

Government Agricultural schemes -Kerala

1. Crop Development

1.1. Food crop Production

1.2. Coconut development

1.3. Development of spices

1.4. Hi-tech Agriculture

1.5. Development of fruits, flowers and medicinal plants

2. Soil and Root Health Management

2.1. Crop health management

2.2. Organic farming and Gap

3. Input and service delivery

3.1. Modernization of labs

3.2. Distribution of quality seedling materials

3.3. Modernization of agri. Extension and HRD

3.4. Biodiversity GermPlasm Conservation.

1. Crop Development

1.1 Food crop Production

1.2.1. Rice Production

OBJECTIVE

- The scheme on rice development thrusts upon promotion of paddy cultivation in the state through group farming and area expansion programmes like fallow land cultivation, single crop to double crop and upland rice cultivation concentrating on the rice growing agro ecological units with natural endowments for augmenting rice productivity.
- Revitalization of paddy cultivation in areas affected by flood will be the focused. The ultimate objective would be to increase the area under rice with an outlay of Rs.11824.00 lakh is provided during 2020-21.

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Group farming	6473.00
2	Area expansion	840.00
3	Registered Seed Growers/ Seed Village	125.00
4	Royalty to owners of cultivable paddy land	4000.00
5	Operation Double Kole	200.00
6	Special Assistance for Pokkali Cultivation	136.00
7	Operationalization of paddy and wet land act 2008.	50.00
	Total	11824.00

Under Group farming, an amount of Rs.6073.00.lakh is set apart for input assistance under sustainable rice development component@ Rs.5500/ha. The support for input assistance will be in the form of quality seeds, inputs (based on AEU based recommendations from Krishi Bhavan), and certification and bio control agents only.

Considering the pivotal role of paddy land conservation in environment protection, an amount of Rs. 4000.00 lakh is set apart for **royalty to the owners of cultivable paddy land** @ Rs.2000/ ha for conserving the cultivable paddy lands.

An amount of Rs. 200.00 lakh is earmarked for 'Operation Double Kole' a component to encourage double cropping in Kole areas.

1.2.2. Development and Promotion of Location Specific Crops

OBJECTIVE

In order to promote the cultivation of minor millets, oil seed crops like groundnut and sesamum and sugarcane in specific AEUs, assistance is provided for procurement of quality seeds, land preparation, irrigation and other cultivation requirements.

Promotion of crop production activities in tribal lands so as to ensure food and nutritional security to tribal population focusing on activities including conservation of traditional varieties and traditional practices with proven scientific basis is also included.

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Attappady Tribal Village Programme	1.00
2	Assistance for cultivation of traditional millets in Thayannamkudi	6.00
3	Athirapally tribal Vally agricultural project	1.00
4	Area Expansion of Sugarcane	100.00
5	Area expansion of sesamum and ground nut	87.00
6	Special programme for marayoor sugarcane -with a emphasis to GI Products	7.00
	Total	202.00

1.1.2.3. Vegetable Development

OBJECTIVE

To promote vegetable production in the state in a safe-to-eat manner and to attain self-sufficiency in the sector. During 2020-21, it will be implemented in a Mission Mode involving all the stake holders in this sector such as Agriculture Development & Farmers' Welfare Department, PACS, FPOs, Kerala Agricultural University, LSGDs, VFPC, HortiCorp and SHM. Co-ordination of all PSUs, ATMA, Organic Farming (GAP, PGS System), Marketing, infrastructure programmes shall be ensured for the success of the programme. Homestead cultivation will be promoted in all the households in the State for producing Safe to Eat vegetables throughout the state.

