

CIRCULAR

Sub:- Annual Plan 2021-2022- **Scheme for Promotion of Pulses & Tubers - H.o.A. 2401-00-112-96 P** - Working Instructions issued- reg.

Ref:- 1. G.O. (Rt.) No. 500/2021/AGRI dated 16/06/2021
2. G.O. (Rt.) No. 568/2021/AGRI dtated 05/07/2021

In the annual plan 2021-22, there is a budget provision of Rs. 243 Lakh for the scheme "Promotion of Pulses & Tubers". Accordingly, Government have accorded administrative sanction for the implementation of the scheme for an amount of Rs. 150 Lakh vide order 1st cited, under the head of account 2401-00-112-96 (P) subject to the condition that focus will be given to the Onattukara region. Similarly, as per the reference 2nd cited, Government has also accorded administrative sanction for the implementation of the component 'Subhiksha Keralam' for Promotion of Pulses and Tubers at a total cost of Rs. 93 lakh. Accordingly, the working instructions are issued for the implementation of the components Promotion of Pulses and Subhiksha Keralam under the scheme Promotion of Pulses and Tubers for an amount of Rs. 153 lakh during 2021-22 as detailed below. Separate working instructions will be issued for the balance amount of Rs. 90 lakh for the component development of tubers.

A. Development of Pulses

The major food crops of our state comprise paddy and pulses. But many of the indigenous varieties are seldom available indicating the loss of biodiversity. One of the main, reasons for such loss of germplasm attributed by the farmer is the high cost of labour and inputs and situations aggravated by the drastic changes in the climate. Pulses are the important source of protein to the mankind. But the area under pulses cultivation has been declining consistently over the last several years.

Objectives:-

The main objectives of the scheme are the following.

- To promote pulses cultivation in the traditional pulse growing tracts of the

state to bring back the original status of production

- To increase the income from farming by way of utilizing the rice fallows after the second and third crop.
- To serve as the catch crop in paddy fields after cultivation.
- To enrich the soil with rhizobium and organic matter by way of cultivating leguminous crops.
- To promote fodder cowpea in summer rice fallows to ensure nutritive feed for the cattle utilizing residual soil moisture and also replenish soil fertility

Crops proposed

The crops proposed for the programme are Black gram, Cow pea, French bean, Green gram, Horse gram, Red gram and Soya Bean.

Management of the crop

Suitable management practices as per the Package of Practices of Kerala Agricultural University would be followed for maximizing yield and thereby income. Seed treatment with Rhizobium would also be carried out. The crop residues after harvest would be ploughed in to the field for nutrient enrichment.

The main season of planting would be summer season where the rice fallows could be utilized. However, for cowpea when grown as a rainfed crop, the season would be the month of June. But the crop can be grown throughout the season. Cow pea could be sown as a fringe crop during the second crop season also. But since this programme aims mainly at increasing the production, growing cowpea as pure crop is suggested. French beans are proposed for the high altitude regions such as Attappady hills of Palakkad region. The main cropping season suggested for the programme is during the summer season.

Assistance

The crucial input regarding pulses cultivation is the seeds. It is estimated that about Rs. 50,000/- is required for cultivating an area of one hectare including the cost of

seeds, fertilisers, manures and land preparation. 40% of the estimated cost amounting to **Rs. 20,000/-** per ha will be provided as subsidy. All the practicing small and marginal farmers only are eligible for assistance. It is proposed to cover an area of **300 ha** under pulses cultivation in Kerala, utilizing an amount of **Rs. 60.00 Lakh**.

Mode of implementation

The selection of beneficiaries would be carried out by giving wide publicity of the programme and inviting applications. This programme would be implemented in a 'Campaign Mode' wherever possible. Efforts should be made for the selection of a contiguous area as far as possible to serve a demonstration value. Promotion of cultivation of fodder cowpea in summer rice fallows will be taken up in co-ordination with dairy development department/dairy co-operatives. The variety-wise, Krishi Bhavan-wise seed requirement will be assessed by the Principal Agricultural Officers and can be arranged from Government agencies like NSC, KAU, KSSDA etc well in advance for effecting the supply of seed in time. The physical and financial targets allotted for the districts are furnished as **Annexure -I**

B. Subhiksha Keralam

1. Promotion of Tubers

Tuber crops are considered as important food security crops. Considering the different maturity periods of released varieties, they suit well to the various mixed cropping patterns followed by farmers of Kerala. This would facilitate farmers to generate more income per unit area and also utilize fallow lands for cultivation.

