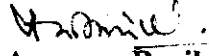


No. 9-7/2016-MM-I(OS)
Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture, Cooperation & Farmers Welfare
(Oil Seeds Division)

Krishi Bhawan, New Delhi
Dated the 19th October, 2016


**Subject: Monitoring of crop condition & prospects and implementation NMOOP in
Telangana State-Follow up action-regarding.**

The undersigned is directed to forward ~~ed~~ herewith a copy of tour report of Shri Jitendra Kumar, Assistant Director (Oilseeds) and Dr. D.U. Dupare, Principal Scientist, IISR, Indore for visit of National Level Monitoring Team to Telangana State from 19th to 21st September, 2016 for necessary follow-up action on the issues contained under para 1.5 of the report.


(Dr. Anupam Barik)
Addl. Commissioner (Oilseeds)

Distribution:

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- 2) Commissioner of Horticulture, Government of Telangana, D Block, Secretariat, Hyderabad-550022.
- 3) Dr. D.U. Dupare, Principal Scientist, IISR, Khandwa Road, Indore-452001 (budupare@rediffmail.com).
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 Pragammu (OS), Sh. Bh.

Tour report of Shri Jitendra Kumar, Assistant Director (Oilseeds) and Dr. D.U. Dupare, Principal Scientist, IISR, Indore for visit of National Level Monitoring Team to Telangana State from 19th to 21st September, 2016.

In pursuance to O.M. No. 2-16/2016-MM-I (OS) dated 14.9.2016 a visit was undertaken to Telangana for assessment of crop prospects for oilseeds during kharif- 2016 and review of implementation of NMOOP on 19th to 21st September, 2016. Team was comprising the following officers along with a representative Shri Faheem from State Agriculture Department:-

- 1) Shri Jitendra Kumar, Assistant Director (Oilseeds), DAC&FW, New Delhi; and
- 2) Dr. D.U. Dupare, Principal Scientist (Agriculture Extension), IISR, Indore (MP);

1. State level review meeting on 19.09.2016: -

A meeting of concern stakeholders involving from State Agriculture Department i.e. the Additional Director of Agriculture, Assistant Director, Agriculture Officer, State Consultant (MM-I) and an officer from State Horticulture Department was arranged in the afternoon of 19th September, 2016. A detailed presentation was made by Shri A.M. Faheem, State Consultant of NMOOP and financial matter was also discussed with Director of Agriculture in her Chamber. As per discussion, it is observed that all districts are covered under MM-I except Hyderabad district. Adilabad and Nizamabad are major soybean growing districts. MM-II is being implemented in 52 Mandals of two district i.e. Khammam and Nalgonda, only. MM-III is not implemented in the State. The crop and year-wise area, production and yield of major kharif crops as on 22nd September, 2016 in the State and highlights of the presentation and discussions held during the meeting are given below:

Crops	Kharif 2014			Kharif 2015			Kharif-16 as on 22 nd September.
	A	P	Y	A	P	Y	
Cotton	17.13	38.0	377	17.73	38.60	370	12.36
Pulses	3.12	1.58	506	3.74	1.64	439	6.36
Rice	9.20	27.51	2990	7.49	21.98	2935	6.67
Soybean	2.42	2.62	1083	2.43	2.52	1037	2.98
Castor	0.51	0.30	588	0.48	0.17	354	0.43
Groundnut	0.13	0.22	1692	0.13	0.21	1615	0.16
Total oilseeds	3.36	3.25	982	3.19	2.94	880	3.61

- During the week upto 21.9.2016, 79.6 mm rain received against the normal of 27.8 mm with a deviation of 186%. Over all the average rainfall received in Telangana State from 1st June to 21st September, 2016 is recorded as 734.2 mm as against the normal as on date of 677.0 mm showing normal of 8% (Normal).
- As against the total cultivated area 35.46 lakhs hectares during kharif-2015, an area of 36.72 lakhs hectare have been covered upto 22nd September, 2016 under different crops in the State.
- As against the total oilseeds coverage 3.19 lakhs ha. during kharif-2015, an area of 3.61 lakhs hectares have already been covered in kharif-2016.