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Homestead Vegetable cultivation includes Onam Vegetable Cultivation (Onathinu Oru Muram Pachakari)	1807.00
2	Vegetable Cultivation through institution	200.00
3	Development of District Clusters	2619.00
4	Block level federated organizations (Block Sangamatharies)	20.00
5	Additional Support to best performing 'A' graded clusters	5.00
6	Development support to graded clusters	94.75
7	Establishment of nurseries	60.00
8	Rain shelter Cultivation	500.00
9	Promotion of Zero energy cool Chamber	3.00
10	Community drip Irrigation	18.75
11	Promotion of urban clusters , input centres	850.00
12	Digital Documentation	10.00
13	Operational Support	10.00
14	Pesticide Residue analysis in Vegetables	25.00
	Total	6222.00

1.1.2.4. Promotion of Pulses and Tubers

OBJECTIVE

- In order to augment the area and production under various pulse crops viz.cowpea, green gram, black gram, red gram, soya bean and others in the garden land as well as in 3rd crop rice padasekharams an amount of Rs. 50.00 lakh is provided.
- Focus will be given to Onattukara region. An amount of Rs. 100.00 lakh is set apart for development of tuber crops, which includes production and supply of source planting materials and seed multiplication through seed villages.
- Out of this Rs. 10.00lakh is for seed multiplication in tribal areas. Promotion of tubers will be in association with Central Tuber Crops Research Institute.

Components of scheme

An amount of Rs.150.00 lakh is earmarked for this scheme. The component wise breakup of the scheme is shown above:

1.2. Coconut development

OBJECTIVE

The coconut development programme will be implemented in contiguous areas called keragramam covering a minimum area of 250 ha, with the objective of increasing production and productivity through the activities such as replanting, integrated pests and disease management, integrated nutrient management, promotion of inter cultivation, improving irrigation facilities, promotion of value addition, ensuring availability of quality planting materials and employment generation.

The main components of the rejuvenation programme include:

- Cut and removal of old, senile, unproductive and disease advanced palms.
- Replanting with high yielding semi tall and dwarf varieties
- Rejuvenation of existing gardens by adopting integrated management practices
- Assistance for replanting
- Underplanting in old plantations with good quality planting materials.
- Development of existing coconut farms for effective supply of seeds nuts

The activities envisaged by the coconut mission will be carried out. We need to develop good seed coconut farms in the State to cater to the needs of the rejuvenation programme. Aralam Farm has immense potential for being developed as a seed garden for collecting seeds nuts of released tall varieties (West Coast Tall and Laccadive Ordinary) of coconut.

As per the recommendation of the expert team to develop the area to meet the future needs of the state, out of the total outlay of Rs. 2000.00 lakh, an amount of Rs.200.00 lakh is earmarked for Rehabilitation and Rejuvenation of Coconut palms in the Aralam Farm and converting it into a coconut seed farm. This also includes an amount of Rs. 300.00 lakh, which is provided for seed nut procurement and seedling production through reputed PACS and FPOs as per the proposals of these entities for the Coconut Mission programme. The component wise break up is given below

COMPONENTS OF SCHEME		
Sl.no	Components	Amount (Rs.in Lakh)
1	Keragramam	5121.00
2	Development of Model HYV Dwarf Semi-Tall Coconut farms	100.00
3	Pest and Disease Management in coconut gardens on a campaign basis	200.00
4	Rehabilitation and rejuvenation of coconut palms in Kerala as part of coconut mission	2000.00
	Total	7421.00

1.3. Development of Spices

OBJECTIVE

A pepper rehabilitation programme including the components, viz. decentralised pepper nurseries, establishment of new pepper gardens, and revitalization of existing gardens, assistance for area expansion, promotion of Vesicular Arbuscular Mycorrhiza (VAM), farmers varieties, grafts, soil less nursery, support to secondary and micro nutrients, soil ameliorants, prophylactic spraying through Agro Service Centres and revitalization of pepper samithies are envisaged.

A new component viz. Rehabilitation of nutmeg in flood affected areas, for an amount of Rs.100.00 lakh is included for providing assistance for land preparation, planting materials, other inputs and irrigation. Out of this an amount of Rs.25.00 lakh is allocated for rehabilitation and development of nutmeg in Idukki district.

