Quarterly Report on INDICATORS OF AGRICULTURE

October - December 2018

Report for Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Government of India, New Delhi



Agro-Economic Research Centre

Agricultural Development and Rural Transformation Centre INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE Bengaluru - 560 072

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Acknowledgement

The Ministry of Agriculture and Farmers Welfare, Government of India and National Institution for Transformation of India, intend to know the agriculture situation in different States using selected agricultural indicators. Thirteen Agro-Economic Research Centres spread across the Country are assigned to collect the information on important agricultural indicators for the State under their jurisdiction on quarterly basis and submit the data to the Agricultural Development and Rural Transformation Centre, ISEC, Bengaluru. The Centre will be preparing a consolidated report for all the major States in the country and submit the report for every quarter for taking immediate policy decisions. We are grateful to the Ministry of Agriculture and Farmers Welfare, Government of India, New Delhi for reposing confidence in the ADRT Centre, ISEC, for assigning this task.

We are grateful to Prof. M.G. Chandrakanth, Director, Institute for Social and Economic Change, Bengaluru, for his encouragement to this work. We thank Mrs. K. M. Prema Kumari for being involved in the consolidation of this report. We also thank our colleagues from various AERCs for compiling the data from various sources of the respective state under their jurisdiction and submitting the same to facilitate consolidation of the quarterly report on Indicators of Agriculture for the period, October to December 2018.

A.V. Manjunatha
Assistant Professor

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griculture plays a vital role in India's economy. Nearly 54 per cent of the population is engaged in agriculture and allied activities contributing 17.4 per cent to the Gross Value Added (GVA) for the year 2016-17 (at current prices). There has been a continuous decline of its share in the GVA from 18.6 percent in 2013-14 to 17.4 percent in 2016-17. This falling share is as expected in a fast growing and structurally changing economy. Agriculture and Allied sectors witnessed a growth of 5.6 per cent in 2013-14, -0.2 per cent in 2014-15, and 0.7 per cent in 2015-16 and 4.9 in 2016-17 at 2011-12 basic prices. The vicissitudes of growth in the agricultural and allied sector have implications for overall growth of GVA and in 2016-17 the percentage contribution to total GVA growth was much larger than 2015-16. Given the importance of agriculture sector, Government of India took several steps for its sustainable development.

The production of coarse cereals is estimated at a new record level of 44.19 million tonnes. It is higher than the previous record production of 43.40 million tonnes achieved during 2010-11. Total production of pulses during 2016-17 is estimated at a record level of 22.95 million tonnes. The production during 2016-17 is higher by 6.61 million tonnes than the previous year's production of 16.35 million tonnes. Total foodgrains production during 2016-17 in the country is estimated at 275.68 million tonnes which is higher by 10.64 million tonnes than the previous production of foodgrains of 265.04 million tonnes (2013-14) and also higher by 24.12 million tonnes than the foodgrains production in 2015-16. (Central Statistics Office, Ministry of Statistics and Programme Implementation, Govt. of India, Annual Report, DAC & FW, 2017-18).

National Institution for Transformation of India (NITI), Government of India entrusted Agricultural Development and Transformation Centre (ADRTC), Institute for Social and Economic Change (ISEC), Bangalore, to undertake a study on "Indicators of Agriculture". This report is compiled from data furnished by Agro-Economic Research Centers (AERCs) located across India. The most of the data on agricultural indicators pertains to the period, October to December 2018. The basic data regarding agricultural indicators received from twenty-three States, namely Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Gujarat, Harvana, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Rajasthan, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh and West Bengal. Fifteen agriculture related indicators were covered for the study which is as under:

- 1. Average Rainfall
- 2. Number of deficit rainfall districts
- 3. Area covered under major crops
- 4. Incidence of major pests and diseases in principal crops
- 5. Farm output prices of major crops
- Seed availability in the local market for major crops
- 7. Prevailing market price of seed of major crops
- 8. Chemical fertilizer (NPK) availability in the local market
- 9. Prevailing market price of fertilizers
- 10. Availability of agricultural labour
- 11. Prevailing wage rate for casual labour in agriculture

- 12. Availability of institutional credit for agriculture
- 13. Electricity availability for irrigation pump sets
- 14. Availability of farm machinery for timely sowing, harvesting and other operations
- 15. Availability of organic manure, farmyard manure, vermi-compost and bio-fertilizers.

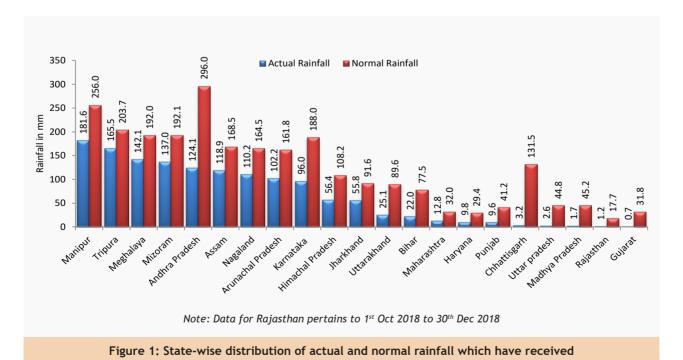
1. Average Rainfall

The overall rainfall status for 4th quarter of 2018 for 23 states indicated that not a single state has received rainfall in excess of their normal rainfall and all 23 states received rainfall lower than normal rainfall. Among the states that have received lower rainfall, Gujarat, Chhattisgarh, Madhya Pradesh, Uttar Pradesh and Rajasthan had recorded lesser rainfall than the normal to the tune of 98 per cent, 97 per cent, 96 per cent, 94 per cent and 93 per cent, respectively. West Bengal and Jharkhand states have received excess rainfall than the normal during the corresponding quarter of the previous year. All the North-Eastern states of the country had rainfall lesser than the normal. The southern states like, Andhra Pradesh,

Karnataka and Tamil Nadu have received rainfall lesser than the normal. The comparative figure for actual and normal rainfall of different states is depicted in **Figure 1** for those states which received lower rainfall than the normal.