- Area under pulses has gone up by >100% from 3.12 lakhs (kharif-2014) to 6.36 lakhs hectates during kharif, 2016 and area under cotton has decreased.
- State Government has decided to diversify more than 5.00 lakhs hectare cotton area to other crops i.e. pulses, maize and soybean crops during kharif 2016.
- There is no shortage of input including seeds. However, seeds of new varieties are not available.
- Beneficiary under all crop development programmes are identified by the field staff of agriculture in consultation with the officials of Panchayat Raj Institutions. The list of beneficiary is displayed in Gram Panchayat.
- A massive campaign has been undertaken for soil testing and micronutrients like zinc & boron and gypsum are made available to the farmers through State MARKFED/AGROS etc.
- Under farm implement seed-cum fertilizer drill, rotavator, ploughs and power weeders are in demand. There is a huge demand for sprinkler sets and water carrying pipes. However, supply is held up due to their revalidation pending with GoI.
- Crop-wise package of practices for each oilseed crops has been published and widely circulated in the local language.
- For implementation of Direct Benefit Transfer (DBT), linking of data between Farmers Portal of Revenue Department with Agricultural Component is under progress through NIC.
- Component-wise Progress of MM-I. & MM-II have been compiled, copies of the same are enclosed (Annexure-I &II)
- Financial status of the scheme from 2014-15 and 2015-16 is enclosed (Annexure-III).

1.2 District level review in Adilabad on 20.09.2016

District level review was undertaken with Shri Narsingh, district consultant, Dr. Shridhar Chawan, ARS, Adilabad and field level officers. For oilseed cultivation, soybean is grown in the kharif season in district. The crop and year-wise area, production and yield of major kharif crops and highlights of discussions in the district are given below:

(Area:lakh ha, Production:lakh tones, Yield: kgs/ha.)

Sl No	crops	Kharif 2014			Kharif 2015			Kharif 2016 as on 20.09.2016 (Expected)		
		A	P	Y	A	P	Y	A	P	Y
1.	Cotton*	3.30	6.46	1000	3.36	8.90	1500	2.51	6.65	1500
2.	Red Gram	0.37	0.22	600	0.37	0.31	850	0.72	0.61	850
3.	Green Gram	0.06	0.03	500	0.06	0.04	800	0.11	0.09	800
4.	Black gram	0.035	0.017	500	0.032	0.03	900	0.13	0.12	900
5.	Maize	0.09	0.34	3500	0.11	0.44	4000	0.12	0.48	4000
6.	Soybean	1.11	0.83	750	0.96	1.15	1200	1.20	1.68	1400

* Production: in lakh bales of 170 kgs. each.

- During the month of June 2016, the district is in receipt of rain fall of 257.2 mm as against the normal rain fall of 200 mm in a 17 rainy days. As sufficient moisture

available for sowing, the farmers took up sowing of cotton, soybean, jowar, maize, redgram, greengram black gram etc. well in time.

- Normal area of cotton was 3.35 lakhs ha., which has been reduced to 2.51 lakhs ha. during kharif, 2016.
- Area under pulses has gone up by >100% during kharif, 2016.
- As against the normal area 0.87 lakh hectares of soybean, an area of 1.20 hectare has been covered during kharif, 2016.
- There was a long dry spell from first week of August, 2016 to 3rd week of August at flowering/ pod formulation stage of soybean. Supplementary irrigation was provided through the sprinklers supplied under MM-I of NMOOP due to which crop loss was reduced to some extent.
- Due to excessive rains in the month of July, weed problem was noticed in the field.
- Soybean is at harvesting stage continuous rains, at this stage may be disadvantageous.
- Expected yield loss may around 5% due to dry spell.
- Crop-wise package of practices for each crops including soybean has been published and widely circulated in the local language (Teluge).

1.3 District level review in Nizamabad on 21.09.2016

District level review was also undertaken in Nizamabad district with Shri Wazid Husain, District Consultant and others. The crop and year-wise area, production and yield of kharif crops in the district and highlights of the discussions are given below:-

Crop	Kharif -2014			Kharif 2015			Kharif- 2016 (as on visit i.e 21.09.2016)		
	A	P	Y	A	P	Y	A	P Expected	Y Expected
Cotton*	0.157	0.314	2000	0.166	0.249	1500	0.061	0.122	2000
Pulses	0.132	0.165	1250	0.134	0.100	750	0.171	0.213	1250
Maize	0.391	1.759	4500	0.329	0.987	3000	0.468	2.106	4500
Soybean	0.974	1.574	1767	1.09	1.22	1115	1.357	2.714	2000
Total	1.654	3.812		1.719	2.556		2.057	5.155	

(A=Area (lakh ha), P= Production (lakh tonnes) and Y=Yield (Kg/ha))

* Production: in Lakh bales of 170 kgs

- During the month of June 2016, the district is in receipt of sufficient rain. As sufficient moisture available for sowing, the farmers took up sowing of cotton, soybean, jowar, maize, redgram, greengram black gram etc.
- Dry spell was noticed during the flowering/ pod formulation stage in soybean.
- Irrigation was provided through the sprinklers for supplementary irrigation under soybean and crop loss was reduced to some extent.
- There was a long dry spell from first week of August, 2016 to 3rd week of August at flowering/ pod formulation stage of soybean. Supplementary irrigation was provided through the sprinklers supplied under MM-I of NMOOP due to which crop loss was reduced to some extent.
- Cotton area was 0.17 lakhs ha., which has been reduced to 0.06 lakhs ha. during kharif, 2016 and diversified to soybean and redgram. Area of soybean has been

increased from 1.09 lakhs ha. during kharif 2015 to 1.36 lakh hectares during kharif, 2016.

