

# **Chandranna Rythu Kshetralu (CRKs)**



## CHANDRANNA RYTHU KSHETRALU (CRKS)

In Andhra Pradesh important crops like Paddy, Pulses, Coarse cereals, Oilseeds and Cotton are cultivated in considerable area. The production and productivity in majority of crops is below the possible potential. There is every need to motivate and sensitise the farmers regarding best management practices and the importance of location specific critical interventions for achieving enhanced productivity in different crops. In order to enhance the productivity of these crops, special programme involving gross root level extension functionaries and farmers is proposed to conduct.

### Chandranna Rythu Kshetralu -

(CRKS) on Farm demonstrations with latest technological interventions and by close monitoring of higher officials not only from the district but also from office of C&DA. The farmers will also be exposed to these interventions at different crop growth stages to realise the advantage of these interventions in enhancing the productivity. The achievable growth in terms of productivity per acre and also their performance in monitoring and controlling pests and other agronomic practices in each crop, will be fixed by the district JDAs keeping in view of the present status and definite possible increase in productivity. The concerned officers are personally responsible for implementation and achieving the targets.

### Objective :

- programme implemented in the farmers field itself to promote best
- agronomic and farm management practices for achieving **increase in productivity and Reducing Cost of cultivation**

### Guidelines in conducting the CRKS During 2016-17

#### Methodology & Subsidy pattern:

1. **CHANDRANNA RYTHU KSHETRALU (CRKS)**- It is an On Farm demonstrations of 10 ha each cluster for each of MPEO, AEO at village level, MAO in Mandal and ADA(R) in Agriculture Division.
2. The villages for conducting **CRKS- On Farm Demonstrations** will be selected based on the major crops grown in their respective jurisdiction.
3. The MPEO, AEO conducts **CRKS- OFDs** in the crop covering major area in the Village, MAO in Mandal, similarly ADA(R) in Agriculture Division.
4. While identifying the cluster, care should be taken to cover maximum number of farmers and no farmer shall be allotted more than 2 ha. Involve progressive and interested farmers willing to participate.
5. For conducting **CRKS OFDs**, an amount of **Rs.5000/ha** is provided as input subsidy as given below.

- |   |                    |
|---|--------------------|
| a) <b>Green Manuring for Paddy / application of gypsum for Groundnut / Borax for Sunflower / Zn for other crops &amp; Paddy</b> | <b>Rs. 1700/ha</b> |
| b) <b>Neem Cake – (Spraying cost not more than Rs.500/- )</b>   | <b>Rs.1000/ha</b>  |
| c) <b>Neem Oil (Azadiracting 1500 ppm /2sprayings )</b>   | <b>Rs 1000/ha</b>  |

d) Bio agents & Bio fertilizers

**Rs. 800/ha**

e) Conducting Field Day including crop cutting

Experiment ,video recording and cost of field board

**Rs.500/ha**

The total cost of composition of inputs as indicated above as per the choice of the interventions **shall not exceed Rs.5000/ha. The above inputs may be procured as per the department Plan.**

### **Process of conducting demonstrations:**

1. Bench mark survey should be conducted to ascertain the present status of productivity and production at village level.
2. The CRK demonstration should be taken in best performing villages of CMSA .
3. Selection of cluster should be nearer to the road or easily visible or accessible, so that more no. of farmers can observe the impact of technological interventions.
4. The selected farmers shall be oriented on the objective, methodology of conducting the demonstration and motivate other farmers.
5. Critical interventions for supply of subsidised inputs shall be need based to enhance the productivity.
6. Soil samples to be drawn @ one sample for each ha representating the entire area..
7. CRK register shall be maintained at Officer level(MPEO,AEO,MAO&ADA) and the number of field visits should be registered. The Field Register should contain.
  - ★ INDEX
  - ★ Benchmark Survey details
  - ★ Village Map demarcating the CRK plot
  - ★ Soil sample analysis report
  - ★ Critical Interventions Identified Cluster Wise
  - ★ Farmer details ( Name of the Farmer, Fathers Name ,Village, Mandal, Survey No. ,Extent, Caste/ Category etc.)
  - ★ Farmer wise Inputs details( Farmer's Name, Name of the input given ,Qty. given, signature of the farmer)
  - ★ Cost of Cultivation details compared to Control Plot.
  - ★ Remarks of the Visiting Officers
8. Field boards shall be displayed in each cluster clearly indicating the crop selected, variety, date of sowing, critical interventions and the number of farmers in the cluster.
9. The cluster selected shall be digitized on GPS and the list of farmers to be mailed to this office.