2.Percentage of Deficit Rainfall Districts

The rainfall data received for 23 states covering 556 districts. Around 51 per cent of these districts have not received sufficient rainfall, and hence they have been classified as districts with deficit rainfall. The situation in this guarter is also similar as compared to the same guarter of the previous year 2017, which reported 55 per cent of the districts as deficit. Around 95 per cent of districts in Punjab, 92 per cent in Uttarakhand and Himachal Pradesh, 91 per cent in Maharashtra and 89 per cent in Assam had received deficit rainfall. More than 70 per cent of the districts in Bihar, Nagaland, Arunachal Pradesh, West Bengal, Haryana, Mizoram, Tripura and Meghalaya received deficit rainfall. More than 50 per cent of districts in Karnataka, Andhra Pradesh, Jharkhand and Tamil Nadu had received



rainfall less than normal

deficit rainfall. The deficit rainfall was observed in all the districts of twenty three states. Deficit rainfall was reported in 19 districts of Punjab, 12 districts of Uttarakhand, 11 districts of Himachal Pradesh and 30 districts of Maharashtra. More than 25 per cent of districts of Uttar Pradesh, Gujarat and Manipur had received deficit rainfall. Punjab, Uttarakhand, Himachal Pradesh and Maharashtra had higher rainfall deficit as compared to the remaining states. The per cent of districts with deficit rainfall to the respective total districts for 23 states is represented in Figure 2 in the descending order.

year to current year, which can be clearly seen in Figure 3.

The performance of states on the basis of per cent achievement to targeted area within this quarter is presented in **Figure 4**. It can be clearly seen from the figure that the only State Punjab exceeded the targeted area. Himachal Pradesh, Haryana, Uttarakhand, Uttar Pradesh, Karnataka, Bihar and Tripura crossed 90 per cent of the targeted area. The states like Manipur, Assam, Rajasthan, Jharkhand, Gujarat, Chhattisgarh, Arunachal

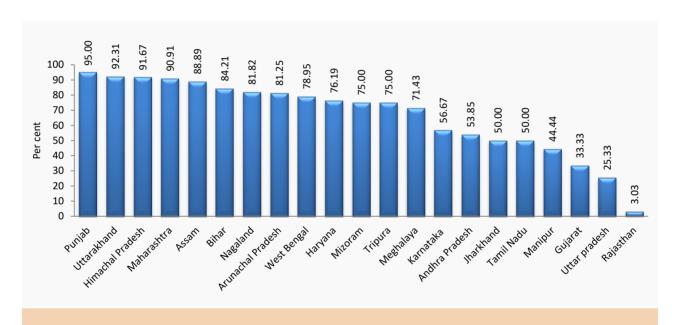


Figure 2: Deficit rainfall districts as per cent to total districts of state

3. Area Covered Under Major Crops

The proportion of actual area covered under different crops as against their targeted area is taken as the basis for measuring inter-quarter performance of each state on this indicator. As per the data provided by 23 states on targeted and actual area, 55 million hectares was the actual area covered out of the targeted area of 69 million hectares. Thus, the achievement was 80 per cent of the targeted area covered by major crops. The per cent achievement as against the target has decreased from corresponding quarter of previous

Pradesh, Madhya Pradesh and Nagaland crossed 70 per cent of the targeted area. This higher achievement to target percentage was mainly due to the state and central Government programmes. Among crop categories, cereals are major, which covered 65 per cent of the total area. Area under wheat was the highest not only under cereals but among all crops. It accounted for 71 per cent of area under cereals and 47 per cent of total area under major crops. Paddy was another cereal crop which covered 21 per cent of area under cereals and 14 per cent of total area under major crops.



Figure 3: Area covered under major crops in 4th quarter of last 7 years as per cent to targeted area

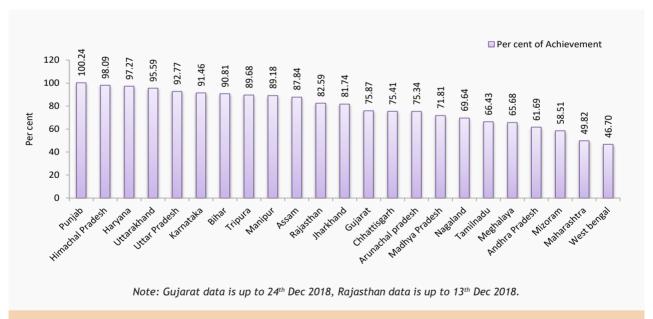
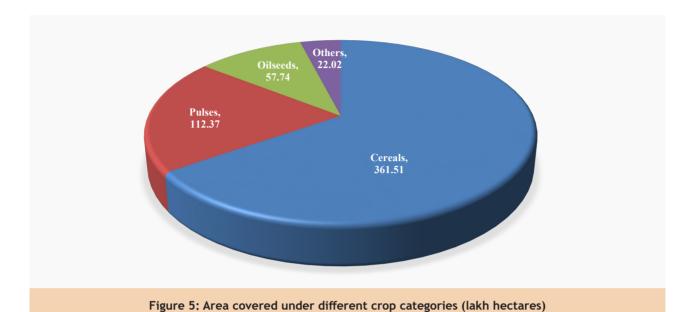


Figure 4: State-wise Area covered under Major Crops as per cent to Targeted Area

Maize was another cereal crop which claimed only 3 per cent of area under cereals and 2 per cent of total area under major crops.

