

TD(1)22244/19

Directorate of Agricultural
Development & Farmers'
Welfare Department
Vikas Bhavan

Dated : 19/06/2019

Email: adaplantprotection@gmail.com

CIRCULAR

Sub : Coconut Development scheme 2019-20- Organizing Pest & Disease Management campaign in coconut garden on a campaign basis-working instructions for implementation- orders issued-reg

- Ref : 1) Order No.TP(2) 12924/19 dated 24.05.2019
2) G.O(Rt) No.643/2017/AD dated 29.06.2017
3) G.O(Rt) No.597/2017/AD dated 06.06.2017

Administrative Sanction was received for Coconut Development scheme during 2017-18 vide reference 2nd and 3rd cited and the scheme is continuing during 2019-20 with a financial allocation of Rs.6200 lakhs.

As per the order cited 1st above, continuous sanction has been accorded for implementation of the scheme Coconut Development- 2019-20 with an allocation of Rs.6200 lakhs under the Head of account 2401-00-103-87 plan. Pest and Disease Management in coconut gardens on a campaign basis is a major component of the programme with a financial allocation of Rs. 200 lakhs.

Coconut palm (*Cocos nucifera L*) is one of the most important crop that provides a variety of useful products like food, fuel and timber. India ranks 3rd in production (12822 million nuts) from an area of 1.89 million ha and contributing to 26.06% share of total coconut production from different coconut producing countries of the world. Kerala contributes 34.4% of national production from an area of 7930856 ha.

The major pests affecting the coconut palm are rhinoceros beetle, the red palm weevil and cockchafer beetle. These pests are generally found throughout the state. The rhinoceros beetle attacked palms are prone to red palm weevil attack and if control measures are not adopted at the appropriate time may lead to complete loss of palm. Besides diseases like bud rot, leaf rot, stem bleeding etc are also seen associated in the palms attacked by the beetles. All these problems may lead to noticeable yield reduction of the crop. Taking into account the above facts, this project is being proposed so that the crop can be protected from major pest and diseases of coconut by adopting suitable "Integrated Pest Management" practices as per the Package of Practices Recommendation of KAU and recommendations of CPCRI and CDB.

Objectives

- Identification of hotspots of pest/disease attack in each panchayat based on surveillance data.
- Preparation of action plan for implementing the eradication programme and arranging campaign with the active participation of local self government departments, farmer groups, Agro Service Centres/Karmasena, research institutions (KAU, CPCRI) and all other stake holder.
- Providing training and awareness to the stake holders and department officials
- Providing infrastructures like sprayers, chemicals, bio control agents etc to the Plant Protection surveillance groups.
- Field level implementation in a campaign mode.
- Appraisal and monitoring in a quarterly basis by a monitoring committee at Panchayat, Block, District and State level.

Main components of the scheme are

1. Workshop for identification of Hotspots (Rs. 2.8 lakhs)

Workshops will be organized for identifying the hotspots in panchayats and plant protection operations will be undertaken accordingly. An amount of **Rs.10,000/-** will be allotted for one workshop. 28 workshops will be conducted with a total financial allocation of Rs.2.8 lakhs.

2. Block level training to Plant Protection groups in Integrated Pest Management (Rs. 7.00 lakhs)

Block level training will be imparted to the plant protection groups comprising of Karshika Karmasena/farmer groups covering the different methods of plant protection to be adopted including IPM as per Package of Practices recommendation of KAU and recommendations of CPCRI/CDB. The group should be made aware of safe handling and use of plant protection equipments, and chemicals. An amount of **Rs.25000/-** will be given as assistance for one training. 28 trainings will be conducted with a total financial allocation of **Rs.7.00 lakhs.**

3. Plant Protection Operations (Rs.189.70 lakhs)

Palms in the hotspots identified will be treated for pest/disease infestation and an amount of **Rs.100/palm** will be given for the purchase of pesticides including labour charges. **175 palms will be treated in one ha and Rs.17500 will be sanctioned per Ha. It is proposed to cover 1084 Ha. With a total financial allocation of Rs. 189.70 lakhs.** Additional fund if required can be met by submitting projects to LSGD.

Plant protection equipments available in the Krishi Bhavans, Agro Service Centres, Plant Health Clinics etc can be made use for the campaign.

4. Mode of implementation

Suitable proposals for the management of major pests/ diseases of coconut (Rhinoceros beetle, Red palm weevil , bud rot ,stem bleeding etc) on a contiguous area should be prepared at district level. For projects amounting upto Rs.10.0 lakhs , approval can be given by district level committees (comprising of Principal Agricultural Officer, Deputy Director of Agriculture (YP) & Assistant Director of Agriculture concerned). Project proposals exceeding Rs.10.0 lakhs should be submitted to the Directorate for approval.

