (RKVY-RAFTAAR) under the chairmanship the Chief Secretary, Government of Karnataka accorded sanction for Rs.10.00crore and forwarded the proposal to GOI for their comments. The comments are yet awaited.

5. In anticipation of the approval of the project, by the Central Government, the Karnataka State Pulses Abhivridhi Mandali had decided to goahead with the construction of farmers training centre and hostel building within the available budget of the board to extent of Rs.136.50lakhs. Construction of the said building was entrusted to the KRIDL,a Government agency. The KRIDL, Kalaburagi has completed the construction of the ground floor of the building and said building was also inaugurated on 26-03-2023 by the chairman, APEDA, GOI and Kalyan Karnataka Regional Development Board.

6. During the year 2021-22, Mandali, has also prepared a report “POLICY FOR PULSE DEVELOPMENT IN KARNATAKA” in which a proposal for providing a grant of Rs.150.00crore has been submitted to the government mainly with an intention to provide at least 1kg of dal through the Public Distribution system to the poorest of the poor through the Board, which is under review by the government.

7. The Government of India, under PSS, Fixed the Procurement of FAQ Bengal Gram during 2022-23 under MSP at Rs.5335/-per quintal. The Karnataka Government in its order no.ಸಇ14 ಎಂಆರ್‌ಇ 2023/ಇ.ಆಬೆಂಗಳೂರು, Dated:15.02.2023, has accorded sanction for procurement of Bengal gram. Accordingly Deputy Commissioner and Chairman of the District Task Force Committee, has allocated 34 centres in Kalaburagi District. The Board has already been taken steps for procurement of Bengal gram.

Other Activities:

- Trainings were conducted during 2005-06 (27), 2006-07 (13), 2007-08 (41) and 2008-09 (Field demonstration in 13000 ha).
- During 2003-04 initiated research oriented work with UAS Scientists.
- During 2007-08 and 2008-09 Seed Production programme was done.
- Due to Scarcity of funds and non-availability of man power in the Mandali these programmes could not be continued.

Benefits to Farmers:

1. Due to implementation of one of the prime objective i.e. 'Market Intervention' the market price of tur improved at each instance, and as a result, the farmers were able to get considerable increase in the market price to the tur grown by them.
2. By imparting training to the farmers they have been benefited with new techniques of farming.
3. During 2008-09, the Mandali conducted demonstrations under selected villages. This operation had increased yield of tur by 2-3 qtls per acre. The participants were able to get considerable benefit out of demonstrations.
4. Under publication programme, the Mandali got printed and made available to the farmers. Improved Agricultural methods, in tur cultivation, major insectpests and their control measures, seed production technology and low cost yield technologies in growing tur.
5. Payments have been made directly to the farmers Bank accounts(through RTGS during 2016-17,online payments were made through NeML Portal during 2017-18,Aadhar Enabled Payment System (AEPS) during 2018-19 and through Aadhar linked DBT portal during 2019-20) have helped farmers in distress during price falls and exploitation by middle men.

Managing Director
Karnataka State Pulses Abhivridhi Mandali Ltd.,
Kalaburagi

Food Karnataka Limited

In order to implement the scheme of establishing food parks in the State by utilizing the funds from Government of India and the State Government, "Food Karnataka Limited " (FKL) was incorporated under the Companies Act, 1956 on 29.4.2003 as a "Special Purpose Vehicle" for development of Food Parks.

I. Status of Implementation of Food parks:

Food Karnataka Ltd., has been nominated as the nodal agency to assist in the implementation at the following Food Parks in the State.

1. **M/s. Innova Agri Bio Tech Park Limited, Malur:** This Food Park has been developed in an area of 87 acres of land in KIADB Industrial Area Malur, Kolar District. To compliment the activities in addition to the food processing, a gamma irradiation facility has been installed and accredited from USFDA. 50.48 acres in the park has been allotted to 22 food processing units. An amount of Rs. 400 lakhs each (Total Rs. 800 Lakhs) has been released by the State and Central Governments. Totally 14 food processing units are currently functioning in the park. Mangoes are being exported to USA and Australia by utilizing the Gamma Irradiation facility. Other Common Facilities include Cold Storage ,Packhouse, Dry Warehouse, Sorting & Grading Lines, Ripening Chambers,Hot Water Treatment Facility & Food Testing Labarotary.

2. **M/s. Green Food Park Limited, Bagalkote:** This Food Park is being developed in an area of 100 acres of land at Navnagar KIADB Industrial Area, Bagalkote. 52.5 acres of land allotted for 18 food processing units/ companies. An amount of Rs.700 lakhs (State: Rs. 400 lakhs and Central: Rs.300 lakhs) has been released. Totally 06 food processing units are currently functioning in the park. Common Facilities like Cold Storage , Dry Warehouse, Washing & Grading Machines & Weighbridge are available in the Food Park.
3. **M/s. Akshaya Food Park Limited, Hiriyur:** The Food Park has been developed in an area of 106 acres and 37 guntas of land at Huchavanahally village, Hiriyur Taluk, Chitradurga District. An amount of Rs.400 lakhs un secured loan has been disbursed by State and a grant of Rs.400.00 lakhs from Central Government. Totally 08 food processing units are currently functioning in the park. Facilities like Cold Storage , Dry Warehouse, Grading & Packing Lines, Pomegranate Processing unit, Patchouli Oil Extraction Unit , Weighbridge ,Business Incubation Centre , Quality Assurance & Product Development lab are available in the Food Park.

4. **M/s. Jewargi Agro Food Park Limited, Jewargi:** This Food Park is being developed in an area of 105 acres of land. An amount of Rs.796 lakhs (State: Rs. 400 lakhs and Central: Rs.396 lakhs) has been released. Totally 07 food processing units are currently functioning in the park. . Common Facilities like Cold Storage , Dry Warehouse,

Washing & Grading Machines, Testing Laboratory & Weighbridge are available in the Food Park.

II. Food Parks under the State Scheme: As per 2021-22 Budget announcement, it is proposed to Set up of a new food Park under Atma Nirbhar Bharat in Vijayapura district. Budget of Rs.5.00 crores was allocated. In this regard a grant of Rs.4.21 crore has been released and the land development and compound wall construction work is in progress and it is likely to be completed by the end of April 2023.

As per the Budget announcement 2022-23 "Mini Food Parks" will be established through Public Private Partnership in phases in all the districts of the State to augment income of farmers by encouraging value addition, strengthening supply chain and preventing pilferage of Agricultural/ Horticultural produce.

Government has released a grant of Rs.5.00 crores under the Mini Food Park scheme. In the first phase, this grant will be utilised to develop the 25 acres of land at Ittangihal food park in Vijayapura with the help of KIADB out of the 75 acres land owned by the organization and construct an industrial layout with basic facilities utilizing this grants and allot the said plots to the food processing entrepreneurs on lease cum sale basis. In the second phase common facilities like warehouse, cold storage, primary processing and other facilities required for the food park will be developed from the income generated from the sale of the industrial plots of the said layout. This decision was taken in the board meeting of the organization and Government has also approved the same. Accordingly, KIADB has been requested to undertake preliminary works for construction of industrial plots at Ittangihala, Vijayapur.

A. ANNUAL REPORT: 2022-23

Salient Achievements:

- UAS, Bangalore implemented the reservation of fifty per cent of the Undergraduate seats under agricultural quota for farmer's children w.e.f. the academic year 2021-22
- Finishing School Concept has been implemented for final year Undergraduate students in Agriculture w.e.f. academic year 2022-23
- The intake for UG and PG seats has been enhanced by ten per cent w.e.f. academic year 2022-23
- Decentralized digital evaluation of answer booklets of UG students at anytime from anywhere (24x7), which is saving time and resources of the University
- UAS, Bangalore has obtained overall Accreditation Score of 3.261 which is equivalent to Grade 'A' for all constituent colleges, UG, PG and Doctoral degree programmes, that is valid for a period of five years from March, 2022
- The modalities for the implementation of NEP-2020 at UAS, Bangalore have been initiated
- UAS, Bangalore has achieved third rank among South Indian Agricultural Universities and first rank among SAUs in Karnataka state during 2022
- AICRP on Small Millets, GKVK, Bengaluru received Best performing AICRP Centre Award for overall performance during the period 2021-22
- AICRP on Forage crops and Utilization, VC Farm, Mandya received Certificate of appreciation for contribution towards development of technology 'Top feed based cropping system' identified during 2021
- Forage garden established at Mandya centre bagged first rank from ICAR-IGFRI, Jhansi during National group meeting Rabi-2022 held on 26th September, 2022 among all AICRP on Forage crops at National level
- AICRP on Honeybees and Pollinators, UAS, Bangalore was bestowed with best TSP Centre award-first place for outstanding extension, carried out under Tribal Sub Plan during 2021-22
- Dr. Basavegowda, Registrar, UAS, Bangalore has been honoured with Harith Ratna Award during International Conference on Advances in Agriculture and Food Systems towards Sustainable Development Goals (AAFS 2022) held at UAS, Bangalore during 22nd to 24th August, 2022
- Dr. Basavegowda, Registrar, UAS, Bangalore has been honoured with "Registrar of the year 2022" awarded by 2nd Higher Education Innovation & Technology Summit at New Delhi on 27.08.2022
- UAS, Bangalore organized 21st All India Agricultural Universities Youth Festival from 13-17 March, 2023 at UAS, GKVK, Bengaluru
- AICRP on Post-Harvest Engineering and Technology was bestowed with Best Centre of the Year 2022-23 award (Third position) by ICAR-Central Institute of post harvest engineering and technology, Ludhiana in 38th, Annual workshop of AICRP on PHET held at ICAR-CPCRI, Kasargod during 20-22, February, 2023 in recognition of outstanding contribution in development of Technologies in Post-harvest Engineering and Technology.

I. TEACHING

University of Agricultural Sciences, Bangalore (UAS-B) has five teaching campuses at Bengaluru, Chintamani, Hassan, Mandya and Chamarajanagara. UAS-B offers 07 Bachelor's Degree Programmes in Agriculture and allied fields at all campuses. Master's Degree in 24 disciplines, Doctoral Degree in 17 disciplines and Post-Doctoral programmes in selected disciplines are offered at GKVK campus. Master's degree is offered in 05 disciplines and Doctoral Degree in three disciplines at College of Agriculture, Mandya and also new Master's degree programmes started in College of Agriculture, Hassan and College of Sericulture, Chintamani in three disciplines each. The University also offers Diploma courses *viz.*, Diploma in Agriculture (2 years) at College of Agriculture, Mandya and Diploma in Sericulture (2 years) at College of Sericulture, Chintamani. Diploma in Baking Technology (One Year) and Certificate courses of different durations on regular basis. Diploma and certificate courses on distance education mode is offered in Agricultural Extension Management (PGDAEM) and Apiculture, Postgraduate Diploma in Agriculture (PGDA), Integrated Farming System (IFS) course, Post-Harvest Management of Fruits and Vegetables (PHMFV) course, Organic Farming (OF) course and Diploma in Agriculture (DIA). UAS-B like all other Farm Universities in the state has also opted to admit the UG students through Common Entrance Test (CET) conducted by the Karnataka Examination Authority for various Undergraduate Programmes and PG/Doctoral students through National Testing Agency scores. Following are some of the significant achievements in teaching;

- Dr. Nataraja Karaba, Professor, Department of Crop Physiology, College of Agriculture, GKVK, Bengaluru was elected as Fellow of the Karnataka Science and Technology Academy
- Dr. S. Chandrashekhar, Professor, Department of Sericulture CoA, GKVK, Bengaluru has been nominated as an expert for Secondary Agriculture Unit Committee, Department of Sericulture, Govt. of Karnataka from 22-02-2022
- Dr. Manjunath Gowda, Professor and Head, Department of Sericulture CoA, GKVK, Bengaluru is serving as a member of Board of Studies in Sericulture (PG) of University of Mysore, since 2020
- University of Agricultural Sciences Bangalore organized the International Conference on Advances in Agriculture and Food Systems towards Sustainable Development Goals (AAFS 2022) jointly with All India Agricultural Students Association New Delhi and Indian Council of Agricultural Research New Delhi from 22-24 August, 2022 at University of Agricultural Sciences, GKVK, Bengaluru
- Department of Apiculture, College of Agriculture, UAS, GKVK, Bengaluru has initiated the establishment of Nuclear Magnetic Resonance Honey Testing Laboratory at UAS, GKVK, Bengaluru with the financial support of Visveswaraya Trade Promotion Centre, Department of Industries and Commerce, GoK

Admissions during the Academic Year 2022-23 (up to March 2023):

During 2022-23, 880 Candidates were admitted to Bachelor's Degree Programmes of which 92 were ICAR students and 30 were NRI students. 344 candidates were admitted to Master's Degree Programmes of which 60 were ICAR/JNU and 15 are NRI students. For the Doctoral Degree Programmes, 114 candidates were admitted including 16 from ICAR/DBT. For the two year Diploma

(Agriculture) course offered at College of Agriculture, Mandya, 49 candidates were admitted while, 13 candidates were admitted to two year Diploma (Sericulture) course offered at College of Sericulture, Chintamani.

Scholarships and Degrees: The process of notification for different scholarships is done and the finalization is under process. The Convocation of 2021-22 is scheduled during last week of May / First week of June 2023.

II RESEARCH

1. Patents: Three Patents have been granted to UAS, Bangalore

Title of invention	*Patent no.*	*Date of grant*
A process for the preparation of tomato (*Solanum lycopersicum*) bread and tomato bread thereof	Indian patent 396430	9.5.2022
Sub-baric storage system	Indian patent 401836	22.7.2022
Rapid and accurate point-of-care lamp colorimetric based diagnostic dipstick	Indian patent 401825	22.7.2022

2. Varieties/ technologies developed and commercialized:

Varieties/ technologies developed: Nine varieties were recommended and approved for release on 25.05.2022

Crop	No.	Variety	Zone recommended
Paddy	2	KMP-225	Zone 6
		RNR-15048	Zone 6
Maize	1	MAH-14-138	Zone 5 & 6
Browntop Millet	1	GPUB.T-2	Zone 5 & 6
Field Bean	1	HA-5	Zone 5
Sesamum	1	GKVKS-1	Zone 5
Niger	1	KBN-2	Zone 5 & 6
Castor	1	ICH-66	Zone 5 & 6
Fodder sorghum	1	CNFS-1	Zone-6

New Technologies: Thirty-seven new technologies were developed and approved for Inclusion in Package of Practices on 25.05.2022 which are as follows

Crop Production (16)
Agronomy (10)
➢ Optimization of seed rate for tractor operated drill sown finger millet
➢ Studies on pre-emergence chemical weed control in drum seeded rice

➢ Nitrogen Management in Bajra Napier Hybrid grass for higher green forage yield and quality
➢ Package of practices for Browntop millet
➢ Spacing & organic nutrient management under organic farming of nutri-cereals ✓ Foxtail millet ✓ Browntop millet ✓ Little millet ✓ Proso millet ✓ Kodo millet ✓ Barnyard millet
Soil Science & Agricultural Chemistry (5)
➢ Schedule of water soluble phosphorus for sugarcane crop through Micro Irrigation
➢ Use of newly formulated micronutrient mixture for enhanced growth and yield of paddy in alkaline soil
➢ Application of Phosphorus enriched compost for improved soil properties and enhanced yield under ragi –cowpea cropping systems
➢ UASB Blackgram micronutrient mixture (MMF1 & MMF2) for enhanced growth and yield of blackgram
➢ UASB Greengram micronutrient mixture (MMF1 & MMF2) for enhanced growth and yield of greengram
Agricultural Microbiology (1)
➢ Sugarcane trash decomposition using microbial consortium
Crop Protection (18)
Entomology (7)
➢ Spinetoram seed treatment of pulses for managing pulse beetle during storage
➢ Management of wild boar in groundnut field.
➢ Spraying Spinetoram or chlorantraniliprole for management of tomato pinworm, *Tuta absoluta*
➢ Spraying of spinetoram for management of thrips on chilli
➢ Spraying of entomopathogenic fungi, *Lecanicillium lecanii* for management of rugose spiraling whitefly in coconut ecosystem
➢ Management of rugose spiraling whitefly on coconut using bio rational insecticides
➢ Spraying of flonicamid for management of sucking pest in cotton
Plant Pathology (11)
➢ Spray of chitosan for management of Sheath blight disease in rice
➢ Seed treatment with *Pseudomonas* and spraying trycyclazole & mancozeb for management of neck and finger blast in finger millet
➢ Integrated disease module for management of *Turcicum* leaf blight in maize.
➢ Soil drenching of Bleaching Powder and application of streptocycline sulphate for management of bacterial stalk rot of maize
➢ Spraying of propiconazole for management of leaf blight in brown top millet
➢ Spraying of mancozeb + carbendazim for management of Rust in cowpea

➢ Spraying of hexaconazole for management of cercospora leaf spot in cowpea
➢ Management of *Alternariaster* leaf spot in sunflower.
➢ Spraying of azoxystrobin & difenconazole for management of powdery mildew in chilli
➢ Spraying of tebuconazole & trifloxystrobin for management of powdery mildew in mango
➢ Spraying of fungicides for management of black spot of papaya
Sericulture (1)
➢ Foliar spray of cultivated sea plant (*Kappaphycus* sp.) extract for enhanced growth and development of mulberry and silkworm, *Bombyx mori* L.
Apiculture (2)
➢ Six frame hives for *Apis cerana*
➢ Pollen substitutes and its feeding methodology in *A. cerana* colonies

Commercialization of Technologies: Following Ten technologies have been approved for commercialization on 25.05.2022

- Microbial consortium for Sugarcane trash decomposition
- Little Millet based Probiotic Mix
- Foxtail millet based Probiotic Mixes
- Protein rich Foxtail Millet breakfast cereals / flakes
- Protein rich Little Millet flakes breakfast cereals / flakes
- Protein rich Sorghum Millet flakes breakfast cereals / flakes
- Protein rich White Ragi flakes breakfast cereals / flakes
- Bee Nivas
- Tractor drawn automatic seed-cum-fertilizer drill for intercropping / monocropping system of multi-crops
- Solar cum Biomass Energy Hybrid dryer

3. Break through Research:

- Horsegram Genome was decoded First Time in the World. variety PHG-9 was sequenced using the combination of Illumina and Pacbio technologies. Horsegram has the lowest repeat content among the legumes sequenced so far, its genome is a rich source of gene repertoire for multiple stress tolerance and nutraceutical properties. The genome is abundant in proteinase inhibitors that could be used as functional food ingredients in the near future. Overall, this draft genome sequence provides many opportunities to explore this crop for its desirable traits like drought tolerance, antioxidant activity, antimicrobial properties and high protein
- During 2021-22, a total of 103 (ITS 2 - 78; Mt COI - 25) DNA sequences of twenty-eight species of mites are submitted to NCBI - GenBank database. To study the genetic variability of polyphagous species across host plants and geographical locations, nuclear gene (ITS2) sequences of the following mite species were deposited and accessioned in the GenBank database; *Tetranychus urticae* -72 (+8) populations, *T. macfarlanei* -61 (+9), *T. neocaledonicus* -48 (+14),

T. truncatus -34 (+7), *T. ludeni* -29 (+6), *T. udaipurensis* -18 (+2), *T. lombardinii* -20 (+7), *T. okinawanus* -9 (+1) & *T. turkestani* – 6 (+2)

4. **Seed Production during 2022-23**: National Seed Project (NSP) of UAS-B has under taken breeder and quality seed production with a production target of 21,495 quintals during 2022-23 in different crops. A total of 1157 q of breeder seed and 20,338 q of quality seeds are expected from 2022-23 programme.

III. EXTENSION

The Directorate of Extension is vested with the responsibility to carry out the extension services in 10 districts of Southern Karnataka as complementary and supplementary to the extension activities of state developmental departments. During 2022-23 (from April 2022 to March 2023), the Directorate through its different Units/KVKs conducted 580 training programmes and trained 23106 farmers/farmwomen/Rural youth. In 127 batches, 6615 extension functionaries of different line departments have been trained and in 71 batches, 2840 Agriculture Input Dealers have been trained through DAESI programme. In addition, 55 On-farm Testing's in 45.31 hectares covering 188 farmers, 303 Front Line Demonstrations in 863.75 hectares covering 2864 farmers, 85 farm trails in 19.85 hectares covering 248 farmers, 212 method demonstrations, 82 field days, 1,920 field visits, 21 Bi-monthly workshops and 24 exhibitions were conducted. Around 138 short messages were sent to 6,21,620 farmers by all the KVKs. Put together, all the KVKs have analyzed 2546 soil samples and 1678 water samples.

Agricultural Technology and Information Centre (ATIC) and KVKs have provided consultancy services to 11749 farmers. KVKs produced and sold 15.46 quintals of seeds and ATIC facilitated selling 428.3 quintals of seeds for the benefit of farmers and also both the centers together sold 76,794 saplings. KVKs/EEU are conducted 05 Skill Training of Rural Youth (STRY) programmes for 75 rural youths for six days duration sponsored by MANAGE, Hyderabad. One year Diploma in Agriculture (277 students), Certificate Courses on Organic Farming (53 students), Seed Production Technologies in Agriculture (24 students), Post Graduate Diploma in Agriculture (11 students) and Agriculture Equipment Maintenance (14 students) were conducted by Distance Education Unit. As many as 105 programmes on Bakery Technology /Product Commercial Baking Courses, certificate courses and orientation programmes were organized to 2981 trainees by the Bakery Training Unit. The UAS, Bangalore has organized the mega event of Krishimela-2022 from 3-6 November at GKVK campus, Bengaluru. Around 17.03 lakh farmer/students/general public/extension functionaries visited Krishimela-2022. During the mela, nine agriculture crop varieties and 37 new farm technologies were released for the benefit of farming community. Around Rs.9.01 crores of financial transaction took place in the mela. In addition to this, advisories were provided to 1310 farmers to their queries related to agriculture and allied fields through the consultancy services. In Krishimela, various state, district and taluk level youth farmers awards were bestowed.