Among the pulses, area under Red Gram was the highest which accounted for 63 per cent of area under pulses and 13 per cent of total area under major crops. The share of pulses and oil seeds in the total area covered under major crops was 20

per cent and 10 per cent, respectively. Red Gram, Bengal Gram, Lentil, Cowpea, Chickpea, Green Gram and Black Gram were the main pulse crops. Other crop categories include vegetables and cash crops (sugarcane, jute, tobacco and cotton). These crops accounted for 4 per cent of the total area covered. The area covered under cereals, pulses, oilseeds and other crops is given in Figure 5.



4. Incidence of Major Pests and Diseases in Major Crops Sown

The incidence of major pests and diseases in major crops were found to be moderate in Assam, Arunachal Pradesh, Karnataka, Manipur, Meghalaya, Mizoram, Nagaland and Tripura. The incidence of pests and diseases was relatively lower in Andhra Pradesh, Bihar, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Madhya Pradesh, Maharashtra, Punjab, Tamil Nadu, Uttarakhand, Uttar Pradesh and West Bengal. Interestingly, no attack of pests and diseases was reported in Chhattisgarh and Rajasthan with respect to major crops.

5. Farm Output Prices of Major Crops

Farm output prices of major crops across different states have shown wide variations. Price of paddy was highest in Bihar (Rs.2967/qtl) and lowest in Assam (Rs.1358/qtl). The price of Wheat varied between Rs.1600/qtl in Himachal Pradesh and Rs.3939/qtl in Maharashtra. The price of Maize varied between Rs.933/qtl in Jharkhand and Rs.1522/qtl in Gujarat. The price of Gram varied between Rs.5861/qtl in Karnataka and Rs.3031/qtl in Maharashtra. The prices varied depending upon

the type of produce (local or HYV), quality and time of sale.

6. Seed Availability in the Local Market for Major Crops

The seed availability in the local market for major crops was adequate in all the states, namely Andhra Pradesh, Assam, Arunachal Pradesh, Bihar, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Rajasthan, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh and West Bengal.

7. Prevailing Market Price of Seeds of Major Crops

The prevailing market prices of seeds of major crops during the period October 2018 to December 2018 is presented in **Table 1**. The prices depended on the type of seed (i.e. Hybrid or HYV) and source of purchase (i.e. open market or from departments with subsidy). Price of local variety paddy seeds per kilogram ranged between Rs.30.40 in Andhra Pradesh and Rs.57.50 in Assam. Price of hybrid variety paddy seeds per kilogram ranged between Rs.40 in West Bengal and Rs.112.5 in Manipur. While

Table 1: Market Prices of Seeds of Major Crops (Rs./kg)

Chahaa	Pac	idy	Ma	ize	Wheat		
States	Local Variety	Hybrid Variety	Local Variety	Hybrid Variety	Local Variety	Hybrid Variety	
Andhra Pradesh	28-32.80	-	-	77-350	-	-	
Arunachal Pradesh	36-50	70-110	30-50	48-60	-	-	
Assam	38-50 (Winter Paddy) 50-65 (Summer Paddy)	70-120 (Winter Paddy) 80-125 (Summer Paddy)	-	-	-	-	
Bihar	-	-	15	350	20	25	
Chhattisgarh	-	-	25	260	30		
Gujarat	-	-	-	-	15-20	25-35	
Haryana	-	-	-	-	28-30		
Himachal Pradesh	-	-	-	-	16	-	
Jharkhand	-	-	10	350	17	25	
Karnataka	32.75	82.5	30	183	-	-	
Madhya Pradesh	-	-	-	-	33-37.50	-	
Maharashtra	-	-	-	70	30	38	
Manipur	34-47	85-140	26-40	44-55	-	-	
Meghalaya	36-50	80-125	26-40	38-58	-	-	
Mizoram	35-45	52-130	26-40	50-65	-	-	
Nagaland	37-50	80-135	30-42	45-65	-	-	
Punjab	-	-	-	135-350	30	30	
Rajasthan	-	-	-	-	30-35	-	
Tamil Nadu	40	-	-	-		-	
Tripura	34-56	70-140	29-38	40-60		-	
Uttar Pradesh	-	-	-	-	33-35	-	
Uttarakhand	-	-	-	-	28-30	-	
West Bengal	-	40	-	-	-	30	

the price of local variety wheat ranged between Rs.16 in Himachal Pradesh and Rs.35.25 in Madhya Pradesh. The price of hybrid variety wheat ranged between Rs.25 in Bihar and Jharkhand and Rs.38 in Maharashtra. The price of local variety maize ranged between Rs.10 in Jharkhand and Rs.40 in Arunachal Pradesh. The price of hybrid variety maize ranged between Rs.48 in Meghalaya and Rs.350 in Bihar and Jharkhand.

8. Chemical Fertilizer (NPK) Availability in the Local Market

Supply of chemical fertilizers (Urea, SSP and DAP) was adequate in all the states, namely Andhra Pradesh, Assam, Arunachal Pradesh, Bihar, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Tamil Nadu,

Tripura, Uttarakhand and Uttar Pradesh except Rajasthan and West Bengal where only urea is shortage. It is significant to note that no deficit of Urea was reported in twenty one States because of the mandatory policy of supply of neem coated urea to the farmers by the Central Government.