- Crop-wise package of practices for each crops including soybean has been published and widely circulated in the local language (Teluge).

1.4 Field Visit

The activities covered during the field visit are given in **Annexure-IV**. The soybean crop has already started shedding of leaves and mostly at harvesting stage No major disease/pest problem was noticed.

1.5 Action points emerged during the visit

- Cluster demonstration for an area of 120 ha. was allotted to three KVKs of Telangana. The demonstrations could not conducted due to non availability of seeds of 10 years of varieties as well as receipt of funds. **(Action-CA Section, DAC&FW)**.
- As against the allocation of 7250 minikits of groundnut Kadri-9 (250) and 7000 minikits of soybean JS-95-60 to NSC, only 250 minikits of groundnut Kadri-9 were received and **7000 minikits of soybean JS-95-60 not supplied till date. NSC may be asked for the reason. (Action-CA Section, DAC&FW)**.
- As against the allocation of 4340 minikits of groundnut ICGV-91114, 2250 minikits were received from HIL. **(Action-CA Section, DAC&FW)**.
- Variety of soybean JS-335 (75481 qtls), which released in 1994 were supplied to farmers through HACA, Oil fed, TSSDC, NAFED AND Markfed due to non availability of new varieties. State should prepare a time bound Action Plan for seed production of soybean in consultation with Indian Institute of Soybean Research (IISR), Indore and State Agricultural Universities. **(Action-SDA, Telangana)**
- Proposal of State Agriculture Department and Horticulture Department may consider use flexi funds (10% of total allocation) under micro-irrigation as there is a huge demand for sprinkler sets and water carrying pipes. **(Action-SDH, Telangana)**
- Under MM-II, there is a potential of 50,000 ha. that can be covered under Oil Palm in two major districts i.e. Khammam & Nalgonda. Out of 50,000 ha., only 16,000 ha. is covered till now and there is still a potential of 34,000 ha. which has to be tapped. **(Action-SDA, Telangana)**
- Release of 1st Installment of 2016-17 is not feasible due to huge Unspent Balance of Rs. 1582.852 lakhs as against Annual Action Plan of Rs. 1096.81 lakhs. However, Division may expedite their pending revalidation. **(Action-CA-II, DAC&FW)**
- State may expedite implementation of Direct Benefit Transfer (DBT) should be imp implemented. **(Action-SDA, Telangana)**

Initiative Physical & Financial Progress of Schemes : NHSD, NM-1 (Rajendra)

(In Lakhs)