B) Performance Budget: 2023-24

University of Agricultural Sciences, Bangalore has submitted the proposal to Government of Karnataka for grants of Rs.13157.69 lakhs towards grant-in-aid salaries, Rs.14149.30 lakhs towards grants–in-aid Pension, Rs.2252.74 lakhs for Contract/ outsource, Rs.371.65 lakhs for Daily wages, Rs.6249.09 lakhs towards Grant-in-aid General (Research) and Rs.4180.00 lakhs towards grant-in-aid General (Education), Rs.343.82 lakhs for SCSP and Rs.77.31 lakhs for TSP and Rs.5398.00 lakhs for NABARD grants during the year 2023-24. Following proposal is submitted to the Government for grants of Rs.46179.60 lakhs for UAS, Bangalore for 2023-24.

Agricultural Education

- Supporting Educational Programmes in constituent colleges
- Supporting outreach activities of the University
- Supporting grants to newly Established Agricultural College, Chamarajanagara
- Supporting Students Co-curricular activities
- Up-gradation of Library, Agricultural Knowledge Management Unit and Project Planning Monitoring Cell
- Renovation/up-gradation of classrooms (Smart class room) of all constituent Colleges
- Ongoing Committed works for improvement of campus of all constituent colleges
- Financial Support for study tours to final year students
- Replacement of old unserviceable college buses and cars
- Development of indoor sports facilities in constituent colleges and co-curricular activities of the students including girl's activities
- Laptop to SC Students, Tours & Contingency, Fee concession, hostel fee, EBL Charges to SC Students etc.
- Laptop to ST Students, Tour & Contingency, hostel fee, EBL charges and other facilities to ST Students etc.

Agricultural Research

- State share of ICAR Coordinated Research projects and Research activities.
- Strengthening, location-specific research in different Research Stations.
- Up gradation of Research Infrastructure and support service.
- Modernization of old Agriculture Research Stations, Infrastructure Development of New Research Stations ARIS Cell.
- Improvement, development of varieties/Technologies and value addition.
- Ongoing committed Programs.

Financial Proposal for the Year 2023-24

(Rs. in lakhs)

Sl. No.	Particulars	Proposal for the year 2023-24
A	**RESEARCH**	
1	Grant-in-Aid-Salaries Rs.12532.00	13157.69

	AICRP Schemes Salary Rs.625.69	
2	Grant-in-Aid – Pension	14149.30
3	Grant-in-Aid–Contract/ outsource	2252.74
4	Daily wages	371.65
5	Grant-in-Aid -General	6249.09
	Sub Total (Research)	**36180.47**
B	**EDUCATION**	
1	Grant-in-Aid -General	4180.00
2	SCSP	343.82
3	TSP	77.31
	Sub Total (Education)	**4601.13**
C	NABARD	5398.00
	GRAND TOTAL(A+B+C)	**46179.60**

Financial Report: 2022-23

(Rs. in lakhs)

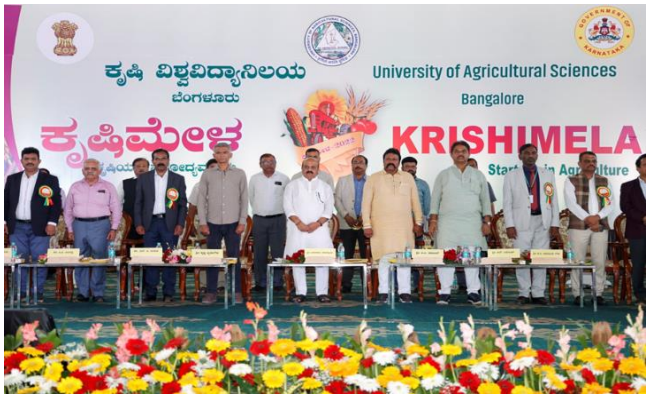
Sl. No.	Particulars	Allocation 2022-23	Grants Released 2022-23	Expenditure 2022-23 (provisional)
A	**Research**			
1	Grant-in Aid Salary	11188.88	11188.88	11188.88
2	Grant-in Aid Pension	13148.45	13148.45	13148.45
3	Grant-in-Aid–Contract/outsource	835.62	835.62	835.62
4	Daily wages	342.95	342.95	342.95
5	Grant-in-Aid–General-Research	982.84	982.84	982.84
6	SC/SP	156.00	156.00	162.45
7	TSP	65.00	65.00	65.00
8	NABARD	3066.98	3066.98	3416.98
	GRAND TOTAL	**29786.72**	**29786.72**	**30143.17**

* An additional expenditure of 6.45 lakhs has been incurred on the Scheduled Castes Sub Scheme from the remaining grant of 2021-22

** Government of Karnataka released the amount of Rs. 350.00 lakhs in March 2022. This grant will be utilized during 2023-24 financial year

Photographs depicting activities

Hon'ble Governor observing the hydroponics facility during his visit to GKVK



Hon'ble Chief Minister and other dignitaries during Krishimela-2022

New varieties Released

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UNIVERSITY OF AGRICULTURAL SCIENCES, DHARWAD

2022-23 Annual Report

EDUCATION

1. In order to bring innovations in education as per the plan of the Central Government, arrangement has been made to implement the 'National Education Policy' from the year 2023-24.
2. As per the recommendations of the 6th Deans' Committee of the Indian Council of Agricultural Research, modifications are being brought in the syllabus of Undgergraduate and Postgraduate Degree Programmes in all the Colleges of the University of Agricultural Sciences, Dharwad.
3. The 'Postgraduate Research Conference' is going to be organized for presentation of the research work of Postgraduate students in the last week of July 2023.
4. "National Conference of the Vice-Chancellors of Agricultural Universities" on "Millets" sponsored by the Indian Agricultural Universities' Asociation (IAUA), shall be organized by University of Agricultrual Sciences, Dharwad during October/Nobember 2023.
5. As College of Agriculture, Dharwad complets its 75 years in 2023, "Amrut Mahotsava" is being organized throughout the year 2023.
6. Diploma(Agri.) College in Hukkeri, Belagavi District is being constructed with a budget of Rs.5.00 crores.
7. Construction of "Students' Hostel" at College of Agriculture, Hanumanamatti, Haveri District is completed and arrangements for its inauguration is being done.
8. Preparation is being made to bring 'Uniform Statutes' in all the Farm Universities of Karnataka.
9. Under the SCSP/TSP grants, the SC/ST students studying in Postgraduate Degree Programmes have been given opportunities to participate in conference/ seminar/ symposium organized outside India.
10. Under the project entitled 'National Agricultural Higher Education Project-Institutional Development Plan' the Undergraduate students are being sent to abroad for getting higher training in their studies.

Research Achievements 2022-23

1. University has developed and released three new varieties/hybrids namely Pearlmillet (VPMH 14), Sugarcane (SNK 635) and Safflower (DSAF 1) for farming community for zone 3 and 8 of Karnataka. Totally University has released 39 improved technologies in crop production, crop protection and other technologies for the farming community.
2. One new research and development project of World Bank funded Watershed Development Department on REWARD (Rejuvenating Watersheds for Agricultural

Resilience through Innovative Development) has been sanctioned with an outlay of Rs. 2724.35 lakhs and the project is under progress.

3. During the year 2022-23, there are 16 new adhoc research projects sanctioned by the various sponsoring agencies for the total outlay of Rs. 274 lakhs.
4. There was an approval from GoK for the establishment of Maize Research Centre at Hirekerur taluka, Haveri District during 2022-23 and for this 50 acres of land was identified in Hirekerur taluka. For the said centre establishment university has requested the government for free land.
5. Dr.S.V.Patil Foundation Chair was established in UAS, Dharwad for studies in Research, Teaching and Extension during 2022-23 and National Seminar was organised from 16th to 18th June, 2022 under this foundation chair.
6. AICRP on Sorghum, MARS, UAS, Dharwad was recognised with "Best Research Centre/AICRP" for the year 2020-21 during All India Coordinated Research Project Annual Workshop on 28-29 April, 2022.
7. AICRP on Dryland Agriculture, RARS, Vijaypur was recognised with "Best Research Centre/AICRP" for the year 2020-21 and 2021-22 during 27th All India Coordinated Research Project on Dryland Agriculture Annual Workshop held on 2nd June, 2022.
8. Dr M. S. Swaminathan Award for the year 2021 was received by Dr. Suma Mogali, Principal Scientist (Plant Breeding) & Head AICRP on MULLaRP, MARS, Dharwad and Indian Society of Genetics & Plant Breeding, New Delhi awarded "ISGPB – 2022 Fellow" Award for her outstanding research.

Proposed new projects 2023-24

1. Centre of Excellence for Climate Smart Agriculture at an estimated cost of Rs. 25 crores.
2. Advance centre for promotion of plant based fibres in textile industry at an project cost of Rs. 15 crores.
3. Innovative Development and strategic promotion of Eco-tourism in the territory of UAS Dharwad at an project outlay of Rs. 10 crores.
4. Centre for promotion of Organic and Natural Farming for healthy food chain at an estimated cost of Rs. 10 crores.
5. Advance Research on Rice, Maize and Sorghum Millets on bio-ethanol production at an estimated cost of Rs. 10 crores.

Extension

Directorate of Extension under University of Agricultural Sciences, Dharwad is working with the farmers in Northern Seven districts through popularization of improved varieties, demonstrations, trainings and other extension activities through the different centres / units. Details of the present year activities are as under.

Centres functioning under Directorate of Extension

1. Staff Training Unit (1)
2. SAMETI(N) activities under ATMA project (in northern 14 districts)
3. Diploma In Agricultural Extension Services for Input Dealers (DAESI)
4. Raita Chetana Help Line Centre (1800-425-1150) (Agriwar room)
5. Krishi Community Radio Station
6. Krishi Vigyan Kendras (6)
7. Agricultural Extension Education Centres (6)

Extension activities organized during 2021-22

Sl.No.	Details	KVKs	AEECs	DE Office	Total
1	On Farm Testing of Technology	37	-		37
2	Method Demonstration	98	9		107
3	Block Demonstrations / Whole Farm Demonstration	21	-		21
4	Front-line demonstrations	53	11		64
5	Farm Trials	34	26		60
6	Training Programmes	607	137	87	831
7	Bi-monthly workshop	35	-		35
8	No. of RSK contacts scientist	153	-		153
9	Radio/TV Programme	451	-		451

1. More than 4500 farmers calls were attended through Agriwarm room

2. Popularization of UAS varieties/ technologies: A contract scientist has been nominated for all the 151 Raith Samparka Kendras all 7 Districts under the jurisdiction of UAS, Dharwad. The scientists will be visiting allotted RSK at list once in a week to attend to the Agriculture problems of the farmers and also to finalise the plan of work.

3. District level pest/disease surveillance team: A team of scientists of UAS, Dharwad and officers of Agriculture department for all the seven districts is formed to address pests/disease problems of seven districts.

4. Fortnightly Radio/Media tips based on the local and crop specific situations is sent to Radio stations and media for desimination among the farming community.

5. Nine Training Programmes for 308 participants on different emerging area of agriculture is arranged in Staff Training Unit.

6. SAMETI (North), University of Agricultural Sciences, Dharwad organized 18 online training programmes to extension officers of different development departments of 14 districts of North Karnataka.

7. State level ATMA scheme Progress Review Workshop conducted to DPD, BTM and computer programmers of 14 districts of North Karnataka.

8. Review meeting conducted in collaboration with MANAGE, Hyderabad to all 14 districts of North Karnataka DAESI facilitators on Installation of Extension Corner and Digital display board under DAESI 2.0 programme.

9. DAESI: SAMETI (North), UAS, Dharwad organizing 32 DAESI batches in 28 different Transfer of Technology centres (NTIs).

10. A total of 1987 Radio Programmes were broadcasted through community radio station, UAS, Dharwad comprising 688 Agriculture, 95 Horticulture, 120 Agro climatic, 580 Folk Programmes, 45 Market related and 15 Dairy Programmes, 112 Community Programmes, 101 Food and Nutrition, 86 Health Programmes, 65 Corona awareness programme and 15 Mental Health Programmes.

Important Extension Activities of Krishi Vigyan Kendras

1. International year of millets-2023 was Broadcasted live through all the Krishi Vigyan Kendras on September 17th. Farm Women Day was celebrated on October 15th. World Soil Day, Cleanliness Fortnight, vigilance week and National Farmers Day were organized.

2. Cluster demonstrations were organized to increase oil and pulse production

3. Information on Farm Machinery App, Kisan Rath App and KVK Mobile App was provided to farmers.

4. Need based farm information is regularly sent through mobile SMS

5. Workshop on Value addition and preparation of different dishes of banana: Krishi Vigyan Kendra, Sirsi in collaboration with Uttar Kannada district organic farm, Sirsi, Horticulture and Agriculture Department organized “Workshop on Value addition and preparation of different dishes of banana” on 15th August.

6. One district one product: Under this scheme KVK Bagalkot in collaboration with MBA College of BVV, Agriculture Extension Education Centre, Mudhol, Institute of Agriculture Technologists and Krishik Samaj organized Jaggary festival on 23rd and 24th December

7. Analysed soil , water, plant and compost samples in different Krishi Vigyan Kendra and reports were sent to the farmers

Important Extension Activities of Agriculture Extension Education Centres

1. Integrated crop management, visit to problematic fields, farm advisory services, group discussions, fortnightly tips, need based training programmes etc were organized by Agriculture Extension Education Centres regularly.

2. A total of 965 visitors comprising farmers, farm women and students were explained different activities of University and provided technical information

3. A Field Day on rare paddy (Variety : Kagga) was organized at Manikatta on 26th October and benefits of cultivation of Gazani Fish in Kagga paddy field was organized on 1st December by AEEC, Kumta

4. Every day suggestions to farmers is given through Krishi Mitra coloumn in Vijayavani news paper by AEEC, Vijayapur and KVK, Hanumanamatti which is reaching more than 1 lakh readers of Vijayapur, Bagalkot and Haveri

5. All the transfer of technologies centres are engaged in number of Extension activities like field days, exhibitions, film shows, method demonstration, group meetings, resource persons, tele-consultancy, mobile consultancy, scientist visit to fields, frontline demonstrations, On and Off campus training programmes, celebration of special days, soil health campains, animal health camps, designation of agriculture information through Radio and Doordarshan programmes, Popular, Extension and Research Articles to transfer to technical information to farming community.

UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR
ANNUAL REPORT 2022-23

1. University Administration

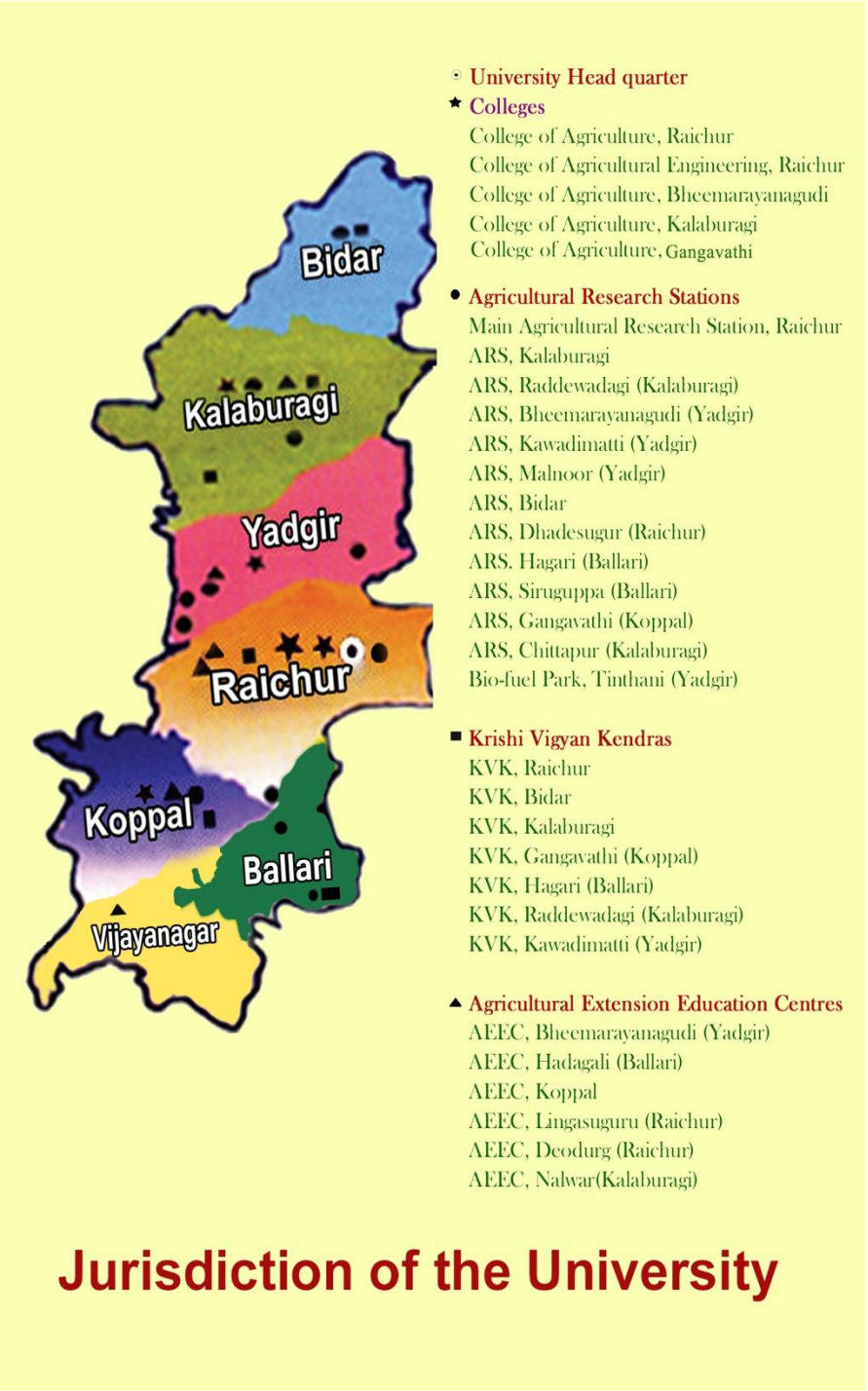
1.1 Establishment of University

Raichur is privileged of being an oldest establishment for agricultural research. In 1932, Agricultural Research Station was established by the then Nizam's Government of Hyderabad with a mandate to carryout research on dryland farming. After the reorganization of states in the country, Raichur was identified as the main research station for oilseeds. With the establishment of State Agricultural University in Karnataka during 1964 at Bengaluru, it was elevated to Regional Research Station with a jurisdiction of seven districts of Northern Karnataka. Agricultural Engineering Institute (AEI) was added to Raichur campus in 1969 to offer Diploma course in Agricultural Engineering which, in 1987, was upgraded to the status of College of Agricultural Engineering with up-gradation of Diploma to B.Tech degree programme.

The University of Agricultural Sciences, Raichur has come into existence on 22.11.2008 and started functioning from April 2009. The Kalyana-Karnataka region comprising Bidar, Kalaburgi, Raichur, Ballari, Koppal, Yadgir and Vijayanagar Districts are come under the jurisdiction of the University. The Kalyana Karnataka region is a potential agrarian area with an irrigation potentiality of 12 lakh hectares through Tungabhadra, Krishna, Karanja, Mullamari, Hirehalla, Bennethore and other irrigation projects, spanning a total geographical area of 44.96 lakh hectares accounting 33.60 per cent of the geographical area of the state, of which nearly 68 per cent is under cultivation and has a unique combination of medium (32.42%) and large farmers (36.69%) bestowed with rich natural resources especially for agricultural development.

1.2 Jurisdiction

Location of the University and its constituent Institutes



2. Education

2.1 Academic Programmes

The University has six colleges with a territorial jurisdiction of Seven Districts of Kalyana-Karnataka region to carry out the mandated education in the area of Agriculture and allied sciences. Presently, the University offers two Bachelor degree programmes – B.Sc. (Hons) Agriculture, B.Tech. (Agri. Engineering), Masters Degree programmes in 15 disciplines and Ph.D programme in 14 disciplines. The academic programmes are offered under semester system with English as medium of instruction. Two year diploma in Agriculture is being offered under semester system in Kannada medium.

2.2 Functions and Activities performed

2.2.1Admission to Bachelor degree programmes

The University admits students to Bachelor degree programmes through KEA-CET by following Government of Karnataka / ICAR guidelines/ norms / roaster. The University has reserved 50% of seats in favour of children of Agriculturists. As per the ICAR direction 15% of the seats are reserved for ICAR- NTS candidates. The University also admits foreign students and NRI students to the extent of 15% of intake. The prescribed qualification is 10+2 with Physics, Chemistry, Mathematics and Biology combinations. 5% Diploma students who obtained Diploma in Agriculture / Agricultural Engineering will also be admitted under lateral entry scheme.

Table 1:College-wise Bachelor degree programmes, intake, admitted students and students on roll (included NRI and Lateral entry Diploma quota) and Faculty-Student Ratio.