Prevailing Market Prices of Fertilizers

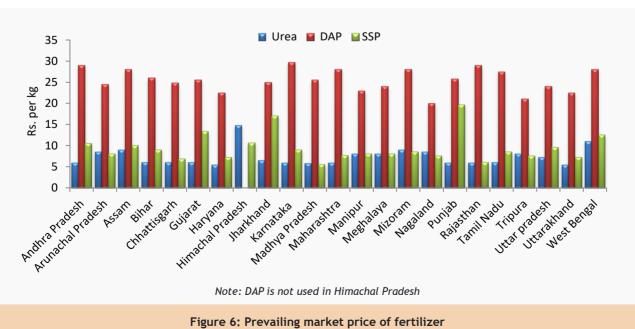
Prevailing market price of fertilizers are given in Figure 6. The prices of fertilizers are relatively higher in Himachal Pradesh (Urea - Rs.14.75/kg), Karnataka (DAP - Rs.29.70/kg) and Punjab (SSP - Rs.19.60/kg) as compared to remaining states for respective fertilizers. The prices of Urea (Nitrogenous fertilizer) ranged from Rs.5.40/kg in Haryana and Uttarakhand to Rs.14.75/kg in Himachal Pradesh. Similarly, prices of DAP varied between Rs.20/kg in Nagaland and Rs.29.70/kg in Karnataka. The prices of SSP varied between Rs.5.50/kg in Madhya Pradesh and Rs.19.60/kg in Punjab.

10. Availability of Agricultural Labour

The access to agricultural labour was better in Andhra Pradesh, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Madhya Pradesh, Rajasthan and Uttar Pradesh, whereas it is shortage in Assam, Arunachal Pradesh, Bihar, Jharkhand, Karnataka, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Tamil Nadu, Tripura, Uttarakhand and West Bengal.

Following were the major reasons opined by states for shortage of labourers:

- Labour shortage in harvesting season was mainly due to their employment in MGNREGA.
 There is a massive shift of labour from agricultural sector to MGNREGA Scheme and non-farm sector.
- Agriculture is seasonal venture/ activity for which the labourers do not confine to it alone and prefer to shift to other economic activities to support their families throughout the year.
- Farm labour out migration to urban for better livelihood is a pertinent issue.
- Growing of small tea gardens in hilly states generates employment opportunities in large numbers. Shifting of labour to tea sector has resulted in shortage of agricultural labour for the field crops in the state.
- Out of 81.5 per cent of total working population, 3.45 per cent of population was only agricultural labours which created shortage of labour.



- In hilly States, shortage of labour is a very common problem as there is a limitation of using modern machinery due to its topography and the demand of manual labour.
- Harvesting of paddy and sowing of wheat during this quarter is the reason for shortage of labour in Punjab.

Some suggestions to overcome the shortage of labourers are as follows:

- MGNREGA work may be postponed during peak agricultural operations. The MGNREGA scheme should be integrated to agricultural sector Agricultural labourers must find some other sources to generate additional income to support their livelihood.
- Assured irrigation is crucial to engage agricultural labourers throughout the year.
- Mechanization in agriculture may be promoted.
 Mechanization of some selected activities can mitigate the shortage of labour.
- Providing more technically efficient extension services and training to the farmers.
- Improving agro-infrastructure such as more access to irrigation facilities, online marketing system and institutional credit.

11. Prevailing Wage Rate for Casual Labour in Agriculture

Prevailing wage rate for casual labour in agriculture is presented in **Figure 7**. It is noticed from the figure that male and female labour had received same wage rates in Chhattisgarh, Himachal Pradesh, Karnataka and West Bengal. In the remaining States, the wage rates of males were relatively higher than the females. Overall, there was variation in wage rates among most of the states. For instance, the wage rate was Rs.325/day in Chhattisgarh, Rs.304/day in Karnataka, Rs.240/day in Himachal Pradesh and Rs.225/day in West Bengal for both male and female, respectively. The highest wage rate was Rs.450/day for male in Haryana and Rs.325/day for female in Chhattisgarh.

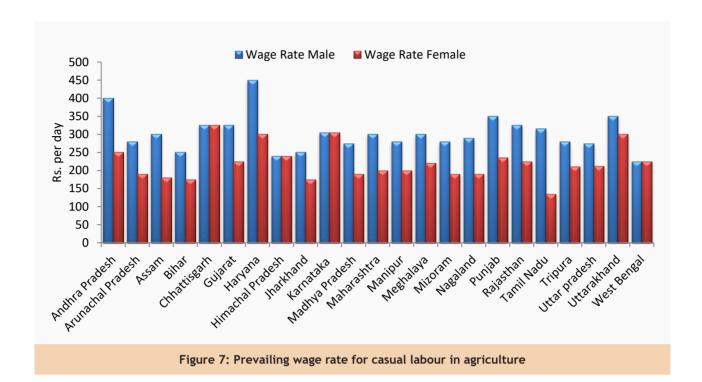
12. Availability of Institutional Credit for Agriculture in the State

Targets will be fixed annually for the credit disbursement to agricultural sector in India. Fourteen States have provided the information regarding target and achievement of institutional agricultural credit (Figure 8). It was found that Tamil Nadu achieved 101 per cent of the target flow of institutional credit to agriculture. The achievement was 93 per cent, 72 per cent, 67 per cent, 62 per cent and 60 per cent of the target in Chhattisgarh, Punjab, Bihar, Himachal Pradesh and Andhra Pradesh, respectively. The remaining States like West Bengal, Jharkhand, Karnataka, Uttar Pradesh, Rajasthan, Madhya Pradesh, Assam, and Meghalaya achieved less than 60 per cent of the targeted flow of agricultural credit. The institutional credit for agriculture in the States is given in the Table 2.