Sl. No.	Name of the Components	Central State				State Share				Total				Remarks
		Physical		Financial		Physical		Financial		Physical		Financial		
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
1	Seed Campaign													
2	Production of Breeder Seed	100	0	945	0	70	0	63	0	19	0	1531	0	
3	Production of Certified Seed	200	0	2	0	200	0	2	0	200	0	5	0	
4	Production of Certified Seed Multiply	720	0	12	0	480	0	43	0	1300	0	12	0	
5	Production of Certified Seed Multiply	6000	6200	17135	154	4396	4006	1143	100	11400	10000	28725	270	
	Total	9010	6800	182	158	5040	4006	128	100	15846	10000	322	318	
6	Transfer of Technology													
7	Basic Demonstration													
8	On-farm	300	0	22.5	0	200	0	15	0	500	0	31.5	0	Not in operation in RA
9	Logistics	160	300	16.2	11.25	240	220	10.8	7.5	400	350	27	18.75	
10	Extension / Seminar / Vigor	120	0	1.6	0	80	0	2.8	0	200	0	6	0	
11	Other	120	0	3.2	0	40	0	2.8	0	200	0	6	0	
12	Personnel Training	120	0	4.8	0	80	0	7.2	0	200	0	8	0	
13	Other Incentive	5	5	1.206	1.206	4	4	0.964	0.964	9	9	2.18	2.18	
	Total	1005	305	27.18	12.49	488	220	36.518	11.28	1200	350	52.28	18.93	
14	Production of Certified Seed / Double / Limited / Short-term etc.	1800	0	13.5	0	1200	0	0	0	3000	0	25.5	0	
15	Production of Certified Seed / Double / Limited / Short-term etc.	1800	1020	12.5	8.1	1800	960	9	5	4600	1720	22.5	8.3	
16	Production of Certified Seed / Double / Limited / Short-term etc.	444	444	1.332	1.332	200	194	0.668	0.668	644	640	2.00	2.00	
17	Production of Certified Seed / Double / Limited / Short-term etc.	2700	500	11.5	4.5	1800	600	9	5	4500	1900	22.5	7.5	
18	Production of Certified Seed / Double / Limited / Short-term etc.	3700	1320	11.5	9.28	1800	1200	6	5.24	4500	3200	22.5	15.8	
	Total	10844	4200	61.338	30.291	6700	2820	34.008	11.200	17200	7140	52.32	30.88	
19	Production of Certified Seed / Double / Limited / Short-term etc.	300	26	1.8	0.18	200	20	1.2	0.12	500	30	3	0.3	
20	Production of Certified Seed / Double / Limited / Short-term etc.	300	40	3.0	0	200	40	2.0	0	500	100	5.0	1.0	
21	Production of Certified Seed / Double / Limited / Short-term etc.	30	0	0	0	30	0	0	0	60	0	0	0	
22	Production of Certified Seed / Double / Limited / Short-term etc.	1320	0	13.2	0	800	0	8.0	0	2120	0	21.2	0	
23	Production of Certified Seed / Double / Limited / Short-term etc.	400	0	4.0	0	200	0	2.0	0	600	0	6.0	0	
	Total	2520	66	20.0	0.18	1400	60	10.2	0.12	4200	130	44.8	1.3	
24	Contingency	0	0	1.994	0	0	0	1.331	0	0	0	3.33	0	
25	Share level / Contingency / Supporting staff on TDS on Current	0	0	3.6	0	0	0	7.9	0	0	0	6	0	
26	Working of vendors / residence of Adama / attending workshop	0	0	0.0	0	0	0	0.0	0	0	0	1.5	0	
	Total	0	0	5.594	0	0	0	9.231	0	0	0	16.83	0	
	Grand Total	31946	10778	573.08	182.60	14630	7182	384.66	121.08	31976	17280	547.15	327.77	

Director

Progress Report for MIM-1 (Oil Palm) under NMDOP for the Current Year 2016-17

Annexure - II

Sep-15, 2016

State: Telangana

Sl.No.	Interventions	Unit	Targets			Achievement (committed)				
			Physical	Financial (Rs in lakh)		Physical	Financial (Rs in Lakh)			
				GOI Share	State Share		Total	GOI Share	State Share	Total
(a)	Planting Material	ha	3000.00	144.000	96.000	240.000	650.00	31.200	20.800	52.000
(b)	Cultivation/Maintenance cost									
	1st year	ha	3000.00	72.000	48.000	120.000				
	2nd Year	ha	441.74	10.602	7.068	17.670	125	3.000	2.000	5.000
	3rd year	ha	971.62	23.319	15.546	38.865	250	6.000	4.000	10.000
	4th year	ha	1421.00	34.104	22.736	56.840	550	19.200	8.800	22.000
	Total		5834.36	140.02	93.35	233.37	925.00	22.20	14.80	37.00
(a)	Drip Irrigation	ha	1201	167.178	111.452	278.630				
(b)	Diesel Pumps Sets	Nos.	20	1.800	1.200	3.00				
(c)	Bore well	Nos.	20	3.000	2.000	5.00				
(d)	Water harvesting structure	Nos.								
(e)	Ponds	Nos.								
(f)	Inputs for intercropping in Oil Palm Fields.	ha	1525	27.450	18.300	46	275	4.950	3.300	8.250
(g)	Vermi-Compost units	Nos.								
(h)	Machinery Tools									
	(i) Oil Palm cutter	Nos.	100	0.900	0.600	1.50				
	(ii) Oil Palm protective wireness	Nos.	100	9.000	6.000	15.00				
	(iii) Motorised chisel	Nos.	104	6.240	4.160	10.40				
	(iv) aluminium portable ladder	Nos.	103	1.818	1.212	3.03				
	(v) chaff cutter	Nos.	100	4.200	2.800	7.00				
	(vi) Small Tractor with Trolley	Nos.		0.000	0.000	0				
	Total			221.59	147.72	369.31		4.950	3.300	8.250
(a)	Trainings									
	(i) Farmer's training	Nos. (Batch)	25	3.60	2.40	6.00				
	(ii) Training for extension Officers	Nos. (Batch)	25	5.40	3.60	9.00				
	Total			9.00	6.00	15.00				
IV.	Mission Mgmt. Expenses			5.19	3.46	8.65				
	Total			5.19	3.46	8.65				
	Grand Total			519.80	346.53	866.33		56.350	38.900	97.250