Pest/ disease affected zones should be identified at district level workshops and detailed action plan should be prepared based on the number of palms to be treated / sprayed for implementing the programme.

The inputs required viz. Plant protection chemicals, equipments, labour etc. can be mobilised through Service Co-operative banks / Karshika Karmasena / Agro Service centres/ Krishi bhavans by the Agricultural officers & Assistant Director of Agriculture concerned .

Wide publicity for the programme should be given through various print and electronic media and through Farm Information Bureau.

The programme will be implemented in a campaign mode with the active participation of local self government departments, farmer groups, Agro Service Centres/Karmasena, research institutions (KAU, CPCRI) and all other stake holders. All the activities of the plant protection group should be strictly monitored and supervised by the staff of Krishi Bhavan and respective ADA's with the active participation of LSGD. The ATMA staff/group, Crop Health Management (Pest scout) etc should also extend their support and participation in this regard, Principal Agricultural Officers and Project Director ATMA, should co-ordinate the activities of the programme in each district ensuring the full involvement of the concerned (DDA (YP) . All the activities under the programme should be properly documented .

Physical and financial allocation is given as annexure

5 . Monitoring and supervision

Appraisal and monitoring of the scheme which will be implemented in a campaign mode should be done by a monitoring committee. The monitoring committee is to be formed at Panchayat, Block, District and State level and the progress of the campaign evaluated and reported to the Directorate in a quarterly basis by DDA(YP)

The block level and panchayat level targets should be assigned immediately on receipt of this circular and the same intimated to this office.

Abstract of the component

Sl. No	Item	Rate	Target	
			Physical	Amount in lakhs
1	Conduct of workshops	Rs.10000/-	28 nos	2.80
2	Training to Plant Protection Groups	Rs.25000/-	28 nos	7.00
3	Plant protection operations @ Rs.100/- per palm including cost of PPC and labour	Rs.17500/- per ha	1084 ha	189.70
4	Unforeseen expenses (for State and District level meetings etc.)			0.50
	TOTAL			200

The total financial outlay of the component is **Rs. 200 Lakhs** and this will be met from the scheme Establishment of Model Demonstration Plots and Organizing Pest & Disease Management campaign- 2019-20 under **H/A 2401-00-103-87 Plan**.

Sd/-
Director of Agriculture

To
All Principal Agricultural Officers and Project Directors, ATMA

Copy to

1. TA to Director of Agriculture
2. CA to all Additional DAs
3. All JDAs at HQ / SFO
4. Finance section
5. Planning section
6. SW section
7. Stock file/Spare
6. IT Cell for publishing in web site


S. SWARNAVI
Plant Protection Officer
Agriculture Development and
Farmers Welfare Directorate
Vikas Bhavan, A/ptn-33

**Coconut Development scheme 2019-20- Organizing Pest & Disease Management campaign
Component wise target and allocation to districts**

H/A 2401-00-103-87

Sl.No	Districts	Workshops@Rs.10,000		Training@Rs.25,000		Plant protection operations @Rs.17,500/ha		Documentation/Unfore seen expenses	Total
		Phy (No)	Fin(Lakhs)	Phy (No)	Fin(Lakhs)	Phy (Ha)	Fin(Lakhs)		
1	TVM	2	0.2	2	0.5	60	10.5	0.03	11.23
2	KLM	2	0.2	2	0.5	60	10.5	0.03	11.23
3	PTA	2	0.2	2	0.5	20	3.5	0.03	4.230
4	ALP	2	0.2	2	0.5	280	49	0.03	49.73
5	KTM	2	0.2	2	0.5	20	3.5	0.03	4.23
6	IDK	2	0.2	2	0.5	10	1.75	0.03	2.480
7	EKM	2	0.2	2	0.5	30	5.25	0.03	5.980
8	TCR	2	0.2	2	0.5	20	3.5	0.03	4.230
9	PGT	2	0.2	2	0.5	380	66.5	0.03	67.23
10	MLM	2	0.2	2	0.5	30	5.25	0.03	5.980
11	KKD	2	0.2	2	0.5	14	2.45	0.03	3.180
12	WYD	2	0.2	2	0.5	60	10.5	0.03	11.23
13	KNR	2	0.2	2	0.5	50	8.75	0.03	9.480
14	KGD	2	0.2	2	0.5	50	8.75	0.03	9.48
15	HQ	0	0	0	0	0	0	0.08	0.08
	Total	28	2.8	28	7	1084	189.7	0.5	200

Sd/-
Director of Agriculture