Sl. No.	Name of the college and Degree Programme	Degree	Student Intake	Admissions Made			Students on Roll (Four Years)		
				B	G	Total	B	G	Total
1	College of Agriculture, Raichur	B.Sc. (Hons) Agriculture	133	64	68	132	302	239	537
2	College of Agriculture, Bheemarayanagudi	B.Sc. (Hons) Agriculture	134	66	52	118	280	178	458
3	College of Agriculture,	B.Sc. (Hons) Agriculture	84	34	40	74	156	144	300

	Kalaburagi								
4	College of Agriculture, Gangavati	B.Sc. (Hons) Agriculture	37	11	19	30	54	44	98
5	College of Agriculture, Hagari	B.Sc. (Hons.) Agriculture	37	27	06	33	26	6	32
6	College of Agricultural Engineering, Raichur	B.Tech. (Ag.Engg)	87	46	31	77	167	120	287
	Total	**06**	**512**	**248**	**216**	**464**	**985**	**727**	**1712**

B = Boys, G=Girls

2.2.2 Admission to Masters, Ph.D degree programmes

Post-Graduate admissions are made through Common Entrance Test among the Farm Universities in the state through counseling. The University approved seat matrix indicating roasters based on the Government of Karnataka and ICAR, New Delhi guidelines are adopted in admission. The University also admits candidates with ICAR-JRF / NTS /SRF allotted by ICAR to the extent of 25% of the intake. In addition, foreign students are admitted to the extent of 15% of intake to the University through DARE / ICAR, Govt. of India and through bilateral MoU between the foreign universities sponsored candidates and NRI students to the extent of 15% of intake. The prescribed qualification for Master degree programme is Bachelor Degree in the concerned subject/s and for Doctoral degree programme is Master degree in concerned subject/s.

Table 2: Student's strength in Masters and Doctoral programme for the year 2022-23.

Sl. No.	Name of the College	Degree Programme	Student Intake	Students strength (2022-23)									Grand Total		
				I Year		Total	II Year		Total	III Year		Total			
				M	F		M	F		M	F		M	F	Total
1.	College of Agriculture, Raichur	Ph.D. (Agri.)	27	17	10	27	12	17	29	21	14	35	50	41	**91**
		M. Sc. (Agri.)	156	59	70	129	75	61	136	–	–	–	134	131	**265**
2.	College of Agricultural Engineering, Raichur	Ph.D. (Ag. Engg.)	16	7	1	8	6	3	9	4	7	11	17	11	**28**
		M. Tech. (Ag. Engg.)	27	2	1	3	4	1	5	–	–	–	6	2	**8**
Grand Total			**226**	**85**	**82**	**167**	**97**	**82**	**179**	**25**	**21**	**46**	**207**	**185**	**392**

2.2.3 Admission to Diploma programmes

Admissions to Two Year Diploma in Agriculture is made based on the merit of the prescribed qualification i.e. 10th standard by following University approved seat matrix with roaster based on guidelines of Government of Karnataka. These candidates are eligible for scholarship provided by Dept. of Agriculture, Govt. of Karnataka, during their studies.

University of Agricultural Sciences, Raichur, which has been progressing for thirteen years with confidence and good performance, this university has continuously strived to effectively implement agricultural education, research and extension activities for the betterment of students and farmers and has created its own identity at the state and national level.

During the year, the intake for the two year diploma was 50 for each college and the total admission made was 99 of which 83 were boys (83.83%) and 16 was girls (16.16%) was depicted in Table-3.

Table3: **Student's strength in Diploma programme for the year 2022-23**

Sl. No.	Name of the College	Admittance		
		Male	Female	Total
1	Agriculture Research Station, Hagari	21	12	**33**
2	Krishi Vignana Kendra, Bidar	33	11	**44**
	Total	**54**	**23**	**77**

2.2.4 Master's and Doctoral Degrees

Number of Students Intake, Admitted and On rolled in Bachelors', Masters' and Doctoral degree and Diploma programme

Table 4: **Overall intake, admission and students on roll in the University during 2022-23**

Sl. No.	Programme	Student Intake	Admissions made			Students on Roll		
			Boys	Girls	Total	Boys	Girls	Total
1	Doctoral Degree	65	25	12	37	62	53	115
2	Masters Degree	183	62	71	133	149	142	291

3	Bachelor Degree	512	241	223	464	985	728	1713
4	2 Years Diploma	100	54	23	77	157	36	193
	Total	**860**	**382**	**329**	**711**	**1353**	**959**	**2312**

Table 5: Admission intake, admitted students and students on roll department wise:

Sl. No.	Department	Doctoral		Master's			Total
I	**College of Agriculture, Raichur**	**UAS PGCET**	**ICAR quota**	**UAS PGCET**	**ICAR quota**	**NRI quota**	
1.	Agricultural Economics	-	-	16	-	-	**16**
2.	Agricultural Entomology	4	-	14	-	-	**18**
3.	Agricultural Extension Education	3	-	6	-	-	**9**
4.	Agricultural Microbiology	1	-	4	-	-	**5**
5.	Agronomy	6	1	19	4	1	**31**
6.	Crop Physiology	-	-	-	-	-	**-**
7.	Genetics and Plant Breeding	4	1	15	2	1	**23**
8.	Horticulture	2	-	9	2	-	**13**
9.	Molecular Biology &Agril. Biotechnology	-	-	2	-	-	**2**
10.	Plant Pathology	2	1	12	3	-	**18**
11.	Seed Science and Technology	-	-	8	2	-	**10**
12.	Soil Science and Agricultural Chemistry	2	-	10	-	-	**12**
	Total	**24**	**3**	**115**	**13**	**2**	**157**
II	**College of Agricultural Engineering, Raichur**						
1.	Farm Machinery and Power Engineering	-	1	-	1	-	**2**
2.	Processing and Food Engineering	2	-	1	1	-	**4**
3.	Soil and Water Engineering	5	-	-	-	-	**5**
	Total	**7**	**1**	**1**	**2**	**-**	**11**
	Grand Total	**31**	**4**	**116**	**15**	**2**	**168**

BACHELOR DEGREE

Table 6: UAS Merit and General Scholarship awards for UG programme

Sl. No.	College Name	Degree Programme	UAS Merit Scholarship	General Scholarship
1	College of Agriculture, Raichur	B.Sc. (Hons) Agriculture	22	9
2	College of Agriculture, Bheemarayanagudi	B.Sc. (Hons) Agriculture	17	-
3	College of Agriculture, Kalaburagi	B.Sc. (Hons) Agriculture	13	3
4	College of Agriculture, Gangavati	B.Sc. (Hons) Agriculture	3	1
5	College of Agriculture, Hagari	B.Sc. (Hons) Agriculture	2	4
6	College of Agricultural Engineering, Raichur	B.Tech. (Agril. Engg.)	8	-
		Total	**65**	**17**

English

MASTERS & DOCTORL

Table 18: UAS Merit scholarships and incentive awards for PG programme

Sl. No.	Department	Degree Programmes	UASR Merit Scholarship	Incentive Scholarship
COLLEGE OF AGRICULTURE, RAICHUR				
1	Agriculture Economics	1 Year Ph.D.	–	–
		2 Year Ph.D.	–	–
		3 Year Ph.D.	–	–
		1 Year M.Sc.	02	11
		2 Year M.Sc.	02	08
2	Agriculture Entomology	1 Year Ph.D.	01	03
		2 Year Ph.D.	–	01
		3 Year Ph.D.	–	–
		1 Year M.Sc.	02	09
		2 Year M.Sc.	02	09

3	Agriculture Extension Education	1 Year Ph.D.	01	01
		2 Year Ph.D.	–	01
		3 Year Ph.D.	01	–
		1 Year M.Sc.	01	05
		2 Year M.Sc.	01	05
4	Agriculture Microbiology	1 Year Ph.D.	–	–
		2 Year Ph.D.	–	–
		3 Year Ph.D.	–	–
		1 Year M.Sc.	01	03
		2 Year M.Sc.	01	02
5	Agronomy	1 Year Ph.D.	–	02
		2 Year Ph.D.	01	–
		3 Year Ph.D.	–	–
		1 Year M.Sc.	03	13
		2 Year M.Sc.	02	10
6	Crop Physiology	1 Year Ph.D.	–	–
		2 Year Ph.D.	–	–
		3 Year Ph.D.	–	–
		1 Year M.Sc.	–	–
		2 Year M.Sc.	01	04
7	Genetics and Plant Breeding	1 Year Ph.D.	01	03
		2 Year Ph.D.	01	01
		3 Year Ph.D.	01	–
		1 Year M.Sc.	02	14
		2 Year M.Sc.	02	05
8	Horticulture	1 Year Ph.D.	01	–
		2 Year Ph.D.	–	–
		3 Year Ph.D.	–	–
		1 Year M.Sc.	02	04
		2 Year M.Sc.	02	06
9	Molecular Biology and Agricultural Biotechnology	1 Year M.Sc.	–	01
		2 Year M.Sc.	01	02
10	Plant Pathology	1 Year Ph.D.	01	–
		2 Year Ph.D.	01	–
		3 Year Ph.D.	01	–
		1 Year M.Sc.	02	10

		2 Year M.Sc.	02	11
11	Seed Science and Technology	1 Year Ph.D.	–	–
		2 Year Ph.D.	01	–
		3 Year Ph.D.	–	–
		1 Year M.Sc.	–	07
		2 Year M.Sc.	–	10
12	Soil Science and Agricultural Chemistry	1 Year Ph.D.	–	–
		2 Year Ph.D.	–	–
		3 Year Ph.D.	–	–
		1 Year M.Sc.	01	06
		2 Year M.Sc.	02	06
COLLEGE OF AGRICULTURAL ENGINEERING, RAICHUR				
1	Farm Machinery and Power Engineering	1 Year Ph.D.	–	–
		2 Year Ph.D.	–	–
		3 Year Ph.D.	01	–
		1 Year M.Tech.	–	–
		2 Year M.Tech	01	–
2	Processing and Food Engineering	1 Year Ph.D.	–	01
		2 Year Ph.D.	–	–
		3 Year Ph.D.	–	–
		1 Year M.Tech.	01	–
		2 Year M.Tech	–	–
3	Soil and Water Engineering	1 Year Ph.D.	–	–
		2 Year Ph.D.	–	–
		3 Year Ph.D.	01	–
		1 Year M.Tech.	–	–
		2 Year M.Tech	–	–
		Total	**50**	**174**

- In this regard imparting high quality education is the priority of the university and during the year 2022-23, a total of 446 students have been admitted to bachelor's degrees, 155 students to master's and doctorate degrees, and a total of 77 students to the agriculture diploma course.

- It is a matter of pride that our 22 undergraduate students and 19 post graduate students have received National Talent Scholarship from Bharatiya Krishi Anusandhana Parishad, two students pursuing master's degrees have got JRF and 4 students pursuing Ph.D. have got Rajiv Gandhi National Fellowship, three students have received state level DST Inspire and five students have received state level DST Fellowships.
- Ten graduate students have cleared the state level JRF, five students have cleared the SRF and also seven students have cleared the GATE exams.
- Certificates were distributed on 6th September 2022 to 109 students who have completed Diploma (Agriculture) course.
- Dean of Postgraduate Studies have organized a two-day National Postgraduate Research Workshop on 13th – 14th September 2022 to familiarize students pursuing Master's and Doctoral degrees in the University with research scope, research methodology, data verification, research paper presentation and barriers in research in agriculture and allied subjects. In that workshop 37 doctoral students and 128 post-graduate students have presented their research results through poster presentation and exhibition.
- University libraries have been upgraded with a view to maintaining academic standards. New facilities of information and communication technology like RFID (Radio Frequency Identification), Open Source Software Koha, Internet surfing, Online Catalogue, E-books, E-Journals etc. have been implemented in the university library under SMART CAMPUS project.
- The 'Green Graduation' program has been started in all the colleges of the University and through the participation of all the students, various saplings are being planted and nurtured in their respective academic premises, and the students are concerned about agriculture and environment and this program is expanding every year.
- As a result of the excellent training of NCC unit of the University, the students viz., Sudeepa Y, Ajith Suresh Naganoor (B.Sc. Agri.) and Sangamesh B.Tech. (Agril.Engg.) has joined the Indian Navy in the year 2021-22.
- Similarly, the NSS Unit of the University is working enthusiastically and has increased the commitment of the University by participating in creating awareness among the rural people and public about various programs of the Central and State Governments, such as

Blood Donation Camp, Vanamahotsav, Swachhata Andolan, National Unity Day. Apart from this, our students are striving to have a perfect personality by actively participating in sports and cultural activities.

- From this academic year, "Best RAWE Team" Award has been implemented in College of Agriculture, Raichur to encourage the students who are participating in the RAWE programme. By this, the students are encouraged and have gained experience in achieving more at the village level.
- The University students participated in badminton in international south zone youth festival at Jain University, Bengaluru from 27-11-2022 to 30-11-2022.
- The students represented the University in Kabaddi at Bangalore University, Bengaluru from 07-12-2022 to 12-12-2022.
- The boys volleyball team participated in the south zone inter University tournament at SRMIT University, Chennai from 23-12-2022 to 27-12-2022.
- The students have participated in the 21st Inter University Sports conducted at Agricultural University, Haryana from 20-02-2023 to 24-02-2023.
- The students has participated in international south zone youth festival at Jain University, Bengaluru, from 24-02-2023 to 28-02-2023.
- It is a matter of pride for our university that Mr. Akash student of College of Agriculture, Kalaburagi has representing University in the National Republic Day Parade in New Delhi and also Kumari Yallamma, student of College of Agriculture, Kalaburagi representing University in the Republic Day Parade in Bangalore.
- Through the effective efforts of the university's student-friendly placement cell unit, 48 graduate students from Indofil India Pvt. Ltd., Koramandal International Pvt. Ltd., Narmada Bio-chem Pvt. Ltd., Sonalika Tractors Pvt. Ltd., are employed in various private companies.
- Under the Scheduled Caste / Scheduled Tribe Special Unit Sub Scheme implemented in the University the annual income limit is Rs. B.Sc within 5 Lakhs 60 Scheduled Caste and 23 Scheduled Tribe first year students of Agriculture (Hons) and B.Tech (Agricultural Technology) degree have been given laptops. Also, monthly stipend of Rs 10,000/- is being given to 15 Scheduled Castes and 4 Scheduled Tribes students pursuing Ph.D.

- Under the same scheme, 294 Scheduled Caste and 112 Scheduled Tribe students have been covered for meal expenses. The University is trying to uphold its social commitment by bearing the educational travel expenses of 44 Scheduled Caste and 17 Scheduled Tribe students.
- As a result of the University's commitment to quality research, new varieties HR-13 in millet, RMLS-11 in flax and RG-2016-134 in chickpea have been released for use by the farming community.
- The University's cotton varieties BGDS-1063, SCS-793, SCS-1061, BDGS-1033, Togari variety GRG-152, Maize GS-23, Chickpea Super Annigere - 1 and Paddy GNV-1089 varieties are under the Protection of Plant Varieties and Farmers' Rights Authority. Plant Varieties and Farmers' Rights Authority) has attracted everyone's attention.
- For the past three years, the university has been involved in research on drone technology and a demonstration has been carried out in an area of about 60 hectares.
- United Nations has declared the year 2023 as the International Year of Cereals, which is an honor for our cereal growers and consumers who use them. In this regard, Hon'ble Union Finance Minister Mrs. Nirmala Sitharaman, Hon'ble Union Minister of Agriculture and Farmers' Welfare Shri Narendra Singh Tomar, Hon'ble Chief Ministers of the State Shri Basavaraja S. By Bommai, Hon'ble Union Minister of State for Agriculture and Farmers' Welfare Sushri Shobha Karendlaje, Hon'ble Minister of State for Agriculture Shri B. C. The participation of Patil and dignitaries, scientists and agricultural experts is significant.
- Also, through that convention, Mrs. Nirmala Sitharaman, Hon'ble Finance Minister of Government of India, on behalf of NABARD and Government of Karnataka, Rs. 25.00 crore has been announced to Raichur University of Agricultural Sciences for research and value addition of “Cereal Value Chain Park”.
- The Department of Food and Processing of the University has extended technical advice and processing facilities to 9 cereals based startups (Millet Startups) and is instrumental in increasing entrepreneurship in Kalyana Karnataka.
- For extended research projects undertaken under the University from various sources Rs. 17.07 crore and under Rashtika Krishi Vikas Yojana Rs. 3.949 crore has been received and researches have been implemented for the development of agriculture sector.

- In order to realize the concept of seed village, the university's seed unit, which is providing quality seeds to the farming community at reasonable prices and on time, has produced a total of 13,031 quintals of excellent seeds of various crops including breeder, original, standard and genuine seeds and distributed them to the farmers in the respective seasons.
- The University's research results are reaching the farming community through seven Agricultural Science Centers and six Extension Education Centers, and the transfer of agricultural technologies in 50 villages through Agricultural Science Centers Kavadimatti and Raichur has resulted in Yadgiri and Raichur among the total 107 ambitious districts in the country as per the survey conducted by Krishi Kalyan Abhiyan and Niti Aayog. The districts secured first and third rank positions respectively.
- Directorate of Extension, UAS, Raichur a project involving more than 5000 farmers of Kalyan Karnataka through the Agricultural Science Center in collaboration with Raichur and Indian Institute of Millets Research (IIMR) Hyderabad has helped in increasing the production of cereal crops and more farmers are benefiting from it.
- Distributors of Agricultural Implements Training Program (DAESI) is ongoing and currently training a total of 400 agricultural implements dealers through 7 Agricultural Science Centers and 3 Extension Education Centres.
- Technical services provided through Agricultural Science Centers and Agricultural Extension Education Center 103 Agricultural Experiments, 213 Frontline Demonstrations, 346 Trainings and 430 Field Trainings were undertaken for rural youth More than 1300 field visits by scientists for problem solving, 17006 farmers visited KVKs.
- KVK Bidar, Contact Farmer Dr.Mohammad Idris Ahmed Qadri has got the "Haladara Organic Farmer Award 2021" from IARI, New Delhi and Mr. Kallappa Katralli of Vijayanagar District and Dr. Mohammad Idris Ahmed Qadri has been honored with the “Plant Genome Savior Farmer Reward” by the Plant Variety Protection & Farmers' Rights Authority (PPV & FRA), Government of India, New Delhi.
- Under one district one product scheme of Ministry of Food Processing Industries, Central Government, ginger in Bidar, togari in Kalaburagi, groundnut in Yadagiri, chilli in

Raichur, papaya in Koppal and fig in Bellary are being implemented with great interest through seven KVKs.

- Smt. Shobha Karandlaje, Minister of State for Agriculture and Farmers' Welfare, Hon'ble Union Minister of State for Agriculture and Farmers' Welfare laid the foundation stone of the Farmers' hostel building at KVK, Hagari on 14th November 2022 and appreciated the activities of the Centre.
- University of Agricultural Sciences, Raichur has organized the Krishi Mela on 10th - 12th January, 2023 at the Main Campus, Raichur with the theme "Essence of Millets - Basis for Life". Organic farming, natural farming, staples, value added food products, fish farming, floristry display, ornamental fish management, farm machinery, harvesting and post-harvest machinery, livestock display, precision farming real crop demonstration, literature and publications related to agriculture, will be covered in the said fair. A lot of emphasis was given and around 5 lakh people including farmers and public were participated.

AWARDS & RECOGNITION

It is a matter of happiness that many scientists, including the University, have been honored with awards for the continuous efforts of all the scientists/teachers of the University towards the development of the agricultural sector in this part.

- Our University of Agricultural Sciences won the "**National Siridhanya Award - Best Institution Award"** under the National Cereal Awards at the International Organic Cereal Fair held at Bangalore on January 20-22, 2023, which has enhanced the university's reputation.
- The National Assessment and Accreditation Council (**NAAC**) has granted **'B+ Grade'** accreditation to all the universities and colleges for the next 5 years which will give more emphasis and recognition to the academic programs.
- Our University's **"Internal Quality Assurance Cell"** was awarded the **'Shreshtha Kosha'** award in the National Workshop on Quality Assurance in Higher Education, which has enhanced the University's pride.

- The achievement of the university has been enhanced by the award of the **'Shreshtha Technical Education Award'** 2021 by the Institute of Agricultural Technical Engineers, New Delhi to the College of Agricultural Engineering, Raichur.
- Dr. B. K. Desai, Director of Research has been awarded the Global Personalities of ASIA Award – 2022 by the Global Brotherhood Forum, New Delhi and the Leading Educationist of India Award – 2022 by the Friendship Forum, New Delhi.
- Dr. Pramod Katti, Public Relations Officer, was honored with the Life Time Achievement Award of the International Foundation for Environment and Ecology at the 8th International Conference held at Bharatiyar University, Coimbatore on August 22-24, 2022.
- Dr. Jagrati B. Deshmanya, administrative officers, got the Best Teacher Award at the International Conference on Global Efforts on Agriculture Forestry, Environment and Food Security organized by Tribhuvan University in Pokhara, Nepal from September 17 to 19, 2022. Also, Hyderabad-based Lead India honored her with the Certificate of Excellence Power Women Award on March 8, 2022 and she is also a recipient of the Silver Celebration Award from the Raichur District Dalit Sahitya Parishad.
- Dr. Rajanna, Professor, Physical Education was honored with the State Level Best Administrator Award by the International Federation of Physical Education Fitness and Sports Science Association at the National Physical Education Workshop held at Osmania University Hyderabad on 10-12-2022.
- Dr. Yogesh L.N. Scientist, Agricultural Research Station, Hagari received the Best Scientist for Excellence in R & D on Millets Award at the International Organic Millets Fair held in Bangalore last week on 20-22nd January, 2023.
- Dr. Rajasekhara T. Basanayaka, Assistant Professor (Agricultural Extension), College of Agriculture, Kalaburagi has been honored with the Karnataka Rajyotsava Award for his work on agricultural resources by the Kannada department of Gulbarga University.
- Dr. Rajkumar Karve, Assistant Professor, Department of Physical Education, College of Agriculture, Kalaburagi was honored with the National Sports Research Excellence Award by the International Federation of Physical Education in Hyderabad on 10 December, 2022.