Annexure-III**FINANCIAL STATUS OF IMPLEMENTATION OF NATIONAL MISSION ON OILSEEDS AND OIL PALM DURING 2014-15 to 2016-17 (Rs. in lakhs)****Year 2014-15**

Annual Action Plan	Unspent Balance As on 1.4.2014	Released (GoI)	Toal Funds available (GoI)	Expenditure (GoI)	Unspent Balance as on 31.3.2015 (GoI)
MM-I	1665.184	301.382	1966.566	1316.783	649.783
MM-II	-	317.690	317.69	149.140	168.550
Total	1665.184	619.072	2284.256	1465.923	818.333

Year 2015-16

Programme	Unspent Balance As on 1.4.2015	Allocation (GoI)	Released (GoI)	Exp. (GoI)	Unspent Balance as on 31.3.2016 (GoI)
MM-I Regular+ Addl	649.783	720.71	705.355	263.776	1091.362
MM-II	168.550	260.597	394.290	71.350	491.49
Total	818.333	981.307	1099.645	335.126	1582.852

Year 2016-17

Annual Action Plan	Unspent Balance (as on 1.4.2014)	AAP Approved (CS)	Total Funds is to be available after revalidation (CS)	Exp. (CS)	Remarks
MM-I	10.91.362	577.00	10.91.362	193.362	Funds is not provide by State Finance Department as the revalidation amount of Rs. 1592.852 lakhs (GoI share) is still awaited.
MM-II	491.49	519.81	491.49	58.350	
Total	1582.852	1096.81	1592.852	251.712	

1. Field Visit in Adilabad:

NLMT Visited Pochara (Vill) of Boath Mandal of district. The Block Demonstration was organized in a contiguous area of 25 ha in the Village. The Demonstration board was displayed the details of critical inputs supplied, name of variety and date of sowing etc.. The crop is at harvesting stage when interacted with farmers in the field. Sri M. Ashanna whose field is also under Cluster Demonstration has informed that the seed was treated with Rhizobium and other inputs like PP Chemicals etc. which were supplied on subsidy. He expressed that expected yield may be around 20 Qts/ha. After harvest of soybean crop, he will go for Maize crop during Rabi 2016-17. Similarly all the farmers who were present expressed the same opinion that yields of soybean (JS-335) are higher than last year due to sufficient rains are received during Kharif, 2016. In the adjoining field, soybean variety (Vikranth-JS-9305) sown in an area of 3 acres also visited. The crop was already started shedding of leaves and ready to harvest.



The farmers who were present at the site of Demos expressed the opinion that JS-335 performance is better than other varieties now cultivated in the village due to sufficient rains in this Kharif season, than last year which experienced moisture stress due to short of rains during Kharif 2015. Shri Gaddam Diwakar Reddy-Sarpanch, Pochara is also participated with farmers.

1.1 Interaction with farmers:

A brief discussion was held with farmers in the village on the problems of soybean cultivation encountered by them. The farmers have informed that they mostly depend on post emergence weedicides like Pursuit (Imazethapyre) for weed control and not attempt for weed control operations after spraying was done. In response to the query of the farmers, Dr Dupare, Principal Scientist IISR, Indore has emphasized the need of intercultural operations in between the rows of soybean till 45 DAS to aerate the field. If this is not possible, then farmers can make use post emergence herbicides to keep the field weeds free which ensure better yields than common practice.

He also informed to go for pre-emergence application of weedicides such as Dichlosulum spray which control most of the weeds effectively in the Soybean field. One of farmer has responded that he is adopting intercultural operations after application of Weedicides and getting higher yields than others and agreed to the view of principal scientist Dr. Dupare, He also advised the farmers to visit Indian Institute of Soybean Research (IISR), Indore, Madhya Pradesh for more information on soybean cultivation. The farmers requested the team to supply more number of sprinkler sets for effective utilization of water. Assistant Director (Oilseeds) has suggested the State Department officers to prepare additional action plan, if needed and send to the Ministry for approval of competent authority.