The main reason for lesser achievement than the target is tedious procedures and delay in disbursement of loans. Special efforts required for making lending procedures farmers friendly.

13. Electricity Availability for Irrigation Pump sets

Availability of electricity for agricultural purposes in fifteen states showed that the electricity was available for 24 hrs in Chhattisgarh, Himachal Pradesh and Tamil Nadu, 20 hrs in Uttarakhand, 18 to 20 hrs in Uttar Pradesh, 14 to 15 hrs in Bihar, 12 to 14 hrs in Jharkhand, 9 hrs in Andhra Pradesh, 8 hrs in Gujarat, Haryana, Maharashtra and Madhya Pradesh, 6 to 8 hrs in Punjab, 5 to 6 hrs in Rajasthan and 4 to 6 hrs in Karnataka. On an average, the availability of electricity for irrigation pumps was about 13 hours per day. Improved access to quality power by installation of separate agriculture feeder in some selected districts is crucial in Bihar.



Institutional Credit (Rs. in crore) Target
Institutional Credit (Rs. in crore) Achievement

Institutional Credit (Rs. in crore) Achieve

Figure 8: Availability of Institutional Credit for Agriculture in the State

14. Availability of Farm Machinery for Timely Sowing, Harvesting and Other Operations

Farm machinery was easily accessible in Andhra Pradesh, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu and Uttar Pradesh for timely sowing, harvesting and other operations, whereas it is shortage in

Assam, Arunachal Pradesh, Bihar, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, Uttarakhand and West Bengal.

Following were the major reasons opined by states for shortage of farm machinery:

 Supply of farm machinery to the farmers at subsidized rate under the different Govt. programme/scheme often stand as cause of low stock in the market.

Table 2: Availability of Institutional Credit for Agriculture in the State (Rs. in crore)

Sl. No.	State	Target	Achievement	Per cent
1	Tamil Nadu	61161.71	61539.84	100.62
2	Chhattisgarh	3800.00	3546.60	93.33
3	Punjab [®]	60250.54	43638.30	72.43
4	Bihar*	60000.00	40000.00	66.67
5	Himachal Pradesh**	5348.48	3339.66	62.44
6	Andhra Pradesh	42532.00	25405.00	59.73
7	West Bengal	64071.00	32035.00	50.00
8	Jharkhand	8336.60	3787.60	45.43
9	Karnataka ^{@@}	98655.00	36874.00	37.38
10	Uttar Pradesh	70598.36	20891.99	29.59
11	Rajasthan	113461.72	21933.90	19.33
12	Madhya Pradesh***	109264.00	20644.00	18.89
13	Assam*	13867.71	2488.24	17.94
14	Meghalaya	2247.34	202.01	8.99

Note:* Data pertains to Annual, Assam & Bihar

- Availability is less at different stages of crop cycle specifically land preparation and harvesting.
- High cost of machinery and equipment specifically for marginal and small farmers.

Suggestions to overcome the shortage of farm machineries are as follows:

- Govt. can introduce programmes for supply of farm machinery to the farmers at subsidized rate.
- Developing low cost machinery and equipment suited to marginal and small farmers
- Establishment of more custom hiring centers on collective basis and public-private partnership mode.

15. Availability of Organic Manure, Farm-Yard-Manure, Vermi-compost and Bio-fertilizers

The availability of organic manure, farm yard manure, vermi compost and bio-fertilizers was adequate in Andhra Pradesh, Bihar, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Maharashtra, Rajasthan, Tamil Nadu, Uttarakhand, Uttar Pradesh and West Bengal, whereas it is shortage in Assam, Arunachal Pradesh, Chhattisgarh, Madhya Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Punjab and Tripura. Lack of awareness and availability in the market is the main reason for its lower usage. Special efforts required to solve this problem.

^{**} Data pertains to September 2018 (150th SLBC meeting of Shimla), Published by UCO Bank, Himachal Pradesh

^{***} Data pertains to 20th August 2018, SLBC, Madhya Pradesh

[®] Data pertains to November 2018 (Agenda papers of 146th Meeting of SLBC), Punjab