10. During crop growth period the performance of crop should be recorded through digital camera.
11. One or two training classes should be conducted involving ANGRAU Scientists to create awareness of best management practices in concerned crop of CRKS.
12. Filed Day should be conducted involving local farmers, public representatives, press and electronic media, at the time of harvesting and conduct crop cutting experiments in their presence. These proceedings shall be video graphed and uploaded.
13. A fortnightly report should be submitted to the immediate higher official on every first and third Tuesday.
14. The JDA should send the fortnightly progress report on CRKS on every first and third Thursday to C&DA Office and monthly reports in the prescribed proforma (1-7) along with field inspection report.
15. The application of critical inputs/interventions should be done in presence of local farmers to create awareness and importance of the intervention for achieving higher productivity.
16. Their reports should contain the feedback from the demo farmers on critical interventions and any important events worth mentioning should be included.
17. The Physical & required financial provision is indicated in the **Annexure** district wise and the expenditure may be met from funds allotted under Normal State plan during 2016-17.(SCSP-17.1%; TSP-5.53%)
18. The MPEOs/AEOs/MAOs/ADAs are personally responsible for CRKS .Their performance will be judged based on results achieved by conducting **Crop Cutting Experiments**. JDA also must fix a target and monitor their performance in adopting crop specific interventions & controlling pests and diseases in each crop with definite possible increase in productivity.
19. Senior officer will be the observer, deputed from O/o C&DA to monitor the conducting of CRKS.
20. The JDA is responsible for monitoring the CRKs programme in the District.In addition to the JDA, regular monitoring should be done for effective implementation of CRKs by Dist level officers such as DDA O/o JDA, DDA (FTC), DDA (SC), Each dist. level officer may be made in-charge for 3-4 divisions
21. These officers are supposed to visit all the allotted divisions in a month for which he is made in-charge (*Proforma for Inspection report enclosed*). They should invariably visit at least one division in a week covering all mandals of the division.
22. They should furnish a report on his visit and observations noted on the organization of CRKs in the proforma(Field Ins Report) communicated to the dist. JDAs immediately after return and submit a copy of the same report to C & DAs office. It is also instructed that they should report CRKs through Tabs right from coordination of the fields, names of the beneficiaries , photos of meetings , photos of crop condition , inputs supplied, CC results etc.
23. The monitoring is a mandatory to the dist. level officers.

24. After completing the demonstrations the results shall be published and circulated widely in local press and electronic media, so that more number of farmers will adopt these practices and result in enhanced productivity.
- 25. Each critical input should be service sampled batch wise and consignment wise( even the samr batch should be drawn, at different periods) and after obtaining the results only, they have to be distributed and payments should be made to concerned firms.**
- 26. Cost of cultivation has to be worked out for each CRK and compare with control plot.**

**Time Frame for implementing CRKS during 2017-18.**

1. Selection of beneficiaries and demonstration plots should be completed well before the start of Kharif season and finalization of critical inputs and interventions by 15<sup>th</sup> June.and for Rabi by 15<sup>th</sup> October.
2. Keeping stock of required inputs at mandal level before 15<sup>th</sup> June and distribution of inputs by 20<sup>th</sup> June.