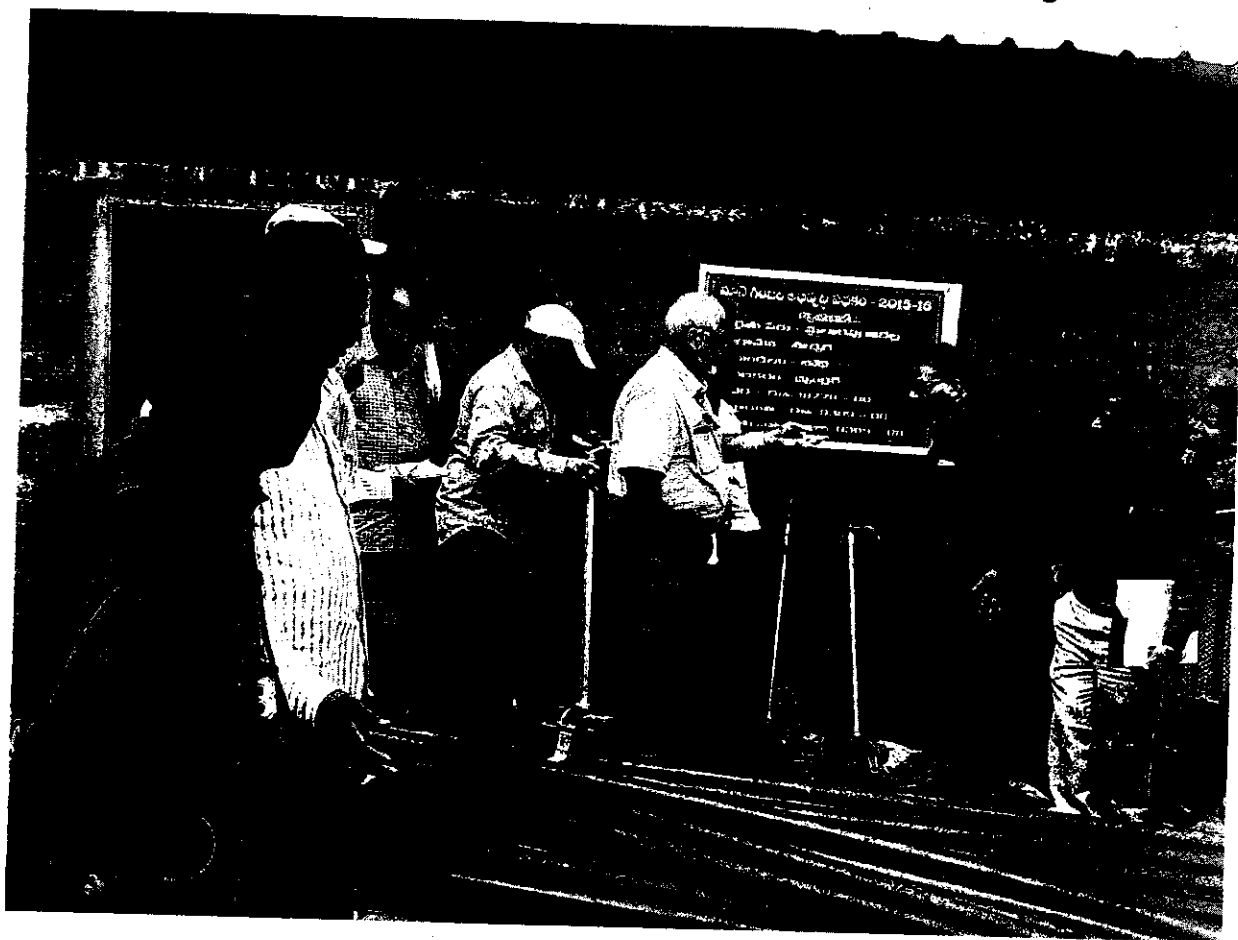


1.2 Seed Village Scheme:

Visited soybean seed plot of Variety JS-335 (old variety i.e. 1994) in the field of Shri Munde Srinivas along with Sri Gitte Keshav a ZPTC member of Gudihatnur mandal along with farmers at Mannur (Vill) of Gudihatnur mandal. Farmers expressed the opinion that JS-335 is a old variety and experience with pest and diseases like yellow mosaic, pests such as stem fly, stem girdle and White fly observed, poor yields and requested to introduce new varieties which are high yielder and suited to Adilabad District. Farmers should take up new varieties namely NRC-77 (2010), MACS-1188 (2013), Pratap soy-2 (2007) and DSB-1 (2012) as suggested by Principal Scientist of IIOR.

1.3 Sprinkler sets and farm machinery

Inspected sprinkler sets supplied to SK Mohammed on subsidy under NMOOP during 2015-16 and also cultivator supplied as part of farm mechanization in the village.