^{@@} Data pertains to September 2018, SLBC, Karnataka

Filled-in Questionnaires of AERCs for different States

Agro-Economics Research Centre, University of Delhi, Delhi-110007

Name of	AERC: Delhi S	tate: Har	yana		Qı	ıarter Co	vered:	Oct -	Dec 2018
Sl.No.	Indicators			C	urrent s	tatus			
1	Average Rainfall (mm)		Actual				N	ormal	
			9.8				:	29.4	
	dian Meteorological Department (IMD) Actual and Normal rainfall is accumulated rain	fall from 0	1st Oct 2018 to 31st D	ec, 2018.					
2	Number of districts received deficit rainfall in the State	No o	No of districts with deficit rainfall			all Total number of districts			districts
			16					21	
-99%; No Ro	ccess Rainfall: +20% or more than Actual Rainfa ain -100% dian Meteorological Department (IMD)	ll; Normal F	Rainfall: +19% to -199	%; Deficie	ent Rainfa	ll: -20% to	-59%; Sca	anty Ra	infall: -60% to
3	Area covered under major crops (Rabi season)	Sl. No.	(ron Name			ctual area (lakh ha)	a		geted area lakh ha)
		1	Wheat			24.54			25.23
		2	Gram			0.50			-
		3	Mustard		5				-
Source: Dir	rectorate of Economics and Statistics (Governm	nent of Hary	/ana)						
4	4 Incidence of major pests and diseases		. Crop Name	Sev	ere N	Moderate		v	Not at all
	major crops $()$	1	Wheat				√		
		2	Gram				√		
			Mustard				√		
Source: Va	rious markets								
5	Farm output price of major crops				Price (F	Rs. per qu	intal)		Average
		Sl.No.	Crop Name	Octol		ovember	1	mber	Price
		1	Wheat	-		-		-	-
		2	Gram	3876	5.3	4224.9	424	10.2	4113.8
		3	Mustard	3835	5.9	3950.1	3880.9		3889.0
	ider major Producing market marknet.gov.in				·				
6	Seed availability in the local market for	Sl. No.	. Crop Name				te	S	hortage
	major crops $()$	1	Wheat			\checkmark			
		2	Gram			\checkmark			
		3	Mustard			√			
Reason for	shortage of seed in the local market		Suggestions to	o overcor	ne the sh	ortage			
Source: Va	rious markets								
7	Prevailing market price of seed	Sl.	Crop Name			Price (Rs. per	kg)	
	(certified) of major crops	No.	Crop Name		Local va	ariety		Hybric	l variety
		1	Wheat		28-3	80			-
		2	Gram		35-4			125	5-130
		3	Mustard		38-4	12			-
Source: Va	rious markets								

8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequate	Shortage		
	the local market $()$	1	Urea		√	-		
		2	DAP		√	-		
		3	SSP		√	-		
		4	Others (NPK)		√	-		
Reaso	on for shortage of chemical fertilizer in the loca	ıl market		Suggestion	ns to overcome	the shortage		
	-				-			
Source: V	arious Markets							
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Price (Rs. per kg)		
		1	Urea			5.40		
		2	DAP			22.50		
		3	SSP			7.25		
		4	Others (NPK)			-		
ource: V	/arious Markets							
10	Availability of agricultural labour $()$	Ea	asily available		S	hortage		
			√					
	Reason for shortage of agricultural labor	ur		Suggestions to overcome the shortage				
ource: V	arious Markets							
11	Prevailing wage rate for casual labour in		Male			Female		
	agriculture (Rs./day)		450			300		
iource: A	Agricultural Situation in India							
12	Availability of institutional credit for agriculture in the State	Targ	et (Rs. in Crore)		Achieveme	ent (Rs. in Crore)		
	Reason for less achievement against the targe	o t	-	Suggestion	ns to overcome	the shortage		
	-			Suggestion	is to overcome	the shortage		
	let a transfer de la constant		1 (1					
13	Electricity availability for irrigation pump		mber of hours po	er day)		8		
	on for improvement on more accuracy in electric							
	District Nodal Officers, Deputy Director Agriculture					1		
14	Availability of farm machinery for timely and other operations $()$	sowing, h	narvesting		vailable	Shortage		
					V			
	Reason for the shortage			Suggestion	ns to overcome	the shortage		
	-				-			
ource: V	/arious Markets							
15	Availability of organic manure, farm-		Adequate			Shortage		
	yard-manure, vermi-compost, biofertilizer ($$)		√					
	Reason for the shortage	1		Suggestion	ns to overcome	the shortage		
					-	<u> </u>		
ource: V	arious markets							
16	Remarks and observations				-			

NA implies Not Available

Quarter Covered: Oct - Dec 2018

Name of AERC: Delhi

Agro-Economics Research Centre, University of Delhi, Delhi-110007

State: Uttarakhand

Sl.No.	Indicators	Current status								
1	Average Rainfall (mm)		Actual				Normal			
		25.1 89.6					5			
Source: In December,	dian Meteorological Department (IMD), Note: The 2018.	Actual a	nd Normal rainfall	is accumulo	ated ra	ainfall from 1s	t October 2	018 to 31st		
2	Number of districts received deficit	No o	No of districts with deficit rainfall Total n					umber of districts		
	rainfall in the State (June)		12 13							
-99%; No R		rmal Rai	nfall: +19% to -19%	; Deficient F	Rainfal	ll: -20% to -59%	%; Scanty Ro	ainfall: -60% t		
Source: IM 3	Area covered under major crops (Rabi	Sl.	Crop Name			Actual area	-	Targeted are		
	season)	No.	'		(lakh ha)			(lakh ha)		
		2	Wheat			3.25		3.40		
					0.01			-		
Source: Di	rectorate of Economics and Statistics (State Gover	nment o	Mustard f Uttarakhand)			0.165		-		
		1) Octaraknana)							
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Sev	ere	Moderate	Low	Not at		
		1	Wheat				√			
		2	Gram				√			
		3	Mustard				√			
Source: Va	rious Markets									
5	Farm output price of major crops	Sl.	Crop Name	Price (R		(Rs. per quin	Avera			
		No.	Crop Name	Octobe	er November		Decembe	er Price		
		1	Wheat	1874.8		1965.4	1922.4	1920.		
		2	Gram	-		4600.0	4961.5	4780.		
		3	Mustard	3351,0		3300.0	2750.0	3133.		