Area expansion of ginger, turmeric, pure/ inter cropping of nutmeg and clove is also included under the programme for which an amount of Rs.54.00 lakh is set apart. Out of this an amount of Rs.10.00 lakh will be for area expansion of ginger, turmeric, nutmeg and clove in Idukki district. Project based support for establishment of nurseries through FPOs and other stakeholders is also included for an amount of Rs.50.00 lakh. The establishment of nurseries by selected FPOs will be through the KVKs of the area.

A separate component for integrated pepper development in Idukki is included for popularization of farmer developed varieties, soil less nursery, support to secondary and micro nutrients, soil ameliorants, prophylactic spraying through agroservice centres, promotion of Vesicular Arbuscular Mycorrhiza (VAM) and revitalization of pepper samithies, for which an amount of Rs.500.00 lakh is set apart. The component wise break up is given below:

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Area Expansion of pepper	100.00

2	Area expansion of other spices (Ginger, Turmeric, Nutmeg, Clove)	54.00
3	Establishment of decentralized nurseries	6.00
4	Revitalization of pepper gardens	200.00
5	Rehabilitation programme of nutmeg in flood affected areas	100.00
6	Projects based support for establishment of nurseries through FPOs	50.00
7	Integrated pepper development in Idukki	500.00
	Total	1010.00

1.3. Hi - Tech Agriculture

OBJECTIVE

During the year 2020-21, an amount of Rs. 250.00 lakh is earmarked as support for establishment of Micro Irrigation/ Fertigation/ Open precision Farming as additional subsidy to top up Centrally Sponsored scheme of PMKSY. 25 per cent assistance will be provided from state plan fund. In order to support the entrepreneurs, it is proposed to develop a network of experts and support groups at state and district level in association with an institution.

The support group covering VHSE people, retired or other professionals could be trained for the purpose. The support for human resource development is for promoting Hi-tech agriculture through State Agricultural Management and Extension Training Institute (SAMETI). An amount of Rs.10.00 lakh is set apart for the component. A portion of the outlay will be utilized for the development of demonstration unit at SAMETI.

The components of the scheme are shown below

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Micro Irrigation /Fertigation/Open precision farming	250.00

2	Human Resource group for technology support and capacity building through SAMETI	10.00
	Total	260.00

1.4. Development of Fruits, Flowers and Medicinal plants

OBJECTIVE

A comprehensive scheme for fruit development will be implemented in the state with the objective of popularizing cultivation of fruit crops. Production and supply of planting material, area expansion programmes, management, harvesting, cold storage, processing, value addition and marketing, supply chain development and all programmes for holistic fruit promotion and enhancement of farmers income will be supported through this scheme. Thrust will be given for promotion of exotic fruits like litchi, rambutan, avocado, mangosteen etc in addition to indigenous fruits. Homestead and commercial cultivation of fruits will be promoted. The project will be implemented by the Department of Agricultural Development and Farmers welfare with the support of Kerala Agricultural University, VFPCCK and HortiCorp.

The breakup of the scheme is shown below

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Development of fruits	2900.00
2	Development of flowers	100.00
3	Development of Medicinal plants	50.00
4	Procurement , trading and processing of jackfruit through VFPCCK	75.00
	Total	260.00

2. Crop Health Management

OBJECTIVE

A pepper rehabilitation programme including the components, viz. Decentralised pepper nurseries, establishment of new pepper gardens, and revitalization of existing gardens, assistance for area expansion, promotion of Vesicular Arbuscular Mycorrhiza (VAM), farmers varieties, grafts, soil less nursery, support to secondary and micro nutrients, soil ameliorants, prophylactic spraying through Agro Service Centres and revitalization of pepper samithies are envisaged. A new component viz. Rehabilitation of nutmeg in flood affected areas, for an amount of Rs.100.00 lakh is included for providing assistance for land preparation, planting materials, other inputs and irrigation. Out of this an amount of Rs. 25.00 lakh is allocated for rehabilitation and development of nutmeg in Idukki district.