1.4 **Block Demonstration:** Visited block demonstrations organized in the field of Shri K. Janardhan Rao farmer and others in an area of 50 ha at Guruj (Vill) of Gudihatnur mandal. The farmers were supplied with inputs like PP chemicals Rhizobium etc for organization of Demonstrations.

1.5 Multi crop thresher:

Inspected multicrop thresher supplied to Kendre Gnaneshwar on subsidy.



1.6 Water Carrying pipes:

Inspected water carrying pipes (PVC pipes) supplied to Sri K.Ramesh mannur (Vill) with a subsidy amount of Rs 5250/- under NMOOPP during 2015-16. The pipes are laid underground from the source of water and irrigated to the crops.

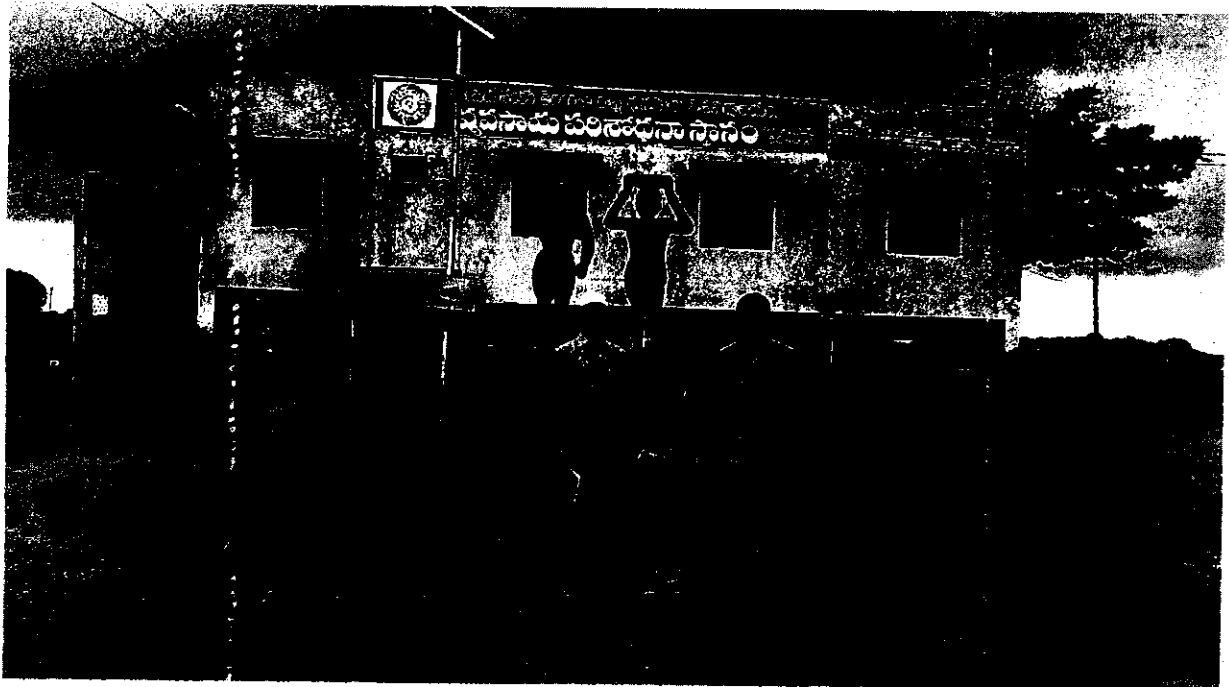


1.7 Soybean, NRC-37 (Released in 2001):

Visited cultivation of Soybean field, NRC-37 (of Shri Yenugu Sudharshan Reddy at Palli (K) Village of Talamadugu Mandal with following package of practices adopted by the farmer. NRC-37(Ahliya-4), date of sowing: 17.06.2016, Cropping pattern: mixed cropping with Soybean 3 rows + Red Gram one row, Seed rate: Soybean 8 kgs/acre, Red Gram 2 kgs/acre, Spacing: Row to row= 60 cm, Plant to plant :25-30 cm., Method of sowing: By dibbling. The performance of the said variety is better than all varieties and gives higher yield as informed by the farmer. It is informed by the farmer that most of the farmers nearby mandals / Villages are visiting this soybean variety NRC-37 and requested to sell the seed to them for next season in view of its high yields as informed by the farmer. The entire seed produced by him during Kharif 2016, shall be brought in to seed chain in the ensuing Kharif season. The Department officers who were present in the field requested the principal scientist IISR, Indore to consider for supply of NRC-37 in large quantities to the District and specially breeder seed to propagate in the state seed farms of Telangana state for production of foundation seed, he requested the Consultant (NMOOP) O/o C& DA Ts Hyderabad to address the concerned for supply of breeder seed to their state.