**Special focus on cost reduction, rational use of fertilizers and only need based plant protection pesticides are to be used to minimize the input cost and chemical residues.**

District Wise, Officer wise & Season Wise CRKs During 2017-18

S.No	District	Officer wise					Season Wise				Category Wise				Financial in Rs. Lakhs											
		No. of sub divisions (ADAs)	No. of Mandals (MAOs)	No. of AEOs	Nos of MPEOS	TOTAL	K-17	R-17-18	Total	Total 17-18				330 subsidies				500/503 OOE				Grand Total				
										Gen	SCP	TSP	Total	Gen	SCP	TSP	Total	Gen	SCP	TSP	Total	Gen	SCP	TSP	Total	
1	Srikakulam	9	38	54	33	134	86	48	134	104	24	6	134	46.80	10.80	2.70	60.30	4.42	1.02	0.26	5.70	51.22	11.82	2.96	66.00	
2	Vizianagaram	8	34	78	51	171	108	63	171	132	31	8	171	59.40	13.95	3.60	76.95	5.61	1.32	0.34	7.27	65.01	15.27	3.94	84.22	
3	Vishakapatnam	10	43	72	46	171	109	62	171	133	10	28	171	59.85	4.50	12.60	76.95	5.65	0.43	1.19	7.27	65.50	4.93	13.79	84.22	
4	East Godavari	18	64	93	111	286	178	108	286	224	49	13	286	100.80	22.05	5.85	128.70	9.52	2.08	0.55	12.16	110.32	24.13	6.40	140.86	
5	West Godavari	12	48	76	119	255	159	96	255	198	46	11	255	89.10	20.70	4.95	114.75	8.42	1.96	0.47	10.84	97.52	22.66	5.42	125.59	
6	Krishna	16	50	62	138	266	165	101	266	206	47	13	266	92.70	21.15	5.85	119.70	8.76	2.00	0.55	11.31	101.46	23.15	6.40	131.01	
7	Guntur	12	57	129	176	374	231	143	374	290	65	19	374	130.50	29.25	8.55	168.30	12.33	2.76	0.81	15.90	142.83	32.01	9.36	184.20	
8	Prakasam	12	56	79	199	346	214	132	346	268	63	17	348	120.60	28.35	7.65	156.60	11.39	2.68	0.72	14.79	131.99	31.03	8.37	171.39	
9	Nellore	12	46	47	80	185	33	152	185	144	32	9	185	64.80	14.40	4.05	83.25	6.12	1.36	0.38	7.86	70.92	15.76	4.43	91.11	
10	Kurnool	11	53	152	220	436	268	168	436	338	77	21	436	152.10	34.65	9.45	196.20	14.37	3.27	0.89	18.53	166.47	37.92	10.34	214.73	
11	Ananthapur	11	61	65	260	397	245	152	397	309	70	18	397	139.05	31.50	8.10	178.65	13.13	2.98	0.77	16.87	152.18	34.48	8.87	195.52	
12	Kadapa	12	51	62	96	221	139	82	221	171	39	11	221	76.95	17.55	4.95	99.45	7.27	1.66	0.47	9.39	84.22	19.21	5.42	108.84	
13	Chittoor	11	66	93	88	258	161	97	258	198	45	13	256	89.10	20.25	5.85	115.20	8.42	1.91	0.55	10.88	97.52	22.16	6.40	126.08	
	<b>Total</b>	<b>154</b>	<b>667</b>	<b>1062</b>	<b>1617</b>	<b>3500</b>	<b>2096</b>	<b>1404</b>	<b>3500</b>	<b>2715</b>	<b>598</b>	<b>187</b>	<b>3500</b>	<b>1221.75</b>	<b>269.10</b>	<b>84.15</b>	<b>1575.00</b>	<b>115.39</b>	<b>25.42</b>	<b>7.95</b>	<b>148.76</b>	<b>1337.14</b>	<b>294.52</b>	<b>92.10</b>	<b>1723.76</b>	

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