A separate component for Integrated pepper development in Idukki is included for popularization of farmer developed varieties, soil less nursery, support to secondary and micro nutrients, soil ameliorants, prophylactic spraying through agroservice centres, promotion of Vesicular Arbuscular Mycorrhiza (VAM) and revitalization of pepper samithies, for which an amount of Rs. 500.00 lakh is set apart.

The component wise break up is given below:

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Pest Forecasting and advisory services	150.00
2	Rodent control and management of wild animal attack	75.00
3	Operational expenses of KCPM and parasite breeding station	1.00
4	Development of nine parasite breeding stations	25.00
5	ICT based pest surveillance system through IITMK	30.00
6	Honorarium to Field assistants	500.00
	Total	781.00

2.1. Organic Farming and Good Agricultural Practices

OBJECTIVE

During 2020-21 it is proposed to assist organic farming and the components of the scheme include assistance for certification, empowerment of GAP clusters, promotional assistance for GAP clusters, green manuring, model units for organic manure preparation and Safe to Eat food production including Participatory Guarantee System (PGS) certification through VFPCCK, Krishibhavans and other stake holders like FPOs.

It is envisaged that 10 percent of beneficiaries of the project will be women. The organic farming activity for vegetables will be part of the Vegetable Mission 2020-2021. Out of this an amount of Rs. 10.00 lakh each is set apart for organic farming of fruits and vegetables and certification in Idukki and Wayanad district. An amount of Rs.40.00 lakh is earmarked for undertaking activities supporting organic farming for safe to eat food production in the state. The components of the scheme are shown below.

COMPONENTS OF SCHEME

Sl.no	Components	Amount (Rs.in Lakh)
1	Assistance for ecoshops for marketing	47.00
2	Support for implementation	40.00
3	Organic farming of fruits and vegetables through SHGs and VFPCCK	75.00
	Total	162.00

3.INPUT AND SERVICE DELIVERY

3.1. Production and Distribution of Quality Planting Materials

The Departmental Farms are to be modernized to function not only as production centers of quality planting materials but also as centers of demonstration of advanced agricultural technology for Hi-Tech farming. The farms have to be with basic as well as sophisticated infrastructural facilities like green houses, irrigation support, tissue culture and hardening facilities, seed processing and storage facilities. Heavy floods and landslips have resulted in damage to farm lands, infrastructure and machinery of farms. Restoration of these farms is highly essential to meet the requirements of planting materials.

The outlay of Rs. 1921.00 lakh will be utilized for the purchase of newly evolved nucleus planting materials, maintenance of existing and establishment of new progeny orchards, production of planting materials and infrastructure works.

An amount of Rs. 1480.00 lakh is set apart for production of planting materials, out of which Rs. 650.00 lakh is for routine planting material production including rooted pepper cutting. An amount of Rs. 200.00 lakh is set apart for seed production programme in department farms and Rs. 80.00 lakh for purchase of newly evolved nucleus planting materials and maintenance of existing and establishment of new progeny orchards.

An amount of Rs. 15.00 lakh is earmarked towards temporary man power support to Biotechnology and Model Floriculture Centre and tissue culture laboratories established at other two farms, for the production of quality tissue culture plants.

An amount of Rs. 300.00 lakh is earmarked for propagation and management of coffee including drip irrigation in nurseries. The component wise breakup of the scheme is shown above.

COMPONENTS OF SCHEME		
Sl.no	Components	Amount (Rs.in Lakh)
1	Routine Planting material production including rooted pepper cuttings	650.00
2	Kerasamruddi	450.00

3	Maintenance of progeny orchards and establishing new progeny orchards	80.00
4.	Production of planting materials of fruits and vegetables through	100.00
5.	Seed production programme in departmental farms	200.00
6	Operation and technology support to demonstration units for HTT units and integrated farming system in departmental farms	75.00
7	Manpower support to e TC labs	15.00
8	Propagation and management of coffee including drip irrigation	300.00
	Total	1870.00