2. Monitoring of Agricultural Research Station (ARS) Adilabad:

Field experiments of Plant Breeding and Agronomy disciplines of AICRP-Soybean scheme (ICAR-Indian Institute of Soybean Research, Indore (M. P.) sponsored) conducted during *kharif*, 2016 at Adilabad were also visited.





2.1 Monitored Front Line Demonstration:

Two Front Line Demonstration plots out of ten (10) at Yenka village pertaining to the FLDs on soybean (cluster demonstrations) in 0.4 hectare each, KDS-344 (Vs) Farmer's practice with JS₃335 (Soybean intercropped) with Redgram in 6:1 conducted by Agricultural Research Station (ARS) Adilabad on farmer's fields at village of Yenka (G.P.), Utnoor Mandal, Adilabad district and found satisfactory with the crop status in demonstration plots. The crop is at pod development to seed filling stage.



3. Field Visit Nizamabd District on 21.09.2016:

NLMT visited Nagal goan (Vill) of Jukkal Mandal in Nizamabd District .The Demonstration was organized in the field of Shri. Balaji farmer and other farmers in a contiguous area of 50 ha in the Village. The Display board giving all the details of the Block Demonstration was erected both at entrance of the village and in field. The details of Block demonstration like technical support given by the department of Agriculture officers in raising the soybean crop and inputs supplied on subsidy were discussed. Farmers were happy, satisfied and praised the services of the officers and objectives of the scheme. Soybean crop is newly introduced in the area and fetching remunerative price for the product and the net profit is higher than the traditional crops like Black Gram, Green gram, Cotton farmers have express that this crop withstood both moisture stress and excess moisture condition compare to Green gram and Black gram crops. They further informed that in this era of agriculture labour shortage and high labour charges this crop is being almost with minimum labour and mostly through mechanization. They have sown the seed and applied fertilizers with help of seed cum fertilizer drill supplied by the Department on subsidy under Farm mechanization scheme of Department, control the weeds by using herbicides and will be harvested/threshed with the help of combined harvester. Present market rate of soybean is around Rs 3500/per qtl. as against the MSP of Rs. 2650/per qtl. The farmers were very optimistic on prospect of getting net income more than other crops





3.1 Sprinkler Irrigation system sets: Eklara (B) Village of Madnuru Mandal was visited to inspect and get feedback of farmers on supply of sprinkler sets. In spite of rains, interaction with around 60 farmers could be made in Gram panchayat. Farmers were satisfied with the services provided by the departmental officers under the scheme. They expressed that there had been 20 days dry spell at in month of August 2016 and they have saved soybean crop because of the sprinklers sets. Farmers wanted the subsidy to be increased from 40% to at least 75%. They further requested to allot more number of units as their village comes under non-command area and only source of irrigation is borewells. Interacted with Sri Hanumath Rao, Sri M.Maruthi and others.

3.2 Supply of Taiwan sprayers:-Taiwan sprayers were supplied under scheme on subsidy to Shri Sanjeev. He expressed satisfaction on the functioning of the sprayer. The farmers are requested to provide more units. We have inform departmental officers to use flexi funds for the purpose

3.3 Visit to Area expansion: Huge plots of soybean intercropped with Redgram all along the roads were observed we stopped at Fatlapur village of Bichkunda Mandal, interacted and visited soybean fields of Shri. Engu.Ramulu and other farmers. All the farmers were very happy by fact that department of Agriculture has made very elaborate arrangements for supply of soybean, Redgram and other Pulse and cereal crops seeds on subsidy. The farmers also informed that the subsidy seeds were supplied to the farmers on saturation mode i.e. the total requirement of seeds have been supplied till the last farmer who required seeds. The

departmental officers are informed that they had made elaborate arrangements by opening about 175 sale counters across the district, mainly through Primary Agriculture Co-operative Societies (PACS) and about 89000 qtls of soybean seed in addition to other seed were made available to farmers in shortest possible time that is June 15th to July 5th to enable farmers to go for the sowings duly utilizing the available moisture in soil due to rains and to facilitate early sowings to increase vegetative phase which result in more yields. It is found that farmers are using same post emergent herbicide hence it was advise to use pre-emergent herbicide like "Dichlosulum" @ 12gms/ac further it is found that farmers are crazy about JS-335 variety hence it was advised to try other soybean varieties like NRC-37, JS-2029, JS-2034, JS-2069, RVS-2001-4 as central government will not be able to provide subsidy to the old variety like JS-335.



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