3. RESEARCH

New Research projects sanctioned

A total 350 research projects viz., IRRI: 1, RKVY: 5, ICAR Ad-hoc Projects: 02, GoI: 4, DST: 1, NFSM: 1, GoK: 2, ICAR-IIMR: 1, Indian Institute of Seed Science, Mau: 1, CRIDA: 1, NBB: 2, KSBDB: 2, NMOOP: 1, Special Component Plan (SCP), Karnataka: 2, NABARD: 2, WDPD: 1, REWARD: 1, PPP: 26, Other Projects: 50, SRP: 20, Testing of Chemicals / Varieties / Implements : 243, SCSP : 21, TSP: 8, have been sanctioned by various funding agencies with a total outlay of Rs. 4505.01799 lakhs.

Seed production

Seed Unit, UAS, Raichur produced a total of 13031 quintals of breeder seed, foundation seed, certified seed, truthfully labelled and seed village programme in different crops such as paddy, wheat, sorghum, maize, bajra, foxtail millet, prosomillet, barnyard millet, kodo millet, browntop, pigeonpea, greengram, blackgram, chickpea, groundnut, sunflower, soybean, safflower, Diancha and sunnhemp etc.

Seed Produced in quintals

Sl. No.	Class of Seed	(Quintals)
1	Nucleus Seed	63
2	Breeder Seed	1027
3	Foundation Seed	2664
4	Certified Seed	8278
5	Truthfully Labelled	999
	Total	**13031**

Bio-inputs productions

Bio-inputs produced and distributed to the farmers from UAS, Raichur (Institute of Organic Farming, Bio-control units/ ARS, Bheemarayanagudi and Kalaburagi)

Sl. No.	Particulars	Quantity Sold	Amount Earned (Rs. in Lakhs)
A. Bio-inputs			
1	Bio-fertilizers (kg)	5508.65	440692
2	Bio- control agents (kg)	16567.85	2485178
	Total (A)	**22076.50**	**2925870**
B. Organic manures (FYM/VC/EW)			
1	Vermi-compost (t)	46630.94	844675
2	Earthworms (kg)	317.37	198925
3	Vermiwash (l)	2076	207600
4	Compost (kg)	15000	45000
	Total (B)	**64024.31**	**1296200**

4. EXTENSION

1. Significant Achievements (Bullet points only)

- University of Agricultural Sciences, Raichur Organized **Krishi Mela** on the theme **"Essence of Millets : Basis for Life", for three days from 10th to 12th January, 2023** at Raichur campus in collaboration with the Department of Agriculture and allied development departments, More than 5.00 lakhs farmers are received information from agriculture stall exhibition, Flower fruits & vegetables, Matsya Mela, Livestock, Precision farming, Natural farming, Farm Machinery, Drone technology and other information have received and benefited in the Krishimela.
- Aspiration District Programme has been effectively implemented by UAS, Raichur through KVKs/AEECs/ARSs at **Yadgir** and **Raichur** district and are awarded as **first** and **third** position by Central government.

- e-SAP (Electronic Solutions against Agricultural Pests) is designed and developed by the University of Agricultural Sciences, Raichur which is implemented in the Karnataka State Govt. programme to provide pest surveillance and advisory services to the farmers in 40 agriculture and horticulture crops. The technology has reached to over 1,00,000 farmers and helped in timely management of pests, diseases, nutrition disorders and weeds. It is also included in the State Government flagship programme "Krishi Sanjivini".
- Diploma in Agricultural Extension Services for Input Dealers (DAESI) programme is organized by 4 KVKs and 3 AEECs of UAS, Raichur and utilizing these 416 agriculture input dealers as para-extension workers in agriculture extension service.
- Technical services provided through Krishi Vignana Kendras and Agriculture Extension Education Centre conducted 52 farm trials, 207 frontline demonstrations, 426 training programmes were been organized and 18,596 participants for viz farmers / farm women/ Rural Youth/ Extension Functionaries, 3516 Information sent through Whats App messages, 1341 Problematic fields visited by the Scientists, 12314 Farmers visited to KVKs/ AEECs. Providing technical guidance and support to 20 Farmer Producer Organization (FPO) under UAS, Raichur in the Kalyana Karnataka region.
- Under Raita Bandhu & capacity building Programme more than 300 vermicompost unit established
- Establishment of Stall fed sheep and goat farms (43 units) and commercial buffalo dairy farms(06) and technical advice and marketing linkage to stall fed sheep farmers.
  - Installed two large scale vermicompost units and four Natural farming units.
  - Seed production activities were carried out, During 2022-23, Nearly 305 quintals of Pigeonpea (GRG-811) certified & Foundation seeds and 3 quintals of Greengram(BGS-9) seeds were produced.
  - Large scale Bioagent seed treatment campaign on major pulses pigeonpea, chickpea, Greengram in Cluster and non cluster villages
  - Adhoc mode project on new area expansion in cashew worth of 6.0 lakhs (125 acre new plantation in non traditional area of cashew)
  - Up gradation of local female Non-Descript goats with Sirohi buck
  - Popularization of Red gram varieties GRG-811 and GRG-152, Greengram (DGGV-2) & Cowpea (DC-15)
  - Stall fed sheep units establishment – 121
  - Establishment of Input service centre at Shelligi under Shorapur Millet FPO
  - Establishment of Kenguri Pharmacy at Saidapur under kenguri Sheep FPO

- Establishment of nutri gardens in farms and schools
- Introduction of White Finger Millets & its value addition variety: KMR-340 in 5 ha.

2: Details of Nodal training centers and candidates enrolled for Diploma in Agricultural Extension Service for Input Dealers (DAESI) of SAMETI:

Sl. No.	Name of the Training Centre	No. of Input Dealers
1.	AEEC, Hadagali	40
2.	AEEC, Bheemarayanagudi	80
3.	AEEC, Lingasugur	36
4.	KVK, Kalaburagi	60
5.	KVK, Raichur	80
6.	KVK, Hagari	40
7.	KVK, Bidar	80
	Total	**416**

3: The details of FLDs demonstrations conducted

Sl. No.	Crop	Title of Technologies Demonstrated	Area covered
1.	ICM in Redgram	• Introduction of redgram nipping machine in Lingasugur, Maski and Sindhanur taluks • Introduction of pulse magic and chickpea magic in Lingasugur Maski and Sindhanur taluk • Encouraged and assisted for purchasing spiral grader for grading and Value Addition to redgram • 4 Introduction of redgram varieties GRG-152 and GRG-811 Seed treatment with bio-agents	22
2.	ICM in Bengal gram	Introduction of NBeG-49 Annigeri Super	08
3.	ICM in Green gram	Introduction of DGGV-2 and popularization of BGS-9	10
4.	ICM in Cowpea	Introduction of DC-15	05

5.	ICM in Sorghum	Introduction of M-35-1 and GS-23	31
6.	ICM in Foxtail Millet	Introduction of HN-46 and DHft 109-3	16
7.	ICM in Chilli	• Introduction of vegetable special and beveria basiana in Lingasugur and Maski taluka • Encouraged and assisted for purchasing chilli pounding machine for entrepreneurship ,Implementing pheromone and light traps	50
8.	ICM in Onion	• Encouraged and assisted for purchasing yellow sticky traps and fruit traps • Introduction of vegetable special in Lingasugur and Maski taluka	45
9.	ICM in Tomato	Encouraged and advised to utilize vermiwash, Yerejela, Metrazium, Beveria against soil born pest and diseases Fruit traps, yellow and blue sticky traps	39
10.	ICM in Paddy	• Motivation of farmers for adoption of DSR method in UKP area during kharif 2021-22 • Introduction of waste de composure in Lingasugur, Maski and Sindhanur talukas	86
11.	ICM in lime	Introduction of bio agents- Dharakshak, Paeciliomyces in Lingasugur, Maski and Sindhanur talukas	10
12.	Redgram	Improvement of farm productivity by intercropping in Redgram	5.0
13.	Vegetables	Vegetable special	10.0
14.	Chickpea	Chickpea special	10.0
15.	Guava	Nematode management	2.0
16.	Groundnut & Sugarcane	Rootgrub management by *Metarhizium*	5.0
17.	Soybean	Soybean as a alternate crop in Yadgir district	4.0
18.	Chilli	Chilli Sucking pest management & use of Bio-agents	4.0
19.	Redgram (GRG-811)	ICM in Redgram (GRG-811)	2.5
20.	Redgram (TS3-R)	ICM in Redgram (TS3-R)	2.5
21.	Bengalgram (JG-11)	ICM in Bengalgram (JG-11)	2.5
22.	Bengalgram	ICM in Bengalgram (GBM-2)	2.5

	(GBM-2)		
23.	Jowar (M-35-1)	ICM in Jowar (M-35-1)	2.5
24.	Redgram	Nipping in redgram	
25.	Redgram	Pulse magic demonstration in Redgram	2.5
26.	Bengalgram	Chickpea magic demonstration in Bengalgram	2.5
27.	Chilli	Beauveria bassiana & Verticillium lecanii demonstration in chilli against black thrips	2.5
28.	Foxtail Millet	Popularization of Foxtail millet	4.0
29.	Redgram	Popularization of Red gram intercropping system	4.0
30.	*Rabi* Jowar	Popularization in *rabi* Jowar	4.0
31.	Chickpea	ICM in chickpea (Foliar Spray)	2.0
32.	Onion	Management of pest & disease in Onion	2.0
33.	Sugarcane	IPM in Sugarcane variety: CO-86032	2.0
34.	Jasmine	IPM in Jasmine variety: Hadagali Jasmine	2.0
35.	Chilli	Use of bio-agents & pest in chilli cultivation variety: Byadgi Dabbi / Kaddi	2.0
36.	Sunflower	IPM in Sunflower variety: RSFH-1887	2.0
37.	Little Millet	Popularization of Little millet (Same)	05
38.	Paddy	Salinity management in Paddy	2.0
39.	Mango	Nutrient management in Mango	2.0
40.	White Finger Millet	Introduction of white finger millet and its value addition	4.0
41.	Vegetables	Demonstration of Nutrition Garden in Residential Schools	05
42.	Mushroom	Popularization of Mushroom demo units for SHG's.	05
43.	Groundnut	Groundnut stripper	01
44.	Jawar	Introduction of New Variety – TRJP-1-5	10.0
45.	Bengalgram	Introduction of New Variety – BGD-103	10.0
46.	Pigeonpea	The variety GRG 811 and TS 3 R	20.0
47.	Chickppea	MNK -1	5.0
48.	Safflower	IFS 764	6.0
49.	R. Sorghum	M 35 -1	5.0
50.	Navane	HMT 100	3.0
51.	Sugarcane	Metarhizium	11.0
52.	Dicoccum wheat	Dicoccum wheat variety DDK- 1029 for higher productivity	2.0
53.	Black gram	Demonstration of Blackgram variety BDU-12 for higher productivity	4.0

54.	Sugarcane	Sugarcane trash decomposition through in situvermiculturing	8.0
55.	Mango	Eco friendly management of flower drop in Mango	10.0
56.	Chilli	Demonstration of high yielding Chilli hybrid ArkaKyati	1.0
57.	Ridge gourd	Demonstration of high yielding and nutri fortified ridge gourd hybrid ArkaPrasanna	1.0
58.	Nutri Garden	Establishment of Nutritional garden in schools	-
59.	Rose	Demonstration of new popular Rose variety ArkaSavi for higher productivity	1.0
60.	Ginger	Demonstration of good horticultural practices in ginger	6.0
61.	Super Grain Bags	Super Grain Bags-for storage of food grains and seeds	10.0
62.	Goat	Demonstration of different mineral mixture for osmanabadi goats on growth performance in semi stall fed goat farm	10.0
63.	Goat	Demonstration of different mineral mixture for osmanabadi goats on growth performance in semi stall fed goat farm	10.0
64.	Fodder	Establishing fodder cafeteria for stall fed goat farms	5.0
65.	Dairy	Integrated Dairy Management	10.0
66.	Goat/Sheep	Silage Bags for silage production for stall fed goat /sheep units.	10.0
67.	Dairy	Management of mastitis in diary animals	5.0
68.	Fishery	Growth performance of stunted fingerlings in short durational seasonal ponds	10.0
69.	Watermelon	ICM In Water Melon	2.0
70.	Pigeonpea	Demonstration of pigeon pea new variety GRG-152 for higher productivity	4.0
71.	Cotton	Leaf reddening and foliar nutrition management in Cotton	4.0
72.	Cotton	Integrated pest and disease management in Bt-Cotton	4.0
73.	Wheat	Demonstration of wheat variety UAS-304 for higher productivity	2.0
74.	Blackgram	Demonstration of summer blackgram new variety TRCRU-22 for higher productivity	2.0
75.	Greengram	Demonstration of summer greengram new variety	2.0

		TRCRM-147 for higher productivity	
76.	Chilli	Management of Invasive thrips, Thrips parvispinus (army) in chilli	4.0
77.	Tomato	Integrated Management of pinworm in Tomato	2.0
78.	Sorghum	Integrated approaches for fall armyworm management in Sorghum	4.0
79.	Chickpea	Demonstration of chickpea variety Supper annigeri	4.0
80.	Ridge Gourd	Demonstration of high yield and nutrient fortified variety in ridge gourd	1.0
81.	Acid Lime	ICM in Acid lime	4.0
82.	French Bean	Popularization of string less French bean variety Arka sharat	2.0
83.	DSR paddy	Eco-friendly management of major pests and diseases in DSR	4.0
84.	Maize	Integrated pest and disease management in maize	4.0
85.	Maize	Soil test based fertilizer application in maize	4.0
86.	Rabi sorghum	ICM in rabi sorghum	4.0
87.	Groundnut	Management of sulphur, zinc and iron deficiency in Groundnut	4.0
88.	Groundnut	Integrated pest and disease management in Groundnut	4.0
89.	Chickpea	Management of major diseases in Chickpea	4.0
90.	Chilli	Demonstration of high yielding hybrid chilli resistant to powdery mildew and tolerant to murda complex	4.0
91.	Chilli	Management of Black flower thrips in Chilli	4.0
92.	Chilli	Integrated disease management in chilli	4.0
93.	Onion	Demonstration of weed, purple blotch and thrips management in Onion	4.0
94.	Tomato	Demonstration of multiple disease resistant hybrid and pinworm management in Tomato	2.0
95.	Fig	ICM in Fig	4.0
96.	Banana	IPDM in Banana	4.0
97.	Jasmine	Management of bud worm and eriophyid mite in jasmine	4.0
98.	Fodder crop	Establishing legume type perennial forages in forest area and/or in adjoining buffer zones	-
99.	Fodder crop	Demonstration of perennial forage types for enhancing dairy production.	-

100.	Dairy animals	Good practices of female calf rearing to achieve optimum growth and early maturity.	-
101.	Sheep	Strategic health care practices in grazing sheep flock from weaning till the age of maturity	-
102.	Nutri-garden	Demonstration of Nutri-farms for year round nutrition security among farm families	-
103.	EDP	Home-scale enterprise with Banana and its value added products	-
104.	EDP	Home-scale enterprise with fig and its products	-
105.	Paddy	Demonstration of organic paddy cultivation in transplanted rice	4.0
106.	Paddy	Demonstration of Tungabhadra Sona (GNV 1801) to enhance higher productivity	4.0
107.	Paddy	Demonstration of direct seeded rice	4.0
108.	Paddy	Demonstration of weed management in paddy	4.0
109.	Paddy	Demonstration of nano-nitrogen and nano zinc for enhancing the productivity and profitability in paddy	4.0
110.	Paddy	Demonstration of salt tolerant paddy variety GNV 1109 for enhancing productivity in saline soils	4.0
111.	Paddy	Demonstration of site specific nutrient management in paddy	4.0
112.	Paddy	Demonstration of drum seeder in wet land condition	4.0
113.	Paddy	Demonstration of Integrated management of yellow stem borer in summer paddy	4.0
114.	Groundnut	Demonstration of groundnut variety – Kadari Lepakshi 1812 with IPDM practices for higher productivity	4.0
115.	Mango	Demonstration of good management practices (GMPs) in mango for higher productivity	2.0
116.	Pomegranate	Demonstration of novel microorganism (*Penicillium pinophilum*) for nutrient management in pomegranate fruit crop and to reduce wilt incidence	4.0
117.	Guava	Eco friendly management of wilt complex in guava to enhance yield	4.0
118.	Banana	ICM in Banana	4.0
119.	Banana	Demonstration of Yalakki banana propagated through macro propagation	1.2
120.	Chilli	Demonstration of high yielding chilli hybrid Arka Khyati with integrated black thrips (Thrips	4.0

		pervispinus) management	
121.	Tomato	Management of fruit borer, pin worm and early blight in tomato	4.0
122.	Ridgegaurd	Demonstration of high yielding nutrient fortified ridgegaurd hybrid Arka Prasan	2.0
123.	Rose	Demonstration of New popular Rose variety Arka Savi for higher productivity	0.8
124.	Nipping machine	Demonstration of solar operated nipping machine for chickpea for drudgery reduction	10
125.	Cereals and Pulses	Demonstration of low cost improved seed bags for storage of food grains for enhancing shelf life	4 No.
126.	Pearl millet	Promotion of biofortified pearl millet hybrid VPMH-14 to address anemia in women and children	4.0
127.	Fertilizer feeder	Demonstration of portable fertilizer feeder equipment for uniform application & drudgery reduction	10.0
128.	Nutri-garden	Demonstration of nutri-garden for year round nutrition security among farm families	-
129.	Dairy	Demonstration of masti guard for management of mastitis in cross bred dairy cows	-
130.	Dairy	Demonstration of 10 cents model fodder plot for dairy farming	-
131.	Dairy	Prevention & control of Milk fever in Cross Breed Cow	-
132.	Pigeonpea	Ridge and Furrow cultivation of Pigeonpea for Moisture Management	5.0
133.	Blackgram	Stem Fly Management in Blackgram	5.0
134.	Greengram	Management of Dry Root Rot in Greengram	5.0
135.	Soybean	Integrated Nutrient Management in Soybean	2.0
136.	Soybean	Demonstration on management of seedling blight disease in Soybean through seed treatment	5.0
137.	Maize	Demonstration of Nano-Nitrogen and Nano- Zinc Fertilizers for Growth and Yield of Maize	2.0
138.	Custard Apple	Crop Regulation in Custard Apple (*annona reticulata* l.) for quality fruits	2.0
139.	Drumstick	ICM in Drumstick for Yield Enhancement	2.0
140.	Ginger	ICM in Ginger	4.0
141.	Chilli	Demonstration of New Variety Resistant To Leaf Curl Virus in Chilli	1.0

142.	Rose	Integrated Crop Management in Rose	2.0
143.	Cotton	Management of *Cercospora* & *Alternaria* Leaf Spots in Cotton	5.0
144.	Tomato	Management of Early Blight Disease in Tomato	5.0
145.	Cross Bred Dairy Cows	Demonstration of *Masti Guard f*or Prevention & Control of Sub Clinical Mastitis in Cross Bred Dairy Cows	-
146.	Fodder	Demonstration of 10 Cent Model Fodder Plot for Dairy Farming	0.4
147.	Dairy	Integrated Dairy Management	-
148.	Sorghum	Management of Smut Disease in Sorghum	5.0
149.	Sugarcane	Effective use of Nitrogen Fertilizer in Sugarcane using LCC	5.0
150.	Sugarcane	Integrated Nutrient Management in Sugarcane	2.0
151.	Sweet Potato	Demonstration of New Variety of Sweet Potato	1.0
152.	Watermelon	Management of Fruit Cracking in Watermelon	4.0
153.	Sugarcane	Eco-friendly Pest Management in Sugarcane	5.0
154.	Tomato	Integrated Management of South American Tomato Moth (Tuta Absoluta) and Fruit Fly	2.0
155.	Cucumber	Management of Anthracnose & Downy Mildew of Cucumber	5
156.	Buffaloe	Thermal Stress Management in Buffaloes	-
157.	Buffaloe	Demonstration of different technologies on augmenting fertility in Dairy Buffaloes	-
158.	Goat	Demonstration of different mineral mixture for Osmanabadi goats on growth performance in semi stall fed goat farms	-
159.	Paddy	Demonstration of DSR paddy under organic system	2.0
160.	Paddy	Water management (AWD) in paddy	4.0
161.	Foxtail millet	Demonstration of high yielding Foxtail millet Var. HN-46	4.0
162.	Groundnut	Integrated pest and disease management in groundnut	4.0
163.	Chickpea	Demonstration of high yielding chickpea variety (Super Annigeri-1)	4.0
164.	Chilli	Integrated Pest and Disease (wilt) Management in Chilli	4.0
165.	Brinjal	Integrated management of Shoot & fruit borer in Brinjal	2.0