	1 2	Wheat Gram	√ √			
	2	Gram	√			
			'			
	3	Mustard	√			
or shortage of seed in the local market	:	S	Suggestions to overcome the shortage			
-			-			
			•			

7	Prevailing market price of seed		Cron Namo	Price (Rs. per kg)		
	(certified) of major crops	Sl. No.	Crop Name	Local variety	Hybrid variety	
		1	Wheat	28-30	-	
		2	Gram	35-40	125-130	
		3	Mustard	38-42	-	
Remarks:						
Source: Va	rious Markets					

8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fert	tilizers		Adequate	Shortage		
	the local market ($$)	1	Urea			√			
		2	DAP			√			
		3	SSP						
		4	Othe	rs					
Reas	son for shortage of chemical fertilizer in the lo	cal market	t		Sug	gestions to ove	rcome the shortage		
Source: Va	arious Markets								
9	Prevailing market price of fertilizer	Sl. No.	Fertil	lizers			Price (Rs. per kg)		
		1	Urea				5.40		
		2	DAP				22.50		
		3	SSP				7.25		
		4	Othe	rs			-		
Source: Vo	arious Markets								
10	Availability of agricultural labour $()$	E	asily av	vailable			Shortage		
				ny avaitable					
	Reason for shortage of agricultural labour				Sugg	estions to over	come the shortage		
Source: Va	arious Markets								
11	Prevailing wage rate for casual labour in			Male			Female		
	agriculture (Rs./day)		350			300			
Source: Ag	gricultural Situation in India					'			
12	Availability of institutional credit for	Targ	et (Rs.	in Crore)	Achiev	vement (Rs. in Crore)		
	agriculture in the State	14.5	-	0.0.0,	,	710	-		
	Reason for less achievement against the targe	 et			Sugg	estions to over	come the shortage		
	-				33	-			
Source:									
13	Electricity availability for irrigation pump	sets (nui	mber o	of hours p	er dav)		20		
Suggestion	n for improvement on more accuracy in electri				, ,				
	griculture Development Officer (ADO), Vikas Nagai		, Uttara	akhand					
14	Availability of farm machinery for timely	sowing.		Fa	asily ava	ilable	Shortage		
	harvesting and other operations ($$)	2311115,			,		√		
	Reason for the shortage				Suga	estions to over	come the shortage		
	-				3-33	-			
ource: Vo	arious Markets								
15	Availability of organic manure, farm-yard	-		Ade	equate		Shortage		
	manure, vermi-compost, bio-fertilizer ($$)			7.00	1		2		
	Source: Agriculture Development Officer (ADO)	. Vikas Nao	ar Dehr	radun. Utti	arakhana				
1(, ,		, 0111					
16	Remarks and observations					NA			

NA implies Not Available

3.69

1.29

Agro-Economic Research Centre, Vallabh Vidyanagar, Gujarat

		- Julius Cajarat	Quantities de la constant de la cons
Name of	AERC: Vallabh Vidyanagar	State: Gujarat	Quarter Covered: Oct - Dec 201

Name of	ALIC. Vallabii Vidyailagai	ate. G	ajaiat			Quarter Cover	ed. Oct - Dec 2016					
Sl.No.	SI.No. Indicators Current status											
1	Average Rainfall (mm)		Actual			Normal						
	(01.10.2018 to 31.12.2018)		0.7			31.8						
2	Number of districts received deficit	No	of districts w	th deficit	rainfall	Total nu	mber of districts					
	rainfall in the State (01.10.2018 to 31.12.2018)		rge deficit	No Ra	ainfall	Total nu	iliber of districts					
	31.12.2016)		11 22		33							
Note: Exces	ss Rainfall: +20% or more than Actual Rainfall; ain -100%;	Normal R	ainfall: +19% to	-19%; Defic	ient Rainfa	all: -20% to -59%; S	canty Rainfall: -60% to					
3	Area covered under major crops (as on 24.12.2018)	Sl. No.	Crop Name		_	tual area lakh ha)	Targeted area* (lakh ha)					
	(Source: http://dag.gujarat.gov.in)	1	Wheat		7.30		10.13					
		2	Gram			1.66	2.89					
		3	Mustard			1.94	2.18					

Note: 1) Top 5 major crops considering Gross cropped area
2) * Because of unavailability of targeted area figures, the last three years average area has been taken as the proxy for the Target

4	Incidence of major pests and diseases in major crops (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all			
		1	Wheat	-	-	$\sqrt{}$	-			
		2	Gram	-	√	-	-			
		3	Mustard	-	-	√	-			
		4	Cumin	-	√	-	-			
		5	Potato	-	-	√	-			
Source: Fie	ource: Field surveys, Cost of Cultivation Scheme, Gujarat									

Cumin

Potato

3.21

1.20

5	Farm output price of major crops	Sl. Gran Nama		Price	Average		
		No.	Crop Name	Oct	Nov	Dec	Price
		1	Paddy (Khambhat)	1762.06	1762.06	1834.55	1794.47
		2	Maize (Dahod)	1484.17	1484.17	1634.12	1522.52
		3	Groundnut (Gondal)	4297.86	4297.86	4073.07	4249.87
		4	Castor (Lakhani)	5218.39	5218.39	5202.30	5214.21
	5		Cotton (Patan)	5662.92	5532.07	5359.26	5550.70

Note: Considering the major producing markets;

Source: http://agmarknet.gov.in

6	Seed availability in the local market for	Sl.No.	Crop Name	Adequate	Shortage		
	major crops $()$	1	Paddy	√			
		2	Tur	√			
		3	Groundnut	√			
		4	Cotton	√			
		5	Fodder	√			
	Reason for shortage of seed in the local market	et	Suggestions to overcome the shortage				
	-		-	_			
Source: F	ield surveys, Cost of Cultivation Scheme, Gujarat						