The following activities will be given assistance under this programme:

a) Inter cropping with Tuber Crops

Tuber crops are highly suitable for inter cropping in coconut / arecanut gardens in all growth stages. This will help supplement the income of the farmers.

It is proposed to provide assistance at the rate of **Rs. 10,000/- per hectare** to farmers / groups for carrying out intercropping with tuber crops.

An amount of **Rs. 57 lakh** (Rupees Fifty Seven lakh only) is set apart for this component for inter cropping with Tuber crops in **570 ha**. The physical and financial targets allotted for the districts are furnished as Annexure -II.

b) Fallow land cultivation of Tuber crops

As tubers contribute significantly to the carbohydrate requirement, it is proposed to bring more fallow land under tuber cultivation with the active participation of the

concerned LSGD, MNREGS and Kudumbasree. Assistance at the rate of Rs. 30,000/- per hectare will be provided to farmers / groups for fallow land cultivation of tuber crops as shown below:

Assistance for the land owner//ha (Rs.)	Assistance for the cultivator / ha (Rs.)	Total assistance (Rs.)
Rs. 3000 per ha	Rs. 27000 per ha	Rs. 30000 per ha

An amount of **Rs. 21 lakh** (Rupees Twenty One Lakh only) is set apart for fallow land cultivation of tubers in an area of **70 ha**. The physical and financial targets allotted for the districts are furnished as **Annexure -II**.

2. Promotion of Pulses

The main season of planting would be summer season where the rice fallows could be utilized. Pulses suitable for our State include Black Gram, horse gram, red gram, Green Gram and cowpea. Black gram may be grown in rice fallows after the harvest of first or second crop of paddy. It can also be grown as pure or mixed crop. Green gram is grown as a pure crop in rice fallows after the harvest of the first or second crop of paddy. Horse gram can be grown in uplands during rabi season. Cowpea can be grown throughout the year under Kerala conditions. French beans are proposed for the high altitude regions such as Attapadi hills of Palakkad region.

The selection of beneficiaries would be carried out by giving wide publicity of the programme and inviting applications. Efforts should be made for the selection of contiguous area as far as possible to serve a demonstration value. Promotion of cultivation of fodder cowpea in summer rice fallows will be taken up in coordination with Dairy development department / Dairy co-operatives.

It is proposed to utilize an amount of **Rs. 15.00 lakh** (Rupees Fifteen lakh only) for fallow land cultivation of Pulses in an area of **50 ha**. The physical and financial targets allotted for the districts are furnished as Annexure -III.

The assistance shall be given as follows:

Assistance for the land owner/ha (Rs.)	Assistance for the cultivator /ha (Rs.)	Total assistance/ha (Rs.)
Rs. 3000 per ha	Rs. 27000 per ha	Rs. 30000 per ha

Financial Outlay

During 2021-22, a total budget outlay of **Rs. 243 lakh** is set apart for the implementation of the scheme 'Promotion of Pulses and Tubers' under the Head of Account **2401-00-112-96(P)**.

Promotion of Pulses and Tubers

Sl. No.	Component	Rate of Assistance (Rs./ha)	Area / No. proposed to be covered	Total amount required (Rs. In lakhs)
A.	Development of Pulses	20000/ha	300 ha	60.00
B.	Subhiksha Keralam			
1.	Promotion of Tubers			
a)	Inter cropping with Tuber crops	10000/ha	570 ha	57.00
b)	Fallow land cultivation of Tuber crops	30000/ha	70 ha	21.00
	Sub total (Tubers)			78.00
2.	Promotion of Pulses – Fallow land cultivation of Pulses	30000/ha	50 ha	15.00
	Total (Subhiksha Keralam)			93.00
	Grand Total			153.00

Monitoring, evaluation and documentation

The Principal Agriculture Officers of the respective districts would be in charge of the district level implementation of the programme. Deputy Director of Agriculture (WM) would be the nodal officer at the district level. The Block level Assistant Directors would be monitoring the programme at block level. The Agricultural Officers / Agricultural Field Officers of the Krishi Bhavans are in charge of the implementation of programme at Panchayat/Municipality/Corporation level.