166.	Tomato	Management of pinworm & blight in Tomato	4.0
167.	Ridgegourd	Management of fruitfly using plant volatiles in ridgegourd	4.0
168.	Guava	Demonstration of nematode management in Guava	2.0
169.	Chilli	Demonstration of Arka Microbial Consortia in Chilli	8.0
170.	Mango	Integrated Crop Management in Mango	2.0
171.	Pomegranate	Integrated Crop Management in Pomegranate	2.0
172.	Betelevine	Integrated Crop Management in Betelevine	2.0
173.	Buffaloes	Thermal stress management in Buffaloes	10 Buffaloes
174.	Dairy Cows	Demonstration of Masti Guard for Prevention & Control of Sub Clinical Mastitis in Cross Bred Dairy Cows	20 Cows
175.	Fodder	Establishing fodder banks in sheep and goat rearing	2.0
176.	Buffalo	Demonstration of Pro Sync-NC- Progesterone Nano cream Hormone for augmenting fertility in dairy Buffaloes	20 Buffaloes
177.	Solar drier	Assessment of drying of Red Chillies in Solar drier and sunlight	10 Demo
178.	Baler for paddy	Popularization of tractor operated baler for paddy straw management	10 Demo
179.	Fertilizer feeder	Demonstration of Portable Fertilizer feeder equipment for uniform application & drudgery reduction	10 Demo
180.	Chilli	Demonstration of high yielding hybrid resistance to powdery mildew and tolerant to murda complex in chilli	4.00
181.	Tomato	Demonstration of multiple disease resistant hybrid and pinworm management in Tomato	2.00
182.	Onion	Management of weed, purple blotch and thrips in Onion	4.00
183.	Onion	Demonstration of high yielding variety for late kharif in onion	2.00
184.	Fig	Integrated crop management in Fig	4.00
185.	Okra	Demonstration of YVMV resistant variety in okra	2.00
186.	Ridge gourd	Demonstration of early flowering and nutrient fortified variety in ridge gourd	2.00
187.	Bottle gourd	Demonstration of ArkaNutan for *gummy stem blight* resistance in bottle gourd	2.00

188.	Paddy	Demonstration of laser levelling technology on crop yield and water use efficiency in Paddy	4.00
189.	Paddy	Eco-Friendly Pests Management in paddy ecosystem	4.00
190.	Sorghum	Demonstration of compartment bunding as soil moisture conservation practices in greengram followed by sorghum	4.00
191.	Chickpea	Demonstration of Solar Operated Nipping (Foliage Collector) Machine in Chickpea	4.00
192.	Chickpea	Eco-Friendly Management of Pod borer in chickpea	4.00
193.	Groundnut	Demonstration of groundnut harvester & BBF for resource conservation in groundnut crop	4.00
194.	Watermelon	Demonstration of raisedbed & plastic mulch for water saving in watermelon	4.00
195.	Onion	Demonstration of high yielding variety for *Kharif* in onion	2.00
196.	Chilli	Integrated Pest Management in Chilli Murda complex	4.00
197.	Chilli	Demonstration of high yielding Chilli hybrid-UASRCh42	2.00
198.	Tomato	Integrated Management of Pin worm *(Tuta absoluta)* in Tomato	2.00
199.	ridge gourd	Demonstration of high yield and nutrient fortified variety in ridge gourd	2.00
200.	Mango	Integrated Approaches for Management of Fruit Fly and nutrient solution for mango flower bud initiation	4.00
201.	Guava	ICM in Guava	4.00
202.	Livestock	Thermal stress management in buffaloes	10
203.	Livestock	Establishment of fodder bank for livestock	10
204.	Aquaculture	Composite fish farming in farm ponds	10
205.	Livestock	Demonstration of *Masti guard* for prevention & control of sub clinical mastitis in cross bred dairy cows	10
206.	Livestock	Broiler sheep production system	10
207.	Livestock	Demonstration of Nano cream Hormone for Pro Sync-NC- progesterone in Buffaloes	10
208.	Paddy	Demonstration of DSR paddy under organic system	2.0
209.	Paddy	Water management (AWD) in paddy	4.0

210.	Foxtail millet	Demonstration of high yielding Foxtail millet Var. HN-46	4.0
211.	Groundnut	Integrated pest and disease management in groundnut	4.0
212.	Chickpea	Demonstration of high yielding chickpea variety (Super Annigeri-1)	4.0
213.	Chilli	Integrated Pest and Disease (wilt) Management in Chilli	4.0
214.	Brinjal	Integrated management of Shoot & fruit borer in Brinjal	2.0
215.	Tomato	Management of pinworm & blight in Tomato	4.0
216.	Ridgegourd	Management of fruitfly using plant volatiles in ridgegourd	4.0
217.	Guava	Demonstration of nematode management in Guava	2.0
218.	Chilli	Demonstration of Arka Microbial Consortia in Chilli	8.0
219.	Mango	Integrated Crop Management in Mango	2.0
220.	Pomegranate	Integrated Crop Management in Pomegranate	2.0
221.	Betelevine	Integrated Crop Management in Betelevine	2.0
222.	Buffaloes	Thermal stress management in Buffaloes	10 Buffaloes
223.	Dairy Cows	Demonstration of Masti Guard for Prevention & Control of Sub Clinical Mastitis in Cross Bred Dairy Cows	20 Cows
224.	Fodder	Establishing fodder banks in sheep and goat rearing	2.0
225.	Buffalo	Demonstration of Pro Sync-NC- Progesterone Nano cream Hormone for augmenting fertility in dairy Buffaloes	20 Buffaloes
226.	Solar drier	Assessment of drying of Red Chillies in Solar drier and sunlight	10 Demo
227.	Baler for paddy	Popularization of tractor operated baler for paddy straw management	10 Demo
228.	Fertilizer feeder	Demonstration of Portable Fertilizer feeder equipment for uniform application & drudgery reduction	10 Demo
229.	Paddy	Demonstration of laser levelled land levelling technology on crop yield and water use efficiency in Paddy.	04
230.	Greengram	Demonstration of Compartment bunding as soil moisture conservation practices in green gram & sorghum.	04
231.	Chickpea	Demonstration of Solar Operated Nipping (Foliage Collector) Machine in Chickpea.	04
232.	Groundnut	Demonstration of groundnut harvester & BBF for resource conservation in groundnut crop.	04

233.	Watermelon	Demonstration of raised bed & plastic mulch for water saving in Watermelon.	04
234.	Paddy	Eco-Friendly Management pests in paddy ecosystem	04
235.	Chickpea	Eco-Friendly Management of Pod borer in chickpea	04
236.	Chilli	Integrated Pest Management in Chilli	04
237.	Tomato	Integrated Management of Pin worm *(Tuta absoluta)* in Tomato	04
238.	Chilli	Demonstration of high yielding hybrid resistance to powdery mildew and tolerant to murda complex in chilli	04
239.	Tomato	Demonstration of multiple disease resistant hybrid and pinworm management in Tomato	04
240.	Onion	Management of weed, purple blotch and thrips for late Kharif in Onion	04
241.	Onion	Demonstration of high yielding variety for late Kharif in onion	04
242.	Okra	Demonstration of YVMV resistant variety in Okra	04
243.	Ridgegourd	Demonstration of early flowering and nutrient fortified variety in ridge gourd	04
244.	Bottlegourd	Demonstration of Arka Nutan for gummy stem blight resistance in bottle gourd	04
245.	Mango	Integrated nutrient and fruit fly management in Mango	04
246.	Dairy	Thermal stress management in buffaloes	-
247.	Fodder	Establishment of fodder bank for livestock	04
248.	Fish	Composite fish farming in farm ponds	-
249.	Dairy	Demonstration of *Masti guard* for prevention & control of sub clinical mastitis in cross bred dairy cows	-
250.	Red gram (GRG-152)	Adoption of new variety & Nipping technology & Application of pulse magic micronutrient mixture	2.8 ha
251.	Red gram (GRG-811)	Adoption of new variety & Nipping technology & Application of pulse magic micronutrient mixture	3.2 ha
252.	Red Gram (TS-3R)	Application of pulse magic micronutrient mixture & Nipping technology	3.2 ha
253.	Green gram (BGS-9)	Adoption of new variety, Application of pulse magic micronutrient mixture	02 ha
254.	Green gram (DGGV-2)	Adoption of new variety & use of bio-fertilizer and bio-pesticides	02 ha
255.	Foxtail Millet (HMT-1001)	Adoption of new variety & use of bio-fertilizer and bio-pesticides	04 ha
256.	Chilly	Use of vegetable special, bio pesticide beauveria bassiana & installation of pheromone & yellow sticky traps	04 ha

257.	Onion	Use of vegetable special, Neem cake, Trichoderam & installation of pheromone & yellow sticky traps	04 ha
258.	Tomato (Arkarakshak)	Use of vegetable special, Adoption of new varieties & Staking techniques	04 ha
259.	Watermelon (Private hybrids)	Use of vegetable special, installation of yellow sticky traps	05 ha
260.	Bengal gram (JG-11)	Use of Chickpea magic	3.2 ha
261.	Sorghum (M35-1)	Use of bio-fertilizer and bio-pesticides	13.2 ha
262.	Cowpea (DC-15)	Adoption of new variety & use of pulse magic micronutrient mixture	02 ha
263.	ICM in *rabi* Jowar	GS-23	4.0
264.	ICM in chickpea (Foliar Spray)	BGD-103	2.0
265.	INM in sunflower	RSFH-1887	2.0
266.	IPM in Sugarcane	CO-86032	2.0
267.	IPM in Jasmine	Hadagali Jasmine	2.0
268.	Popularization of Mushroom demo units for SHG's	Oyster mushroom	10kg
269.	Nutrient management in Mango	Alpano	2.0
270.	Jowar	Introduction of new variety (TRJP-01-05)	04
271.	Chickpea	Introduction of new variety (BGD-103)	04
272.	Pigeon pea	Improvement of farm productivity by intercropping	5.0
273.	Chickpea	Use of chickpea special	10.0
274.	Chilli	Nematode management	2.0
275.	Pigeon pea & Cotton	Root grub management	5.0
276.	Soybean	Soybean as an intercrop in red gram in Yadgir district	4.0
277.	Chilli	Sucking pest management and use of bio agents	4.0
278.	Redgram (GRG-811)	ICM in Redgram (GRG-811)	2.5
279.	Redgram (TS3-R)	ICM in Redgram (TS3-R)	2.5
280.	Bengalgram (JG-11)	ICM in Bengalgram (JG-11)	2.5
281.	Bengalgram (GBM-2)	ICM in Bengalgram (GBM-2)	2.5

282.	Jowar (M-35-1)	ICM in Jowar (M-35-1)	2.5
283.	Redgram	Nipping in redgram	
284.	Redgram	Pulse magic demonstration in Redgram	2.5
285.	Bengalgram	Chickpea magic demonstration in Bengalgram	2.5
286.	Chilli	Beauveria bassiana & Verticillium lecanii demonstration in chilli against black thrips	2.5

4. Details of On Farming Testing conducted

Sl. No.	Crop	Title of On Farming Testing	No. of Trials
1.	Maize and Sunflower	Introduction of maize-sunflower Cropping system in Vertisol	1.0
2.	Cotton	Weed management in cotton	2.0
3.	Cotton	Management of sucking pest and bollworms in cotton	1.0
4.	Cotton	Management of cotton sucking pests by Dimpropyridaz 120 SL	2.0
5.	Paddy	Integrated weed management in direct seeded rice	2.0
6.	Pigeonpea	Assess the production potential of pigeonpea based cropping systems	2.0
7.	Soybean	Weed management in Soybean by post emergence herbicide	2.0
8.	Soybean	Weed management in Soybean by pre emergence herbicide	2.0
9.	Soybean	Bio-efficacy of Atabron (Chlorofluzuron 5.4 % EC) on major lepidopteran defoliators of Soybean	2.0
10.	Cotton	Management of sucking insect pests of Cotton by Broflanilide (Brofreya) 20 % SC	1.0
11.	Tomato	Management of early and late blight diseases of tomato	2.0
12.	Guava	Management of nematode wilt in guava caused by *Meloidogyne enterolobi*	2.0
13.	Pigeonpea	Management of *Alternaria* leaf blight in pigeonpea using funicides	2.0

14.	Chickpea	Management of chickpea rust caused by *Uromyces ciceri-arietini (Grogon) Jacz. &* Boyer	2.0
15.	Greengram	Effect of *Rhizobium* stains on nodulation and yield of Greengram	1.0
16.	Blackgram	Effect of Rhizobium strains on nodulation and yield of Blackgram	1.0
17.	Cowpea	Physiological approaches for drought mitigation in cowpea (*Vigna unguiculata* L.)	1.0
18.	Cotton	Management of sucking insect pests of cotton by broflanilide 20%SC (brofreya)	1.0
19.	Tomato	Management of sucking insect pests and fruit borer of tomato by broflanilide 20%SC (brofreya)	1.0
20.	Chilli	Management of sucking insect pests of chilli	1.0
21.	Tomato	Management of early & late leaf blight diseases of tomato	2.0
22.	Pigeonpea	Management of alternaria leaf blight in pigeonpea using fungicides	2.0
23.	Maize & sunflower	Introduction of maize sunflower cropping system in vertisol	1.0
24.	Pigeonpea	Management of pod borers in pigeopnpea using IGR green molecule chlorfluzuron 5.4% EC	2.0
25.	Chickpea	Management of pod borer in chickpea	2.0
26.	Pigeonpea	Management of pod borers in pigeopnpea using combi product teflubenzuron 75g+ α- Cypermethrin 75g	1.0
27.	DSR	Seed treatment with chlorantraniliprole 62.5%ES @ 5ml/kg seeds against YSB & leaf folder	1.0
28.	Safflower	Assessment of Safflower varieties for higher productivity	3.0
29.	Soybean	Assessment of Soybean varieties for higher productivity	3.0
30.	Poultry	Assessment of dietary supplements of fresh and dry azolla on the performance of backyard poultry bird	5.0
31.	Safflower	Assessment of safflower varieties for higher productivity	3.0
32.	Groundnut	Assessment of groundnut varieties for higher productivity	3.0
33.	Chilli	Assessment of chilli varieties for higher productivity and disease tolerance.	3 .0
34.	Okra	Assessment of high yielding okra hybrids	5.0
35.	Chickpea	Assessment of technology for correction of Sulphur and Zinc deficiency in chickpea	5.0
36.	Chickpea	Assessment of new chickpea varieties for yield and mechanical harvesting	3.0

37.	Chickpea	Assessment of improved varieties for wilt and rust in Chickpea	3.0
38.	Paddy	Assessment of Nano fertilizer (N & Zn) on Growth and Yield of paddy	5.0
39.	Poultry	Assessment of dietary supplementation of fresh and dried azolla on the performance of backyard poultry	5.0
40.	Pigeonpea	Assessment of planting methods in Pigeonpea for Moisture stress and weed management	2.0
41.	Chickpea	Assessment of technology for correction of sulphur deficiency in chickpea	5.0
42.	Chickpea	Varietal assessment for dry root rot incidence in chickpea	2.0
43.	Soybean	Assessment of Soybean genotypes for high grain yield under rainfed situation in Kharif	5.0
44.	Sesame	Assessment of Sesame genotypes during Summer under irrigated condition	5.0
45.	Sugarcane	Assessment of Sugarcane red rot management through sett treatment	5.0
46.	Onion	Assessment of different methods of cultivation of Onion	2.0
47.	Paddy	Effect of Nano N fertilizer on growth and yield of paddy	3.0
48.	Cotton	Effect of Nano N fertilizer on growth and yield of cotton	3.0
49.	Paddy	Assessment of Blackgram variety as a alternate crop in paddy fallow	5.0
50.	Poultry bird	Assessment of dietary supplements of fresh and dry azolla on the performance of backyard poultry bird	5.0
51.	Cowpea	Assessment of cowpea varieties suitable for paddy fallow field.	5.0
52.	Paddy fallows	Assessment of paddy – pulses cropping system	5.0

5: Details of training programmes

(Training Programmes for farmers / farm women/ Rural Youth/ Extension Functionaries)

Sl. No.	Title of Training	Date	Place	Number of participants
1.	PM Live streaming programme	08/05/2022	AEEC Lingasugur	46
2.	Importance of green manuring crops in agriculture	17/05/2022	AEEC Lingasugur	47
3.	Importance of seed treatment for kharif crops	24/05/2022	Muslikarlakunte	44
4.	Entrepreneurship development training for farm women	13/06/2022	Jagir nandihal	30

5.	Workshop on cotton	17/06/2022	AEEC Lingasugur	53
6.	Training for input dealers of Lingasugur taluk	01/07/2022	AEEC Lingasugur	44
7.	Integrated pest and disease management in sunflower and cotton	20/07/2022	Machanur	41
8.	Processing and value addition techniques for oilseeds	21/07/2022	AEEC Lingasugur	41
9.	Training on nutrition garden and balanced diet for farm women	02/08/2022	Chikkaupperi	55
10.	ICM in chilli and value addition	24/08/2022	Medikinal	42
11.	ICM in cotton and chilli and	08/09/2022	Goudoor	42
12.	World rabies day and importance of vaccination for livestock animals	28/09/2022	AEEC Lingasugur	41
13.	World food day	15/10/2022	Ankushdoddi	28
14.	Krishinirata mahila dinacharane	04/12/2022	Niralakeri	45
15.	World soil day	05/12/2022	Nagalapur	42
16.	Fieldday on redgram (GRG-811)		Nagaral	46
17.	Kisan goshti	8/12/2022	AEEC Lingasugur	27
18.	Importance of millets	27/12/2022	Maski	85
19.	World farmers day	23/12/2022	AEEC Lingasugur	33
20.	Workshop on pomogranate	28/12/2022	AEEC Lingasugur	38
21.	Importance of Millets and balanced diet for	05/01/2023	Karadakal	60
22.	Balanced diet for pregnant and lactating mothers	06/01/2023	Pinchanipura, Lingasugur	17
23.	Field day on jowar	01/02/2023	Medinapur	25
24.	Processing and value addition of pulses	08/02/2023	AEEC Lingasugur	51
25.	Field day on bengalgram	03/02/2023	Vyakaranal	29
26.	Nematode disease management	12/05/2022	On Campus	31
27.	Cotton & Paddy Seminar	08/07/2022	Off Campus, Village: Gogi	25
28.	Cotton Seminar	22/07/2022	Off Campus, Village: Doranahalli	35
29.	Cotton seminar & Cotton growers meet	11/08/2022	On Campus	201

30.	ICM in Cotton	23/08/2022	On Campus	27
31.	Cotton production technology in rain affected crops	14/09/2022	Off Campus , Village: Tekaral	25
32.	Integrated farming system	21/09/2022	On Campus	22
33.	Role of Agricultural subsidiary enterprises in rural employment generation	22/09/2022	On Campus	28
34.	ICM in rain affected Cotton	24/09/2022	On Campus	28
35.	Production technology of Rabi crops	04.11.2022	On Campus	26
36.	Importance and Value addition of Millets	24.11.2022	On Campus	27
37.	World soil day	05.12.2022	Village: Kodekal	47
38.	Farmers day	28.12.2022	On Campus	25
39.	Importance of soil & water testing before pre-monsoon	07-04-2022	Heggadadinni	26
40.	Pre-monsoon agricultural activities	18-04-2022	Boodinal	27
41.	Post-harvest activities in preservation of seeds	13-05-2022	Sooladagudda	26
42.	Management of storage insect pests	21-05-2022	Talavaradoddi	29
43.	Method of usage & importance of seed treatment in different kharif crops	30-05-2022	Bandegudda	27
44.	Method of usage & importance of seed treatment in different kharif crops	07-06-2022	Jambaladinni	26
45.	Integrated crop management in cotton	26-06-2022	Shanarabandi	26
46.	Farmers income doubling	14-07-2022	Navilagudda	26
47.	Integrated crop management in redgram	11-08-2022	Lingadalli	41
48.	Integrated sucking pest management in cotton	24-08-2022	Kyadigera	44
49.	Management of PBW in cotton	17-10-2022	Khanapur	45
50.	Nipping in redgram	21-10-2022	Kotigudda	43
51.	Usage of pulse magic in redgram	22-10-2022	Myakaladoddi	36
52.	Integrated crop management in chilli	28-10-2022	Adakalagudda	28

53.	Management of murda complex in chilli	02-11-2022	Gabbur	30
54.	Method of usage & importance of seed treatment in different rabi crops	14-11-2022	Palakanamaradi	26
55.	Redgram field day	18-11-2022	Kurkalli	44
56.	Farmers income doubling	29-11-2022	Alkod	26
57.	World soil day	05-12-2022	Devadurga	46
58.	Fall army worm management in sorghum	13-12-2022	Herundi	27
59.	Farmers day	23-12-2022	Ganadhal	40
60.	chickpea field day	17-01-2022	Koppar	42
61.	Farmers income doubling	18-01-2022	B.Ganekal	27
62.	Sorghum field day	30-01-2022	Hemanur	43
63.	Cashew production technology and kharif crop production technologies	26–07–2022	AEEC Hadagali	45
64.	Cashew production technologies	07–11–2022	AEEC Hadagali	62
65.	District level seminar on Cashew cultivation	28–11–2022	AEEC Hadagali	210
66.	World soil health day	05–12–2022	AEEC Hadagali	68
67.	Kharif crop production technology	14–06–2022	Ragi Masalawada	24
68.	Income Generating Activities for SHG Groups and IPM practices in Maize	14-09-2022	Chirastahalli	39
69.	Preparation of Millet recipes and its importance	19-09-2022	Holalu	89
70.	Extraction of soya milk and preparation of soya paneer	26-09-2022	Hyarada	33
71.	Integrated Pest & Disease management in Paddy	29-09-2022	Hosalli	32
72.	Ragi Field Day	27-01-2023	Hyarada	35
73.	Capacity building of FPCL nominated Directors	31.05.2022	AEEC, Koppal	32
74.	Farmers discussion on doubling the farmers income	27.06.2022	AEEC, Koppal	35
75.	Cultivation practices in Chickpea & Groundnut	18.10.2022	Kudaremoothi	58

76.	Agriculture Education Day	03.12.2022	AEEC, Koppal	39
77.	Womens Day in Agriculture	04.12.2022	AEEC, Koppal	27
78.	Soil Health Day –and its Importance in Agriculture	05.12.2022	AEEC, Koppal	74
79.	Farmers Day and importance of Agro-forestry - Bamboo & Sandalwood	26.12.2022	AEEC, Koppal	110
80.	Importance of seed treatment	23.06.2022	AEEC, Nalwar	34
81.	Root grub management in sugarcane	15.09.2022	Tunnur village	9
82.	Management of flood affected area	28.09.2022	AEEC, Nalwar	08
83.	Agricultural Education in India and Karnataka	03.12.2022	AEEC, Nalwar	10
84.	Soil fertility management for sustainable Agriculture	05.12.2022	AEEC, Nalwar	17
85.	Integrated Farming System	23.12.2022	AEEC, Nalwar	32
86.	Participation of Farmers in Krishimela at UAS, Raichur	11.01.2023	UAS, Raichur	17
87.	Agricultural education in India and Karnataka	17.012.23	AEEC, Nalwar (Govt women PU college, Yadgir)	15
88.	Improved agronomic practices for cultivation of chickpea	18.01.2023	AEEC, Nalwar	14
89.	Improved Agronomic practices for safflower	18.01.2023	AEEC, Nalwar	14
90.	Quality milk production	8-04-2022	Malakapur wadi	47
91.	Kisan Bhagidari - Prathmikta Hamari Campaign	26.04.2022	KVK Bidar	318
92.	Modern dairy farming	30-04-2022	Kuthabad	85
93.	Importance of fodder production in dairy farming	15-05-2022	Gadawanthi	37
94.	Scientific goat farming	23-05-2022	Chambole	66
95.	Manufacturing of milk and milk products	6-06-2022	Isalampur	36
96.	ICM in Soybean	12.07.2022	Madnoor Village	50
97.	value addition of fruits and vegetables	14.07.2022	KVK Bidar	36
98.	ICM in Ginger	22.07.2022	Sultanbad Wadi	50

99.	ICM In Mango	05.08.2022	KVK Bidar	50
100.	Fodder Cafeteria	05.08.2022	Katti Tougaon Village	50
101.	ICM in Blackgram	08.08.2022	Morambi Village	48
102.	ICM in Redgram	17.08.2022	Gutti Village	52
103.	Income generating activity	17.08.2022	KVK Bidar	43
104.	Capacity building training on sustainable agriculture	17.08.2022	KVK Bidar	46
105.	ICM in Soybean	18.08.2022	Madnoor Village	73
106.	ICM in Greengram	19.08.2022	Tarnalli Village	49
107.	Nutrigarden awareness to rural women	23.08.2022	Godampalli Village	29
108.	Importance of Biofuel	24.08.2022	KVK Bidar	32
109.	Integrated Dairy Management	26.08.2022	KVK Bidar	50
110.	ICM in Greengram	26.08.2022	Taranalli village	53
111.	IPM in Cotton	05.09.2022	KVK Bidar	80
112.	IDM in Dairy Animals	13.09.2022	Dhannur(K)	50
113.	Poshan Abhiyan	17.09.2022	KVK Bidar	98
114.	Nutrigarden training and demonstration at School	20.09.2022	Ballur Village	42
115.	IPM in Cotton	23.09.2022	Khajapur Village	95
116.	ICM in Blackgram	23.09.2022	Morambi Village	50
117.	ICM in Niger	24.09.2022	Khanapur	60
118.	Clean Milk Production	24.09.2022	Dhannur(R)	48
119.	Pre Rabi Activities	26.09.2022	ARS Bidar	112
120.	Nutrigarden Awareness training at Kendriya Vidyalaya School	27.09.2022	Chidri	65
121.	Enrichment of Fodder	27.09.2022	Handral Village	50
122.	Nutrigarden training at school	30.09.2022	Bagdal	73
123.	ICM In Soybean	08.10.2022	Madnoor	61
124.	Sanjeevani-Karnataka State Rural Livelihood Promotion Society Department of Skill Development, Entrepreneurship and Livelihood (Krishi SAkhi)	10.10.2022 to 15.10.2022	KVK Bidar	50
125.	Climate smart agriculture	22.10.2022	Noubad	78

126.	Sanjeevani-Karnataka State Rural Livelihood Promotion Society Department of Skill Development, Entrepreneurship and Livelihood (Krishi SAkhi)	07.11.2022 to 12.11.2022	KVK Bidar	50
127.	IPM Orientation training programme	16.11.2022 to 17.11.2022	KVK Bidar	56
128.	Eco system Dhrone spray in Redgram	18.11.2022	Hudagi Village	68
129.	Scientific Dairy Farming	18.11.2022	Ghatboral Village	53
130.	Minor Fruits and their management practices	21.11.2022	KVK Bidar	50
131.	ICM in Cotton	25.11.2022	Chimkode	80
132.	Importance of Biofuel	26.11.2022	KVK Bidar	24
133.	Nursery management in horticulture crops	28.11.2022 to 30.11.2022	KVK Bidar	30
134.	Soil Test and its importance	05.12.2022	Bidar	95
135.	ICM in Ginger	15.12.2022	Chitta	50
136.	Training to FPO Workers on Extension Activities	21.12.2022	KVK Bidar	50
137.	Ornamental Fish farming	22.12.2022	KVK Bidar	55
138.	Vermiculture	23.12.2022 to 24.12.2022	KVK Bidar	40
139.	ICM in Mango	29.12.2022	Halli Village	40
140.	PHT in Fihery	28.12.2022	KVK Bidar	45
141.	Uji fly management in Sericulture	30.12.2022	Bhandar kunta	50
142.	Farmers awareness program on application of Raita Sahayak App	12-14th May 2022	KVK, Raddewadgi	30
143.	PM Kisan samman nidhi and Pre Kharif preparation	31-05-2022	KVK, Raddewadgi	38
144.	Off campus training on ICM of Pigeonpea	28-06-2022	Saidapur Tq. Yadarami	64
145.	Off campus CDP on ICM of Greengram and Blackgram	30-06-2022	Yadaga Tq. Sedam	48
146.	Off campus CDP on ICM of Pigeonpea, Greengram and	05-07-2022	Gotur Tq. Kalagi	48

	Blackgram			
147.	On campus capacity development program on Integrated crop management in Chilli and Snail & Millipede management in pulse crops	16-07-2022	KVK, Raddewadgi	107
148.	Off campus capacity building programme	17-09-2022	Saidapur Tq. Yadarami	62
149.	Off campus CBP on nutri-garden	14-10-2022	Saidapur Tq. Yadarami	54
150.	PM Kisaan Samman Sammelan and on campus CBP on current problems in cotton and pigeonpea	17-10-2022	KVK, Raddewadgi	65
151.	Off campus CBP on ICM of Chickpea	18-10-2022	Yadaga Tq. Sedam	52
152.	Off campus CBP on ICM of Safflower	22-10-2022	Gotur Tq. Kalagi	65
153.	On campus capacity development program	03-11-2022	KVK, Raddewadgi	25
154.	PCRA sponsored off campus capacity development program on Fuel saving techniques in Agriculture	09-11-2022	Mandewal Tq. Jewargi	80
155.	On campus capacity development program on nutri-garden	21-11-2022	KVK, Raddewadgi	35
156.	Collaborative capacity development program on Improved production technologies of sunflower	24-11-2022	KVK, Raddewadgi	46
157.	PCRA sponsored on campus capacity development program on Fuel saving techniques in Agriculture	24-11-2022	KVK, Raddewadgi	75
158.	Off campus CDP on ICM in Groundnut	5-12-2022	Bapunagar Tq. Chittapur	54
159.	Off campus CDP of ICM in Vegetable crops under SCSP	6-12-2022	Ullandigera Tq. Chittapur	30
160.	Off campus CDP on Safflower	9-12-2022	Gotur Tq. Kalagi	40

161.	Crop management in banana and sugarcane	09-04-2022	Kaddirampura	30
162.	Soil health management through online	01-06-2022	KVK, Hagari	31
163.	Importance of soil and water test	08-06-2022	Godehal	30
164.	Alkaline and Saline soil management through online	10-06-2022	KVK, Hagari	42
165.	IPDM in cotton, groundnut and maize crop	17-06-2022	Talur	53
166.	Importance of vermicompost and their production	18-06-2022	KVK, Hagari	22
167.	IPDM in cotton and chilli	02-07-2022	Dammur	94
168.	Food and Health (Online)	05-07-2022	KVK, Hagari	20
169.	Nannari crop production and its value addition	11-07-2022	Vaddatti, Kurugodu	107
170.	Stall fed sheep rearing	12-07-2022	Ballari	28
171.	IPDM in cotton and maize crop	14-07-2022	Sadnur, Vitalpura, Lakkahalli	156
172.	Diseases of kharif season, spread and their management	15-07-2022	KVK, Hagari	88
173.	Stall fed sheep rearing	20-07-2022	Ballari	34
174.	Importance of soil testing and use of balanced fertilizer	21-07-2022	Moka / Gulya	84
175.	IPDM in natural farming	29-07-2022	KVK, Hagari	23
176.	Value addition to Tamarind	04-08-2022	KVK, Hagari	17
177.	IPDM in sunflower and maize crop	18-08-2022	Kakabalu	45
178.	Plant protection in groundnut and chilli	24-08-2022	KVK, Hagari	40
179.	Natural Farming	04-09-2022	Chikkaballari	43
180.	Income generation through animal rearing and other agricultur allied activities	12-09-2022	KVK, Hagari	30
181.	Right use of chemical fertilizer	17-09-2022	KVK, Hagari	34
182.	Use of nutrients in rabi crops.	26-09-2022	KVK, Hagari	45
183.	Importance of organic fertilizer, production of vermicompost, stall fed sheep rearing and nutria-garden	13-10-2022	Bannihatti	20
184.	Importance of seed treatment with trichoderma in bengalgram.	15-10-2022	KVK, Hagari	37

185.	Integrated pest management in rabi crops .	19-10-2022	KVK, Hagari	35
186.	Scientific dairying	09-11-2022	Ballari	32
187.	IPDM in redgram.	17-11-2022	Sanganakallu	40
188.	Pest management in cotton and redgram crop.	21-11-2022	KVK, Hagari	32
189.	Soil and water conservation.	23-11-2022	KVK, Hagari	43
190.	Use of chickpea magic in bengalgram crop and their disease management	25-11-2022	Chellgruki	35
191.	Indian Agriculture and Importance of agriculture education.	26-11-2022	KVK, Hagari	68
192.	IPDM in summer crop.	02-12-2022	Appenahalli	30
193.	Value addition to banana	07-12-2022	Kamalapura	50
194.	Importance of bio-pesticides in management of disease and pests.	09-12-2022	KVK, Hagari	38
195.	IPM in bengalgram.	28-12-2022	Chellgruki	28
196.	Integrated Crop management in guava and value addition	30.04.2022	KVK, Gangavathi	45
197.	Nutrition garden	16.05.2022	kudaremooti	25
198.	Preparation for kharif season and alternative cropping system	19.05.2022	Kanakagiri	56
199.	Transformative agriculture, mobile based applications, innovations and smart farming	21.05.2022	KVK, Gangavathi	28
200.	Two days training programme for Raitamitra NGO staff	23.05.2022	KVK, Gangavathi	16
201.	Integrated Farming System	15.06.2022	KVK, Gangavathi	30
202.	Awareness programme on Efficient and balanced use of Nano fertilizer	21.06.2022	KVK, Gangavathi	54
203.	Integrated crop management in redgram	22.06.2022	KVK, Gangavathi	48
204.	Scientific dairy and sheep farming	24.06.2022	KVK, Gangavathi	39
205.	Scientific bee keeping	03.08.2022	KVK, Gangavathi	28
206.	Technical workshop for agriculture officer	04.08.2022	KVK, Gangavathi	28
207.	Scientific sheep and goat rearing	08.08.2022	KVK, Gangavathi	35
208.	Integrated crop management in	10.08.2022	Yellamgeri	26

	rose			
209.	Drudgery reduction fertilizer feeder demonstration	12.08.2022	Agoli	40
210.	Use of Drone for spraying pesticides and micronutrients in paddy	13.08.2022	Hosalli	42
211.	Nutrigarden	15.08.2022	Muradi	41
212.	Use of drum seeder in paddy	17.08.2022	Hirejanthakal	40
213.	Integrated crop management in sunflower	18.08.2022	Abbigeri	34
214.	Integrated farming system training programme for SHG womens group	29.10.2022	KVK, Gangavathi	26
215.	Poshan Abhiyan	05.09.2022	Yaradona	35
216.	Improved cultivation practices and value addition in chilli	18.11.2022	Muddaballi	19
217.	Nutri-garden	13.12.2022	Nelajeri	40
218.	Safe storage of pulses	15.12.2022	Kamanoor	22
219.	Organic farming	16.12.2022	KVK, Gangavathi	25
220.	Natural farming	28.12.2022	KVK, Gangavathi	100
221.	Natural farming	19.12.2022	Karatagi	30
222.	Natural farming	21.12.2022	Kanakagiri	30
223.	Natural farming	23.01.2023 & 24.01.2023	KVK, Gangavathi	40
224.	Entreprenauiral and Startup opportunities in Agricultural and Alied fields	15.04.2022 to 14.05.2022	ICAR-KVK, Kalaburagi	40
225.	Training on Natural Farming systems to Krishi Sakhi	12 to 17.09.2022	ICAR-KVK, Kalaburagi	30
226.	Training on Natural Farming systems to Krishi Sakhi	19 to 24.10.2022	ICAR-KVK, Kalaburagi	30
227.	Training on Natural Farming systems to Krishi Sakhi	21 to 26.11.2022	ICAR-KVK, Kalaburagi	30
228.	IFS	03.08.2022	ICAR-KVK, Kalaburagi	40
229.	Kisan Bhagidari	14.04.2022	ICAR-KVK, Kalaburagi	300

230.	IPM in Pigeonpea	09.09.2022	ICAR-KVK, Kalaburagi	35
231.	ICm in Greengram	16.09.2022	ICAR-KVK, Kalaburagi	50
232.	Vermicomposting production and value addition	20.10.2022	ICAR-KVK, Kalaburagi	40
233.	ICM in Blackgram	15.09.2022	ICAR-KVK, Kalaburagi	50
234.	ICM in Soybean	17.09.2022	ICAR-KVK, Kalaburagi	25
235.	IPM in Soybean	11.09.2022	ICAR-KVK, Kalaburagi	40
236.	Poshan Maha Abhiyan	17.09.2022	ICAR-KVK, Kalaburagi	100
237.	TKisan Sammelan	17.10.2022	ICAR-KVK, Kalaburagi	200
238.	Integrated Agronomic Practices in IPM	28.12.2022	ICAR-KVK, Kalaburagi	40
239.	Improved Agronomic Practices in IFS	29.12.2022	ICAR-KVK, Kalaburagi	75
240.	IPM in cotton	30.12.2022	ICAR-KVK, Kalaburagi	100
241.	Farmers participation – our priority	26.04.2022	KVK, Raichur	85
242.	Training on "Kisan Credit Card" for capacity building of FPOs	16.05.2022	KVK, Raichur	44
243.	Waste management	04.06.2022 to 08.06.2022	KVK, Raichur	31
244.	ICM in Sunflower	21.06.2022	KVK, Raichur	50
245.	Integrated crop management in Redgram	22.06.2022	KVK, Raichur	
246.	ICM in Redgram	22.06.2022	KVK, Raichur	50
247.	Integrated crop management in Groundnut	27.06.2022	KVK, Raichur	30
248.	Integrated crop management in cotton	06.07.2022	KVK, Raichur	30
249.	Integrated crop management in Cotton	06.07.2022	KVK, Raichur	30
250.	Importance and use of area	19.07.2022	Amarapura,	49

	microbial consortium		Devadurga	
251.	Training on "Existing transformative agricultural technology, mobile based applications and smart farming"	20.07.2022	KVK, Raichur	39
252.	Existing transformative agric. Technologies mobile based applicationsand smart farming	20.7.2022	KVK, Raichur	35
253.	Improved production technologies for Chilli	24.7.2022	KVK, Raichur	50
254.	Advanced production technologies in Chilli cultivation	29.07.2022	KVK, Raichur	31
255.	Advanced cultivation practices in chilli	29.07.2022	KVK, Raichur	30
256.	Integrated management of Pink bollworm in Bt cotton	01.08.2022	KVK, Raichur	30
257.	Advanced production technologies in ELS cotton	03.08.2022	KVK, Raichur	30
258.	Enterpreneurship development programme in agriculture to SHG	02.09.2022	KVK, Raichur	45
259.	Capacity programme on community resource persons of farm livelihood (Krishi sakhi)	05.09.2022	KVK, Raichur	30
260.	Parisarara Krishi(Sakhi): I batch	5.9.2022	KVK, Raichur	85
261.	Krishi Sahayaka	6.9.2022	KVK, Raichur	30
262.	ICM in sunflower	10.09.2022	KVK, Raichur	30
263.	Capacity programme on community resource persons of farm livelihood (Krishi sakhi)	15.09.2022	KVK, Raichur	30
264.	Parisarara Krishi(Sakhi): II batch	15.9.2022	KVK, Raichur	50
265.	ICM on Redgram	16.9.2022	Jagirvenkatapur	35
266.				
267.	Parisarara Krishi(Sakhi): III batch	20.9.2022	KVK, Raichur	35
268.	Solid waste mgt.-Vahini NGO, Hospet	22.9.2022	OFRI, UASR	35
269.	Poshan Abhiyana and tree planting programme	17.09.2022	KVK, Raichur	30

270.	Importance of kitchen garden and its management	19.09.2022	Matamari	38
271.	Capacity programme on community resource persons of farm livelihood (Krishi sakhi)	20.09.2022	KVK, Raichur	30
272.	Integrated management of pinworm, borer and blight in tomato	27.09.2022	Mandalgera	30
273.	Management of pinworm and blight in tomato	10.10.2022	KVK, Raichur	44
274.	Precautionary measures for higher productivity in mango	11.10.2022	Yapaldinni	40
275.	Integrated crop management in bengalgram	12.10.2022	KVK, Raichur	31
276.	Solid waste management	12.10.2022	KVK, Raichur	50
277.	Nutritional garden : a way to elude malnutrition	21.11.2022	KVK, Raichur	42
278.	Solid waste management	31.10.2022	KVK, Raichur	30
279.	Solid waste management	31.10.2022	KVK, Raichur	34
280.	Integrated crop management in black gram	28.12.2022	Kalmal	47
281.	Doubling Farmers Income through integrated farming System	06.08.2022	Jagarkal	40
282.	Doubling Farmers Income through integrated farming System	4.09.2022	Jakkaldinni	58
283.	Integrated farming system	19.08.2022	Jakkaldinni	38
284.	ICM in sweet Lemon	19-07-22	Yapaladinni	38
285.	IDM in Pomegranate	22-07-22	Hanchinal	44
286.	Field day on Black gram	13.07.2022	BagyaNagara camp	43
287.	Importance of AMC	19.07.2022	Amarapur	50
288.	PCRA	28.08.2022	MargemmanaDibbi	60
289.	ICM in Redgram	15.09.2022	Pathepur	52
290.	IDM in Tomato	16.09.2022	Mandalgera	30
291.	Importance of Nutritional Garden	19.09.2022	Matamari	27
292.	Field day on Sunflower	28.09.2022	Sasvigera	25
293.	Training on Bengalram	21.10.2022	Sasvigera	25
294.	Field day on Bt Cotton	28.11.2022	Jakkaladinni	63
295.	Training on Mango	02.12.2022	Budipadaya	44