Additional Director of Agriculture (Farms/Biogas/Vegetables) will monitor and review the scheme at the State level. The Principal Agricultural Officers should invariably submit monthly progress report in the prescribed proforma on or before 5th of every month. Since the Government is giving emphasis to women participation and gender budgeting, maximum efforts have to be made to include women beneficiaries in the scheme.

The expenditure will be met from the Head of Account **2401 – 00 – 112 – 96** Plan.
The receipt of this circular should be acknowledged.

sd/-

Director of Agriculture

To

All Principal Agricultural Officers

Copy to

CA to Director of Agriculture

CA to all Addnl. Directors of Agriculture

Planning section for allotting funds to the Districts.

DDA, IT Cell for publishing in the website

Stock file/Spare


V. R. SONYA
Additional Director of Agriculture (Farms, VC & Biogas)
Directorate of Agricultural Development
and Farmer's Welfare Department
Vikas Bhavan, Thiruvananthapuram - 33

ANNEXURE -I

Physical And Financial Targets of Development of Pulses for 2021-22

Head of Account 2401-00-112-96 Plan

Sl No	Name of District	Physical Target in Ha	Financial Target (Rs. in lakh)
1	Thiruvananthapuram	15	3.00
2	Kollam	21	4.20
3	Pathanamthitta	15	3.00
4	Alapuzha	25	5.00
5	Kottayam	23	4.60
6	Idukki	18	3.60
7	Ernakulam	21	4.20
8	Thrissur	27	5.40
9	Palakkad	39	7.80
10	Malappuram	18	3.60
11	Kozhikode	23	4.60
12	Wayanad	14	2.80
13	Kannur	23	4.60
14	Kasaragod	18	3.60
	TOTAL	300 ha	60.00 lakh

ANNEXURE -II

Physical And Financial Targets of Subhiksha Kerlam – Promotion of Tubers 2021-22

Head of Account 2401-00-112-96 Plan

Sl. No.	Name of District	Intercropping with Tuber Crops @ 10000/ha		Fallow land cultivation of Tuber Crops @ 30000/ha		Total amount (Rs. In Lakh)
		Area (ha)	Financial target (Rs. In Lakh)	Area (ha)	Financial target (Rs. In Lakh)	
1	Thiruvananthapuram	45	4.50	5	1.50	6.00
2	Kollam	45	4.50	5	1.50	6.00
3	Pathanamthitta	40	4.00	5	1.50	5.50
4	Alappuzha	45	4.50	5	1.50	6.00
5	Kottayam	40	4.00	5	1.50	5.50
6	Idukki	40	4.00	5	1.50	5.50
7	Ernakulam	40	4.00	5	1.50	5.50
8	Thrissur	40	4.00	5	1.50	5.50
9	Palakkad	40	4.00	5	1.50	5.50
10	Malappuram	40	4.00	5	1.50	5.50
11	Kozhikode	40	4.00	5	1.50	5.50
12	Wyanad	40	4.00	5	1.50	5.50
13	Kannur	40	4.00	5	1.50	5.50
14	Kasargode	35	3.50	5	1.50	5.00
	TOTAL	570	57.00	70	21.00	78.00

ANNEXURE -III

Physical And Financial Targets of Subhiksha Kerlam – Promotion of Pulses 2021-22

Head of Account 2401-00-112-96 Plan

Sl No	Name of District	Physical Target in Ha	Financial Target (Rs. in lakh)
1	Thiruvananthapuram	2.5	0.75
2	Kollam	5.0	1.50
3	Pathanamthitta	2.5	0.75
4	Alapuzha	5.0	1.50
5	Kottayam	3.0	0.90
6	Idukki	3.0	0.90
7	Ernakulam	3.0	0.90
8	Thrissur	5.0	1.50
9	Palakkad	7.0	2.10
10	Malappuram	3.0	0.90
11	Kozhikode	3.0	0.90
12	Wayanad	2.5	0.75
13	Kannur	3.0	0.90
14	Kasaragod	2.5	0.75
	TOTAL	50 ha	Rs. 15.00 lakh

PROFORMA

Monthly Progress report for the month of -----2021

Name of District :

Name of scheme :

Financial Year :

Head of Account :

Name of Component s & sub- component s	Physical (ha)		Financial (Rs. In lakh)		No of beneficiaries					
	Target	Achievement	Target	Achievement	Male	Female	Total	General	SC/ ST	Total

Signature
Principal Agricultural Officer