296.	Field day on Paddy baller	21.12.2022	Gabbur	60
297.	Field day on Redgram	29.12.22	JagirVenkatapur	77
298.	Training on "Kisan Credit Card" for capacity building of FPOs	16.05.2022	KVK, Raichur	44
299.	Waste management	04.06.2022 to 08.06.2022	KVK, Raichur	31
300.	Integrated crop management in Redgram	22.06.2022	KVK, Raichur	50
301.	Integrated crop management in Groundnut	27.06.2022	KVK, Raichur	30
302.	Integrated crop management in cotton	06.07.2022	KVK, Raichur	30
303.	Water shed principals based soil and water conservation practices for sustainable Agriculture	01.04.2022	KVK Raichur	98
304.	Bajra crop production and protection technologies and nutrient management	13.05.2022	KVK Raichur	54
305.	Pradhan Mantri Kisan Samman Nidhi (PM-KISAN)	14.05.2022	KVK Raichur	64
306.	Sheep and Goat rearing	18.05.2022	KVKR (online)	52
307.	Livestock Health and Disease Management	29.05.2022	KVKR (online)	41
308.	Organic farming	04.06.2022	KVK Raichur	41
309.	Climate change effect on Agriculture, Variety of farming, Bio-diversity and water conservation	05.06.2022	KVK Raichur	39
310.	Pre-sowing practices, integrated crop management in chilli and horticulture department facilities for chilli growers	16.06.2022	KVK Raichur	21
311.	Integrated crop management in Regram	17.06.2022	KVK Raichur	48
312.	Integrated crop management in Cotton	19.06.2022	KVK Raichur	39
313.	Preventive and control measures of	29.06.2022	KVKR (online)	49

	infectious diseases in dairy animals			
314.	Integrated crop management in Chilli	06.07.2022	KVK Raichur	15
315.	Integrated crop management in Cotton	14.07.2022	KVK Raichur	35
316.	Importance of tree plantation and their management to commemorate India's 75th independence	16.07.2022	KVK Raichur	44
317.	Preventive and control measures of infectious diseases in dairy animals	23.07.2022	Virtual	48
318.	Organic farming	27.07.2022	KVK, Raichur	84
319.	Preventive and control measures of infectious diseases in sheep and goat	27.07.2022	Virtual	50
320.	Production technology of Paddy	29.07.2022	KVK, Raichur	42
321.	Integrated Management of Pink Bollworm in Bt cotton	03.08.2022	KVK, Raichur	53
322.	Empowerment of Kalyana Karnataka farmers through IFS	04.08.2022	KVK, Raichur	42
323.	One day technical seminar to veterinary doctors of Raichur district	06.08.2022	KVK, Raichur	37
324.	Artificial Insemination skill training program to MYTRI workers	09.08.2022 To 4-09-2022	KVK, Raichur	35
325.	Integrated management of Pink bollworm in Bt cotton	03.08.2022	KVK, Raichur	53
326.	Empowerment of kalyana Karnataka farmers through integrated farming systems	04.08.2022	KVK, Raichur	37
327.	Production technology in redgram (audio conf.)	11.08.2022	Audio conf.	35
328.	Scientific honey bee rearing	11-08-2022	KVK, Raichur	45
329.	Production technology in cotton (audio conf.)	13.08.2022	Audio conf..	43
330.	Parthenium awareness and eradication week	17.08.2022	KVK, Raichur	46

331.	Infectious diseases preventive measures	18.08.2022	Online	46
332.	Integrated crop management in betel wine crop	19.08.2022	KVK, Raichur	36
333.	Solid waste management in agriculture	25.08.2022	KVK, Raichur	30
334.	Production technology in redgram (audio conf.)	26.08.2022	Audio conf.	46
335.	Solid waste management	26.08.2022	KVK, Raichur	37
336.	Doubling the Farmers Income through IFS	15.09.2022	KVK Rcr & Dept of Agri	71
337.	International Millets Day-2023	17.09.2022	KVK, Raichur	171
338.	Integrated crop management in pigeonpea	04.10.2022	KVK, Raichur	40
339.	Doubling the Farmers Income through IFS	05.10.2022	KVK, Raichur	50
340.	Integrated farming system	12.10.2022	KVK, Raichur	30
341.	Integrated Crop Management in Bengalgram	13.10.2022	KVK, Raichur	25
342.	Integrated crop management in black gram	13.10.2022	KVK, Raichur	40
343.	World food day	16.10.2022	KVK, Raichur	60
344.	Integrated crop management in Sunflower	28.10.2022	KVK, Raichur	47
345.	Integrated crop management in cotton	29.10.2022	KVK, Raichur	56
346.	Horticulture components in Integrated farming system	23.11.2022 to 24.11.2022	KVK, Raichur	30
347.	Solid Waste management	30.12.2022 to 04.12.2022	KVK, Raichur	30
348.	Crop management in Sunflower	05.12.2022	KVK, Raichur	40
349.	Integrated crop management in Groundnut	16.12.2022	KVK, Raichur	47
350.	IFS training under RKVY	14.01.2023	KVK, Raichur	30
351.	Improved practices in sheep and goat rearing	18-19.01.2023	KVK, Raichur	56
352.	Improved practices in poultry	20-	KVK, Raichur	61

	rearing	21.01.2023		
353.	Training programme on Technical seminar for Veterinary doctors	08-03-2022	KVK, Yadgir	30
354.	Training programme on Scientific Bee-Keeping	05-04-2022 to 08-04-2022	KVK, Yadgir	32
355.	SCPST training programme on horticulture crops	10-04-2022	KVK , Yadgir	28
356.	Training programme on FPO formation for Millet growing farmers	15-04-2022	KVK , Yadgir	30
357.	Training programme on Improved practices for Greengram production for *Kharif* season	04-05-2022	KVK, Yadgir	31
358.	Training programme on Impotrance soil nutrients in plant growth	11-05-2022	KVK , Yadgir	20
359.	Training programme on Bee keeping – An Enetrepunrship	18-05-2022	KVK, Yadgir	27
360.	Training programme on Soil health Management in organic Farming	20-05-2022	KVK, Yadgir	57
361.	Online Training programme on Weather forcasting and Agro advisories to farmers	26-05-2022	KVK , Yadgir	27
362.	Training programme on Scientific Diary farming – An Enetrepunrship	29-06-2022	KVK , Yadgir	30
363.	Training programme on Role of Bioagent in IPM	15-06-2022	KVK, Yadgir	41
364.	Training programme on Use of Nano Urea and Integrated nutrient Management in Kharife crop	20-06-2022	KVK , Yadgir	25
365.	Training programme on Sheep and goat farming in collaboration with	05-07-2022	KVK, Yadgir	22

	Department of AHVS			
366.	Soil and water conservation and Groundwater recharge techniques (Online)	15-07-2022	KVK, Yadgir	40
367.	Training programme on dairy farming in collaboration with Department of AHVS	20-07-2022	KVK, Yadgir	31
368.	Training programme on Sheep and goat farming in collaboration with Department of AHVS	24-07-2022	KVK, Yadgir	28
369.	Training programme on Scientific Bee	05-08-2022 - 08-08-2022	KVK , Yadgir	35
370.	Training programme on dairy farming in collaboration with Department of AHVS	18-08-2022	KVK , Yadgir	27
371.	Training programme on Sheep and goat farming in collaboration with Department of AHVS	20-08-2022	KVK, Yadgir	21
372.	Training programe on Integrated Farming System-Importance of livestock	09-09-2022	KVK, Yadgir	22
373.	Training program on Poshan Abhiyan and Tree plantation	16-09-2022	KVK , Yadgir	28
374.	Capacity building training programme on Improved technologies and plant protection measures in Guava	28-09-2022	KVK , Yadgir	33
375.	Training programme on Importance of horticulture crops in IFS unit	09-09-2022	KVK, Yadgir	40
376.	Training programe on Nutri Garden	17-09-2022	KVK, Yadgir	33
377.	Training programe on Advances in Guava cultivation	25-09-2022	KVK , Yadgir	28

378.	Training programe on Scientific BeeKeeping	05-10-2022 to 11-10-2022	KVK , Yadgir	25
379.	Capacity Development programme in collaboration with Department of Fisheries to fishermens and farmers	12-10-2022	KVK, Yadgir	69
380.	Management of saline & alkaline soils in command areas	05-12-2022	KVK, Yadgir	36
381.	Role of soil and water conservation meauress in Watershed management	10-12-2022	KVK , Yadgir	30
382.	Training programme on utilization of water technologies by CADA	13-12-2022	KVK , Yadgir	32
383.	Training programme on Production technology in Oil seed production	15-12-2022	KVK, Yadgir	26
384.	Improved practices in groundnut production	07-12-2022	KVK,Yadgir	13
385.	Mechanization in chickpea production	11-12-2022	KVK, Yadgir	34
386.	Krushi Sakhi -I	15.12.2022-21.12.2022	KVK, Yadgir	30
387.	Krushi Sakhi-II	24.12.2022-31.12.2022	KVK, Yadgir	30
388.	Krushi Sakhi-III	4.01.2023-10.01.2023	KVK, Yadgir	30
389.	Training programme on Post harvest management of horticulture crops	16-01-2023	KVK, Yadgir	45
390.	Training program on groundnut IPM	02-01-2022	Manchalapur Tq: Hunasigi	15
391.	Training programme on ICM in Groundnut	10-01-2022	Masknahalli	30
392.	Training programme on Soil fertility and its management	16-01-2022	Yadgir, Tata Trust-Kalike	36
393.	Training programme on improved technologies in agriculture and IFS	20-01-2022	Konal, Surapura	22

394.	Training programme on Poultry rearing and bird flue	25-01-2022	Bijaspur, Surpur	31
395.	Training program on Improved Verities of Field crop under Beeja Gram Yojana	02-02-2022	Shallgir Tq: Shorapur	22
396.	Training program on ICM in Groundnut	04-02-2022	Masknahalli	22
397.	Training program on Improved Verities of Field crop under Beeja Gram Yojana	05-02-2022	Manchalapur Tq: Hunasigi	24
398.	Training program on Improved Verities of Field crop under Beeja Gram Yojana	10-02-2022	Hagarhadgi Tq. Hunasigi i	22
399.	Calf rearing practices	18-02-2022	Hegganadoddi, Shorapur	30
400.	Training program on Improved Verities of Field crop under Beeja Gram Yojana	19-02-2022	Anneodageri Tq. Hunasigi i	21
401.	Dairy farming for rural womens	22-03-2022 to 31-03-2022	Koiluru, Yadgir	35
402.	Preparation summer ploughing	05-04-2022	Rattal	27
403.	Training program on Bhusuposhanyaabhiyan – Role of Micro organisms in enhanceing soil fertility	22-04-2022	Kakkera Tq Hunasigi	28
404.	Improved cultivation practices in Tomato	21.06.2022	Maskalnalli	44
405.	Training program on Improved practices of Pegion pea and Impertinence of seed treatment	21-06-2022	Mansknhalli	31
406.	Training program on Improved practices of Pegion pea	29-06-2022	Saidapur	22
407.	Crop survey awareness programme	14-07-2022	Khanapur S.H	21
408.	Sheep and goat rearing and its importance in IFS	20-07-2022	RSK, Hunsagi	33
409.	Training programme on groundnut improved practices for higher yield	27-07-2022	Kale Belagundi	40

410.	Training programme on ICM in greengram	29-07-2022	Maskanalli [v] Yadgir Dt	25
411.	Training programme on FPO activities and business plans	30-07-2022	Shelgi	28
412.	Training programe on Mango cultivation practices	02-08-2022	Maskanalli	40
413.	Training programe on Advances technology in Guava	03-08-2022	Saidapur	22
414.	Training programe on Improved technology in chilli	09-08-2022	Saidapur	26
415.	Training program on Cotton pink boll worm management	11-08-2022	Mushthalli	31
416.	Training program on Improved practices in groundnut cultivation	16-09-2022	Kalike- Tata Trust, Yadgir	25
417.	Training program on Formation of FPO and its imortance	24-09-2022	Rukmapur [Post] Shorapura Tq	46
418.	Training program on Integrated farming System	03-10-2022	ElariTq .Gurumatkal	23
419.	Swachata pakowada awareness programme at mastur doddi	11-10-2022	Kawadimatti Surpur TQ	25
420.	FMD vaccination camp in collaboration with Dept.of AHVS and Rawe students of Agri.B,gudi in Kawadimatti village	25-10-2022	Kawadimatti Surpur TQ	41
421.	Integrated Management of Chilli Murda Complex	31-10-2022	Banadevanahalli	26
422.	Training on FPO activities and business plans in Mustalli	11-08-2022	Mustalli	21
423.	Training on Integrated farming system	16-08-2022	Polytechnic college, Dornalli	38
424.	Training on fodder varieties and buffalo farming	16-08-2022	Buffalo research institute, Dornalli	22
425.	Advances in onion cultivation	19-11-2022	Motanalli	33
426.	PM Live streaming programme	08/05/2022	Lingasugur	46
427.	Importance of green manuring crops in agriculture	17/05/2022	Lingasugur	47
428.	Workshop on cotton	17/06/2022	Lingasugur	53

429.	Training for input dealers of Lingasugur taluk	01/07/2022	Lingasugur	44
430.	Processing and value addition techniques for oilseeds	21/07/2022	Lingasugur	41
431.	World rabies day and importance of vaccination for livestock animals	28/09/2022	Lingasugur	41
432.	Kisan goshti	8/12/2022	Lingasugur	27
433.	Importance of millets	27/12/2022	Lingasugur	85
434.	World farmers day	23/12/2022	Lingasugur	33
435.	Workshop on pomegranate	28/12/2022	Lingasugur	38
436.	Importance of Millets and balanced diet for	05/01/2023	Lingasugur	60
437.	Balanced diet for pregnant and lactating mothers	06/01/2023	Lingasugur	17
438.	Processing and value addition of pulses	08/02/2023	Lingasugur	51
439.	World Women's Day	08/03/2023	Lingasugur	44
440.	Importance of seed treatment for kharif crops	24/05/2022	Muslikarlakunte	44
441.	Entrepreneurship development training for farm women	13/06/2022	Jagir nandihal	30
442.	Integrated pest and disease management in sunflower and cotton	20/07/2022	Machanur	41
443.	Training on nutrition garden and balanced diet for farm women	02/08/2022	Chikkaupperi	55
444.	ICM in chilli and value addition	24/08/2022	Medikinal	42
445.	ICM in cotton and chilli and	08/09/2022	Goudoor	42
446.	World food day	15/10/2022	Ankushdoddi	28
447.	Krishinirata mahila dinacharane	04/12/2022	Niralakeri	45
448.	World soil day	05/12/2022	Nagalapur	42
449.	Fieldday on redgram (GRG-811)	21/12/2022	Nagaral	46
450.	Importance of millets	27/12/2022	Maski	85
451.	Importance of Millets and balanced diet for	05/01/2023	Karadakal	60
452.	Balanced diet for pregnant and lactating mothers	06/01/2023	Pinchanipura, Lingasugur	17
453.	Field day on Jowar	01/02/2023	Medinapur	25
454.	Field day on bengalgram	03/02/2023	Vyakaranal	29
455.	Usage of chickpea magic in bengalgram	09/01/2023	Herundi	38

456.	chickpea field day	17/01/2023	Koppar	42
457.	Farmers income doubling	18/01/2023	B.Ganekal	27
458.	Field Day on sorghum	19/02/2023	Hemanur	33
459.	Field Day on bengalgram	23/02/2023	Herundi	31
460.	FPO training program	04/03/2023	Jalahalli	41
461.	Capacity builiding training program to SHG	06/03/2023	Devadurga	39

6. Other Extension Activities

SL. NO.	Extension Activities	Number
1.	No. of Diagnostic visits/problematic fields visited by the scientists	908
2.	No. of problematic field visited upon requisition by Dept of Agriculture/ Horticulture officials as they are short of Expertise (service taken up by Dept.)	433
3.	No. of farmers visited to KVKs/ AEECs to get information	12314
4.	No. of farmers get the information through telephone calls	24911
5.	No. of Mobile SMS on farm technology sent to the farmers	4120
6.	No. of Whats App messages on farm technology sent to the farmers	3516
7.	No. of Video Clips developed	242
8.	No. of Farm Trails Conducted	268
9.	No. of training programmes attended as a Resource person	626
10.	No. of Soil Samples Analysed	3166
11.	No. of Water Samples Analysed	893
12.	Online Trainings	28
13.	Lecture delivered	63
14.	Field Day	75
15.	Farmers Visit to KVKs / AEECs	5049
16.	Exhibition	48
17.	Scientists' visit to farmers field	767
18.	Diagnostic Visits	82
19.	Group meeting	15
20.	Method Demonstration	43
21.	Awareness Campaign	11
22.	Workshop	1

23.	Animal Health Camp	9
24.	Radio Talk	45
25.	TV Talk	5
26.	Celebration of important days	141
	TOTAL	**5779**

7: Extension Projects in operation during the year 2022-23

Sl. No.	Title of the Project	Budget (lakhs)	Funding agency
1.	DAESI Batch (2022-23)	4.00	MANAGE
2.	DAESI (2022-23)	8.00	MANAGE
3.	Population of Cashew cultivation in non-traditional area	5.30	Directorate of Cashew & Cocoa Development Board, Kocchi, Kerala
4.	Bio-fuel Research, information and demonstration Project	2.0	Karnataka State Bioenergy Development Board, Bengaluru
5.	IRM dissemination of PBW management strategy	4.10	ICAR-CICR-Nagpur
6.	DEASI Programme	7.23	MANAGE Hyderbad
7.	**CFLD on pulses** ICM in Pigeonpea ICM in Greengram ICM n Blackgram ICM in Chickpea	7.20	ATARI, Bengaluru
8.	**CFLD on oilseed** ICM in Safflower ICM in Groundnut	3.40	ATARI, Bengaluru
9.	Analysis of Integrated Farming Systems (IFS) in different Agro-climatic situations in the state of Karnataka for need based Technology Application and Capacity Development	40.00	ATARI, Bengaluru
10.	District Agro-Met Unit (DAMU)	15.86 lakh	IMD and ATARI, Zone XI
11.	Cluster FLDs of Summer oilseeds	0.60 lakh	ICAR

	(Sunflower) NMOOP		
12.	Cluster FLDs on Rabi pulses under NFSM	1.80 lakh	ICAR
13.	Cluster FLDs of Summer oilseeds (Groundnut) NMOOP	2.40 lakh	ICAR
14.	Natural farming project	10,69,035	ATARI
15.	Drone Technology demonstrations	17,50,000	ATARI
16.	Dissemination of Insect Resistance management for cotton Pink Boll Worm at Kalaburagi	4.10	CICR and ATGC, Nagpur
17.	SCSP	2.34	ATARI, Bengaluru
18.	SCSP	2.65	ATARI, Bengaluru
19.	NICRA	10.55	ATARI, Bengaluru
20.	Natural farming	10.69	ATARI, Bengaluru
21.	Drone	17.50	ATARI, Bengaluru
22.	Conducting training Programme on cotton cultivation and other aspects SCP fund	AICRP, Cotton	2.43
23.	Krushi Sakhi	Department of skill development entrepreneurship and livelihood	6.85
24.	Skill Development Training programme on Integrated Farming System at Raichur Karnataka	MANAGE, Hyderabad	2.0
25.	"Kisan Bhagidari Prathmikta Hamari"	ICAR, New Delhi	1.0
26.	CFLD’s on Pulses	3.00	ATARI, Bengaluru
27.	CFLD’s on Oilseeds	5.00	ATARI, Bengaluru

Programme on "Processing technologies of oil seeds

Training programme on "Processing technologies of oil seeds" was organized by AEEC Lingasugur on 21st july 2022. Quality oil production is the need of the hour hence, to educate small scale oil producers, to improve the quality of oil and oil products this programme was conducted. Extension Leader, Dr. Vanishree S narrated the importance of fat in daily life and the value addition techniques of oil seeds. Er. P. F Mathad, Assistant Professor department of Processing & Food Engineering was explained the clean practices of oil production, filtration and the machineries required to start small enterprise. Further, packing, labelling, branding and getting licence for commercial sale of oil and by products of oil extraction was explained in detail inthe programme. Many ghani oil produces, farmers, CEOs of NGO's participated in the programme and interacted with the scientists to clear their doubts.

Workshop on Pomegranate

One day "Workshop on Pomegranate" was jointly organized by AEEC Lingasugur & Isha Agro Science Pvt., Ltd., Pune on 28th December 2022. Dr. Vanishree S., Extension Leader, AEEC Lingasugur suggested the farmers to adopt scientific methods in pomegranate cultivation and to start processing of fruits to get additional income. Dr. S.B. Gowdar, Scientist (Plant Pathology), COA, Gangavati was explained integrated disease management in pomegranate. Dr. Sujay Hurali, Scientist (Agril.Entomology), ARS, Gangavati explained the integrated pest management to the farmers and educated them the methodology of IPM practice in pomegranate Dr. Prashant Nandargikar, CEO, Isha Agro. Science was explained about the pruning and training in pomegranate and various nutrition management in pomegranate to improve the quality of fruits and to get higher yield to the farmers.

5 Financial Resources

5.1 Source of Finance

The State Government provided grants under Grant-in-aid salaries to continue the ongoing commitments under establishment. Further, the grants under Grant-in-aid general were provided for strengthening the existing programmes and to establish new activities under teaching, research and extension education programmes including general administration.

The State Govt. Departments provided certain grants to undertake Ad-hoc research schemes and extension education training programmes.

Indian Council of Agricultural Research provided funds for the continuation of the existing schemes and establishment of new Teaching, Research and Extension Education Programmes. Grants were also provided under All India Co-ordinated Research Schemes and Ad-hoc Research programmes.

Several Departments of Government of India also provided financial assistance to conduct specific research in agriculture Grants are also, being provided quite often by several National and International organizations/Agencies to conduct Research and Extension Programmes in the University. Revenue is also generated by effectively utilizing the internal resources through crop cultivation, seed and nursery activities, collection of student's fees etc.

5.2 Receipts

5.2.1 Grants from State Government

5.2.1.1 Grant-in-Aid Salary

The State Government has released Rs. **7253.00 lakh** during 2022-2023 as Grant-in-Aid salaries.

5.2.1.2 Grant-in-Aid General

The State Government has released Rs. **108.46 lakhs** towards Agricultural Education during the year 2022-2023 towards the continuation of ongoing activities under Teaching, Research, Extension Education and general administration.

5.2.1.3 Ad-hoc Schemes of Departments of State Government

University received Rs.**715.91 lakhs** towards ad-hoc research schemes from the Departments of State Government, Rs. **1102.44 lakhs** under RKVY projects.

5.2.2 Grants from ICAR

Indian Council of Agricultural Research has released Rs. **1438.62 lakh** during the year 2022-23 under the following heads

Table 33: Grants received by ICAR

Sl. No.	Heads	Amount released Rs.in Lakhs
1	All India Co-ordinated Research Projects and Ad-hoc Projects	1438.62
	Total	**1438.62**

5.2.3 Grants from Government of India

During 2022-2023, University received Rs.**1060.11 lakhs** from different Departments of Government of India viz., Ministry of Science & Technology, Department of Biotechnology, CSIR, Department of Agriculture and Co-operation, etc. towards specific research programmes.

5.2.4 Schemes sponsored by other Agencies

The fund received by other agencies amounted to Rs.**1084.53 lakhs** during 2022-2023

5.2.5 Summary of receipts for the year 2022-2023 (To be finalized)

Table 34: Details of total grants received by the University during 2022-2023

Rs in Lakhs

Sl. No.	Grants		Sanctioned	Released	Utilized
I	**State Govt.**				
	i. Non Plan Grants		0	0	0
	ii. Plan Grants		10746.75	10846.75	10362.66
	iii. RAWE		0	0	0
	iv. Ad-Hoc Schemes		0	715.91	772.37
	Total-I		**10746.75**	**11,562.66**	**11,135.03**
II					
	KVK		1400.00	1288.99	1444.86
	Co-ordinated Projects		1500.00	1438.62	1354.03
	Development Grants		300.00	140.00	154.02
	Total -II		**3200.0**	**2,867.61**	**2,952.91**
III					
	Government of India		1500.00	1060.11	973.86
	Other agencies		1200.00	1084.53	1008.36
	Internal Receipts		0	2343.56	0
	RKVY		900.00	1102.44	1088.13
	NABARD		500.00	1701.86	1432.00
	SCPS/TSP		398.22	221.00	157.49
	Total-III		**4,498.22**	**7,513.5**	**4,659.84**

	Grand Total (I+II+III)		**7,698.22**	**21,943.77**	**18,747.78**

5.3 Expenditure during 2022-23

5.3.1 Grants from State Government

5.3.1.1 Grant-in-Aid Salary

On account of promotion of both Teaching and Non-teaching staff and payment of increased Dearness Allowances, the share of expenditure on salary under non-plan has been increasing year after year

Sl.No.	Category	2022-23 (Rs. in lakh)
1	Salary Expenditure	6828.23
2	Non salary Expenditure	7555.78
	Total	**14384.02**

5.3.1.2 Grant-in-Aid General

During the year 2022-2023 the State Government has allotted Grant-in-Aid general grants of Rs.**14384.02 lakhs** towards Agricultural Education and the grants have been fully utilized.

5.3.1.3 Ad-hoc Schemes funded by Departments of State Government

University operated research projects funded by several Departments of State Govt. including RKVY and utilized the grants including the unspent balances of the previous year. An amount of Rs.**157.49 lakhs** spent under SCSP/ TSP grants.

5.3.2 ICAR Grants

a) Development Grants: The amount spent during 2022-2023 for several ICAR approved development programmes was Rs.**154.02 lakhs.**

b) Research Projects – ICAR: An amount of Rs.**1444.86 lakhs** during 2022-2023 has been spent for continued and new programmes.

5.3.3 Schemes Funded by various Departments of Government of India

Expenditure to the tune of Rs.**973.86 lakhs** was spent in the various projects funded by several Departments of Government of India.

5.3.4 Schemes Funded by other Agencies

An amount of Rs.**1008.36lakhs** have been spent on research projects funded by different funding agencies during 2022-2023 the total receipt of the University was Rs **2343.56 lakhs** out of that the expenditure was Rs**.18747.78 lakhs**.

Keladi ShivappaNayaka University of Agricultural and Horticultural Sciences, Shivamooga

BRIEF ANNUAL REPORT: 2022-23

A. EDUCATION

1. Presently University offering B.Sc. programmes in three disciplines, M.Sc. Agriculture, Horticulture and Forestry in 14 Disciplines, and P.hD. in six disciplines.
2. A total of 414 students have been admitted for Under Graduate degree programmes at different campuses *viz.*,Shivamogga, Hiriyur, Mudigere and Ponnampet campus, 69students for PG programmes at Shivamogga, Mudigere, Ponnampet, twelve for Ph.D. programmes at Shivamogga and Ponnampet and46 students for Diploma (Agri.) at Kathalagere and Brahmavar respectively.
3. The University has secured 32nd rank in the ICAR ranking of Agricultural Universities-2020 at the All India Level.
4. Five M.Sc. Students of the University passed the ICAR SRF exam and obtained a fellowship for their Ph.D. Programme.
5. Twenty-Three students (23) have secured ICAR JRF during 2021.
6. Fifty-two (52) Students secured NTS (PG),
7. 426 Students registered for the READY (Rural Entrepreneurship Awareness Development Yojana) programme.
8. 254(Agricultural vendors) students were registered under the DAESI program
9. Organized 7th convocation on 28th September,2022 wherein,355 Undergraduate students,79 Masters degree Students and 10 Ph.D. students were awarded degrees respectively. 7 UG students received 14 gold medals, 13 M.Sc. students received 14 gold medals and 4 Ph.D. students received 5 gold medals. 24 students received 33 Gold medals and were offered by the Chancellor. Seventh Convocation Addressed by Dr. R. S. Paroda, Founding Chairman, TAAS, New Delhi.
10. As per guidelines of ICAR, New Delhi, preparations are made for the successful implementation of the National Agricultural Education Policy in the University.
11. ICAR, through N.A.H.E.P., launched an IDP program. KSNUAHS, Shivamogga implement the IDP program for student development and training the farmers under this programme University is sending four studentsabroad for Academic Exchange Programme under IDP.
12. OMR scanning software has been installed for fast evaluation of Final External Examination answer booklets and quick announcements of UG students' results.
13. Fourteen books printed in Kannada related to different topics of Agri/Horticulture and Forestry were released for the first time as a historic event for the benefit of the farming community by Dr. T.S. Nagabharana, The Director Kannada Abhivruddi Pradhikara, Bengaluru.
14. The 10th Foundation Day of KSNUAHS, Shivamogga was held on 26-09-2022 at the new campus, Iruvakki, where Shri B.Y. Ragavendra, M.P. Shivamogga inaugurated the function, wherein farmers, teaching and Non-teaching staffs were honoured. Certificates were issued to teaching, non-teaching and agricultural workers who retired during the year 2021-22.

15. The main Campus, the Vice-Chancellor's office, all the Directorates of the university and other central units have been shifted to the main campus and started functioning. In the first phase, the administration building, 4 no. departmental buildings, library, male and female dormitory buildings and infrastructure works such as perimeter roads, one STP unit of 140KLD capacity. And a total of 9 works including the construction works of a 400-kilowatt capacity solar power unit have been enabled and the works are completed from the year 2021-22 classes and educational work activities smoothly. 2nd Phase works like Staff Hostel (Double Bed) – Block 1, Canteen, Bank, Post Office, Complex Shop, Hospital Building, UG Class Building, Staff Hostel (Three Bed), Chancellor's Hostel, Sports Complex, Construction of Additional Lab for Crop Development, Crop Protection Additional Lab Construction Works Rs. 100.00 crores proposal has been submitted to Govt.

B. RESEARCH

1. About ₹11,67,93,610 has been received for 43 projects from External funding agencies(Ad-hoc Projects).
2. Zero Budget Natural Farming (ZBNF)-GoK funded project with an outlay of 58 lakhs released during the year to implement in the Central dry zone, Southern transition and Coastal zones of Karnataka.
3. Watershed Development Department (WDD), GoK, has approved the release of ₹268.00 lakhs for implementation of an Adhoc project on "Watershed Development to Prevent Drought Program (WDPD) in drought-hit and groundwater-scarce areas
4. All India Coordinated Research Projects Viz., Rice at Ponnampet and Brahmavar, Nematodes at Shivamogga, Integrated Farming Systems Research at Kathalagere, Spices at Mudigere, Palms (Arecanut) at Honnavile, Palms(Oil palms) at Bavikere, Agro-Forestry at Ponnampet, Groundnut at Hiriyuru, Small millets at Hiriyuru, Maize at Kathalagere. All India Network Projects on Tobacco at Shivamogga, and AINRP on Onion and Garlic at Hiriyuru were in operation.
5. Under RKVY 21 research projects have been submitted. Out of which only eight programmes with a budget of ₹ 897.51 lakhs were submitted again with modifications. Out of which one project has been selected with a worth of ₹ 214.12 lakhs.
6. University seed unit produced3,04,200(Nos.)Quality Planting Material and produced a total of 5431 quintals of Seeds which includes, cereals (4562.20q) Pulses (118.10 q), Oil seeds (185 q).,
7. University OFRC produced 24141tonnes Bio Fertilizers and Bio agents and generated a revenue of ₹ 24,74,950/-. About 1272/- kgof honey processed& sold, generated a revenue of rupees ₹4,07,040/-
8. During 2022-23, the university has undertaken testing of thirty-six New chemicals/molecules for control of Pests/Diseases/Weeds, growth regulators and agricultural equipment and generated a revenue of Rs. 88.22 lakhs.
9. University has made an agreement with Hexagon Manufacturing Intelligence India and "Artificial Intelligence for Agriculture Centers" for the skill development of students and farmers.
10. During 2022-23 University established MOUs with the following institutes
    - Watershed Development Department, GoK,
    - Agricultural Sciences Forum of Kodagu (ASFK)

- Dr. Y.S.R. Horticultural University, Venkataramanngudem, Andra Pradesh
- Karnataka Housing Board, Bangalore,
- ICAR-Indian Institute of Rice Research (IIRR), Hyderabad
- M/s Ecophytocare India Private Ltd.
- Kansas State University, Manhattan, USA
- M/s.Institute of Technology, Moodbidri, Mangalore.
- M/s.DhanukaAgritech Limited
- M/s.Tene Agricultural Solutions Pvt. Ltd, Bangalore.
- M/s. Green Agro-tech
- M/s. SAS BhoomiVermicompost
- Confederation of Indian Industry (CII), Keerthiraj B., Monsanto Holding Private Limited (Subsidiary of BAYER AG)
- N. RangaRao& Sons Pvt. Ltd Mysore (Cycle Brand Agarbathi)
- Agricultural Sciences Forum of Kodagu (ASFK)

11. An amount of ₹ 5.68 crores was received under ODOP by GoI (PMFME- Scheme) to build infrastructure, supporting research and integrated development for "One District One Product" crops in Pineapple (Shivamogga), Spices (Mudigere) and Groundnut (Hiriyuri). Further, Two innovation institutes were sanctioned at Hiriyur and Shivamogga for manufacturing value-added products.
12. Under the One District One Product concept of the Hon'ble Prime Minister, Pineapple for Shivamogga, Groundnut for Chitradurga and Spices for Chickmagaluru have been identified and proposals have been sent for providing complete information about the commodity from cultivation to packaging and marketing.

C. EXTENSION

1. Training programmes Conducted: A Total of 184 on-campuses, 135 off-campuses, 12 Vocational Training Programmes and 16 off-campus training programmes were conducted wherein, involving 7350 and 6800 farmers/farm women on different topics *viz.*, integrated nutrient, pest and disease management in major Agricultural and Horticultural crops, disease management in livestock, value addition in milk, composite fish culture, vermicomposting, forage crop production etc.
2. On Farm Testing (OFT): A total of 22 OFT were conducted on different aspects like evaluation of high-yielding Bengalgram varieties, varietal evaluation in Onion, Nutritional requirement in Brinjal, Flower crops performance in the coconut-based cropping system, Red Rice Varieties, thrips management in onion by involving 22 farmers.
3. Front Line Demonstrations(FLD): a total of 72 Front Line demonstrations were conducted by KrishiVignanaKendras involving 685 farmers for the year 2021-22.
4. Skill development training programmes for 120 Agricultural hostesses were organized at four KVKs in collaboration with GoK under the "Agricultural Livelihood Community Resource Scheme".

5. During the year 2022-23, a total of 184 On Campus, 164 Off-campus training programs, 22 On-Farm Testings, and 72 front-line demonstrations have been conducted wherein, 14835 farmers and farm women have benefitted.
6. To manage the leaf spot disease in Arecanut about 74 special training programs and workshops were organized at Tirthahalli, Sringeri, Koppa and Nittur areas under the supervision of Hon'ble Home Minister and Hon'ble Vice-Chancellor, KSNUAHS, Shivamogga. A total of 4600 farmers have benefitted from the Programmes. Further, on 22-01-2023 Hon'ble Chief Minister of our state, Mr.Basavaraja S. Bommaithoroughly discussed the issue of leaf spot disease of Arecanutamong the Local MLAs, MPs, Progressive Farmers, along with University Officers and Scientists. Further, C.M. appreciated the efforts of the University.
7. Presently 2confernces, 14 workshops,167 pieces of training 47 brainstorming sessions, were organized at the University to solve the problems of the farming community.
8. Other Extension Activities
9.

Sl.No	Extension activities	Numbers	Number of participants
1.	Field Days	78	2857
2.	Group Discussion	85	1045
3.	Farmers visit KVK	6121	6121
4.	Field visits (KVK Scientists visit Farmers' fields)	2613	2613
5.	Telephone calls (Telephone consultation with farmers)	21236	21236
6.	Diagnostic visits	658	658
7.	Extension bulletins/Folders	25	-
8.	Radio programmes	321	-
9.	TV Programmes	21	-
10.	Participation in Exhibition	45	31426
11.	Exposure visits (Educational tours)	18	451
12.	Seminars/ Workshops	28	1962
13.	Krishimela/KrishiMahotsava/ Melas	11	33482
14.	SMS Messages	1413	134321
15.	Technology Weeks	10	672
16.	Important Days celebrations	21	4810

D. ADMINISTRATION

1. During 2022-23 Under CAS 2006, Among the Teaching faculty **seven** Associate Professors to Professors, **one** Assistant Professor to Associate Professors, **five** from academic level 11 to academic level 12, and Tolally**13** from teaching were promoted. Among service personnel, **one** has been promoted from Group A, and Group B and **seven** from Group C.

2. In the case of SupportingStaff One from Group A and B seven from Grop C, a total **of nine**teaching faculties were promoted.
3. Presently recruited 102 Assistant Professors and they were provided with various pieces of training programmes related to Teaching, Research and Extension activities.

E. FINANCE

1. Under 1st phase works at the main campus Iruvakki, KSNUAHS, Shivamogga the government has allocated ₹ 155.38 crores and received administrative approval, a proposal of ₹100 crores has been submitted to the government to undertake the 2nd phase work.
2. For the year 2022-23, an annual grant of Rs.60.72 crores will be allocated by the government. So far a grant of Rs.54.83 crore has been released
3. A grant of Rs.24.63 Crores has been released by the Government of Karnataka for the construction works of the main campus at Iruvakki under NABARD RIDF Tranche-27 for the year 2022-23, for various building works in Agriculture, Horticulture and Forestry Colleges of the University, and A grant of Rs.16 crore transferred to the Karnataka Housing Board for carrying out various building works.

F. HONOURS and AWARDS

1. Cashew Research Centre of KSNUAHS recognized as Emerging Cahsew Research Centre from DCCD, Cochin, GoI.
2. College of Horticulture, Mudigere bagged Best NSS Unit –2020-21 State Level Award, Dr.Yallesh Kumar, received Best NSS Programme Officer Award and Ku. Vidya N. received the Best NSS Voluntary Award and was Conferred in the Presence of the Honorable Governor of Karnataka
3. ShreyasRajendraKalyani, a student of Forestry College, Ponnampet and KumariAishwarya S and Chandan S K a student of Horticulture College, Mudigere, will participate in the South Zone Level Preparatory Path Movement Camp as part of Republic Day 2022-23 held at Ernakulam, Kerala.
4. VinayKallanagowda, a student of Horticulture College, Hiriyur, won the award in the State Level National Service Scheme (NSS), debate Competition in Youth Festival 2021-22.
5. During the 10th Foundation Day, following teaching and non teachingFaulutes were honoured with different awards such as Dr.Bhoomika. H. R.- Best Teacher Award, Dr. C. Sunil-Best Researcher Award, Mr. BasavarajNaik- Best Farm Superintendent Award,Dr. PrakashKerure and Dr.Chaitanya H S-Best Extension Scientist Award,Mr. Ramesh Moolya-Best Service Personnel (A&B) Award, Mr.Nagesh- Best Service Personnel (Group 'C') Award and Smt. Vasnaja Best Service Personnel (Group 'D') Award
6. Dr.Srinivasa H. Hulakoti(Fisheries) was honoured with the "Best Fisheries Scientist" award by the Uttar Pradesh Agro-Environmental Development Institute at the 7th International Conference.

G. Cultural Activities

1. The 8th Inter College Youth Festival named "YuvaLahari" was organized from 06th to 08th January 2023 at Horticulture College, Hiriyur. The students of CoAs, Iruvakki won the first position., CoA (UG), Shivamogga got second and CoH, Hiriyurthird position.

2. 36th Inter University South East Zone Youth Festival GULFEST-2023 held at Gulbarga University, Kalaburagi from 27.01.2023 to 31.01.2023.
    - Ajay, Jyoti C. Guruvannavar, Manoj M K, Prakruthi T V, Rahul Roy H S, Santhosh COF, Ponnampet secured first position in Mime.
    - Abhishek B, COH, Mudigere secured the second position in Clay Modeling.
    - Disha B.R., COA, Iruvakki, Anand S &Akarsh S V, COA (PG), Shivamogga secured third position in Quiz.
    - Supritha R, Sindhu R Hadapad, HirematadaGangadhar, Abhishek P J, MuttuNagappaMallappanavar& Harish S, COA (PG), Shivamogga secured third position in Skit.

3. KSNUAHS, Shivamogga participated in the 36th Inter-University National Youth Festival 2022-23 held at Jain University, Bangalore from 24th to 28th February 2023 and Mr.Abhishek B, COH, Mudigere secured second position in Clay Modeling.

All India Inter Agricultural University Youth Festival:

- KSNUAHS, Shivamogga participated in 21st All India Inter Agricultural Universities Agri-Unifest 2022-23 held at the University of Agricultural Sciences, Bangalore from 13th to 17th March 2023 and Our University secured fourth place in Group dance.

H. Sports Achievement

KSNUAHS 09th Inter-Collegiate Sports& Games Meet:

09th Inter-Collegiate Sports & Games Meet	Date	Venue
Basket Ball (M), Basket Ball (W), Foot Ball (M), Table Tennis (M), Table Tennis (W), Shuttle Badminton (M), and Shuttle Badminton (W).	08th to 10th November 2022	COA, Shivamogga
Kabaddi (M), Kabaddi (W), Ball Badminton (M), Ball Badminton (W), Chess (M) & Chess (W).	12th & 13th January 2023	COF, Ponnampet
KhoKho (M), KhoKho (W), Volley Ball (M), Volley Ball (W), Athletic (M) & Athletic (W).	21st to 23rd January 2023	COA, Shivamogga
Throw Ball (M), Throw Ball (W), Hand Ball (M), Hand Ball (W) & Cricket (M).	07th to 9th February 2023	COA, Shivamogga

- Overall Championship – College of Forestry, Ponnampet.
- Overall Runner up College of Agriculture (UG), Shivamogga.

Participation of students in ICAR-sponsored events:
All India Inter Agricultural University Sports and Games:

21st All India Inter Agricultural Universities Sports and Games meet 2022-23 held at ChaudharyCharan Singh (CCS), Haryana Agricultural University, Hissar from 20th to 24th February 2023.

- Darshan S, COH, Hiriyur got Bronze Medal (3rd Place) in 400 meters (Men).
- Darshan S, COH, Hiriyur, Tejas T E, COH, Hiriyur, TejasGowda H V, COH, Hiriyur&Varun, COA, Shivamogga got Bronze Medal (3rd Place) in 4x400 meter relay (Men).

A. Budgetary Support to the University :

(Rs. in lakhs)

Year	Head of Account	Total Funding From State Government			Funding support from ICAR				Total ICAR Support	Any Other Central Funding**	Grand Total
		Plan	Non Plan	Total	Education Division	AICRP	KVK	Any Other ICAR support*			
		1	2	1+2=3	4	5	6	7	(4+5+6+7) =8	9	3+8+9=10
2022-23	Salaries 2415–80–277–5–01–101	-	4026.59	**4026.59**	-	199.69	543.61	-	**743.30**	**-**	**4769.89**
	General (Contingency, O.R.C. and N.R.C.)2415–80–277–5–01–103	-	430.65	**430.65**	224.59	51.17	88.06	418.73	**782.55**	**182.13**	**1395.33**
	Capital	-	-	**-**	50.00	-	22.65	-	**72.65**	**-**	**72.65**
	Contract / Outsource/ Daily wages 2415–80–277–5–01–115	-	625.40	**625.40**	-	-	-	-	**-**	**-**	**625.40**
	Pensions 2415–80–277–5–01–118	-	1176.43	**1176.43**	-	-	-	-	**-**	**-**	**1176.43**
	Scheduled Caste Sub Plan 2415–80–277–5–01–422	-	156.00	**156.00**	-	-	-	-	**--**	**-**	**156.00**
	Trible Sub Plan 2415–80–277–5–01–423	-	65.00	**65.00**	-	-	-	-		**-**	**65.00**
	NABARD-RIDF-27 4401-00-800-1-02-436	-	2462.79	**2462.79**	-	-	-	-	**-**	**-**	**2462.79**
	Total	**-**	**8942.86**	**8942.86**	**274.59**	**250.86**	**654.32**	**418.73**	**1598.50**	**182.13**	**10723.49**

*including Network Project, Extra Mural etc.**DST, DBT, DASD, ICMR, RKV