7	Prevailing market price of seed					Price (R	s. per kg)	
	(certified) of major crops	Sl.No	cro	p Name	Local variety			ety/Improved variety	
		1	Whe	eat	15-20			25-35	
		2	Gra	m	45-60		125-175		
		3	Mus	tard	60-70			450-500	
		4	Cun	nin	100-120			300-350	
		5	Pota	ato	7-7.5			NA	
Source: Fi	ield surveys, Cost of Cultivation Scheme, Guj	iarat							
8	Chemical Fertilizer (NPK) availabilit the local market $()$	y in	Sl.No.	Fertilizers	Adequ	uate		Shortage	
	the total market (V)			Urea	√ √				
		-	2	DAP	√ 				
		-	3	SSP	√ √				
Peaso	on for shortage of chemical fertilizer in the	local r	4 market	Others	,	ns to overco	me the s	hortage	
Neuso	-	i locul II	iiui ket		Juggestion	-	ine the s	iortage	
ource: Fi	ield surveys, Cost of Cultivation Scheme, Guj	jarat							
9	Prevailing market price of fertilizer		Sl.No.	Fertilizers			Price	e (Rs. per kg)	
,	Trevaling market price of fertilizer		1	Urea			11100	6.0	
			2	DAP				25.6	
			3	SSP				13.30	
			4	Others				-	
ource: Fi	ield surveys, Cost of Cultivation Scheme, Guj	arat							
10	Availability of agricultural labour $()$			Easily	available			Shortage	
					√				
	Reason for shortage of agricultural lab	oour			Suggestio	ns to overco	me the s	hortage	
ource: Fi	ield surveys, Cost of Cultivation Scheme, Guj	arat							
11	Prevailing wage rate for casual labou	r in		Male			Female		
	agriculture (Rs./day)			300 - 3!	50		200	0 - 250	
Source: Fi	ield surveys, Cost of Cultivation Scheme, Guj	arat							
12	Availability of institutional credit for			Target (Rs.	in Crore)	Ac	hieveme	ent (Rs. in Crore)	
	agriculture in the State (Qtr ended December 2017)			NA				NA	
	Reason for less achievement against the	target			Suggestio	ns to overco	ome the s	hortage	
	-					-			
13	Electricity availability for irrigation p	oump s	ets (nur	mber of hour	s per day)			8	
Suggestio	on for improvement on more accuracy in ele	ectricit	y: NA						
Source : Fi	ield surveys, Cost of Cultivation Scheme, Guj	arat							
14	Availability of farm machinery for time other operations ($$)	nely so	wing, h	arvesting an	d Eas	sily availab √	le	Shortage	
	Reasons for the shortage				Suggestion	ns to overco	me the s	hortage	
ource: Fi	ield surveys, Cost of Cultivation Scheme, Guj	arat							
15	Availability of organic manure, farm-vermi-compost, bio-fertilizer $()$	yard-m	anure,		Adequate $\sqrt{}$		Shortage		
Source: Fi	ield surveys, Cost of Cultivation Scheme, Guj	arat		_1					
16	Remarks and observations					-			

Agro-Economic Research Centre, Vallabh Vidyanagar, Rajasthan

Sl.No.	Indicators			Currer	t stat	us			
1	Average Rainfall (mm)		Actual			١	Iormal		
	Period: 01-10-2018 To 30-12-2018		1.2 (-93%)				17.7	7.7	
ource: Ind	lia Meteorological Department, Hydromet Divisio	n, New D	elhi, http://hydro.imd.go	v.in					
2	No. of districts received deficit rainfall in the state	No. of	districts with deficit	rainfall		Total num	ber of dist	ricts	
	in the state		01 (Deficient Rainfall 14 (Scanty Rainfall) 18 (No Rain))	3				
lote: Exces 99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Rai	nfall: +19% to -19%; Defici	ent Rainfo	all: -20	% to -59%; Sco	anty Rainfall	: -60% to	
Source : Ind	lia Meteorological Department, Hydromet Divisio	n, New D	elhi, http://hydro.imd.go	v.in					
3 Area covered under major crops (As on 13-12-2018)		Sl. No.			Actua (lakh			ed area n ha)	
		1	1 Wheat		23.	.96	32	2.0	
		2	Barley		2.	79	03	3.0	
		3	Gram		14.	.53	15	5.0	
		4	Rapeseed & Mustard		22.	.79	26	5.0	
		5	Taramira		0.	35	2.0		
,	5 major crops considering Gross cropped area; rectorate of Agriculture, Jaipur, Rajasthan Incidence of major pests and diseases in	Sl.	Crop Name	Seve	re	Moderate	Low	Not at	
	principal crops sown ($$)	No.		3646		Moderate	LOW		
		1	Wheat					<u>-</u>	
		2	Barley					√ /	
		3	Gram					<u>-</u>	
		4	Rapeseed & Mustard					√ √	
·	manission and a file Agricultura Daisethan Jainur	5	Taramira					٧	
ource: Col	mmissionarate of Agriculture, Rajasthan -Jaipur							1	
5	Farm output price of major crops	Sl.	Crop Name		Price	e(Rs. per qu	intal)	Averag	
		No.	Crop Name		Oct Nov		Dec	Price	
		1	Wheat (Sriganganagar)	184	4.08	1861.14	1878.57	1855.1	
		2	Barley (Jaipur)	163	0.39	1628.12	1615.12	1624.4	
		3	Gram (Bikaner)	378	86.87	3719.80	3692.36	3742.1	
		4	Rapeseed & Mustard (Bharatpur)	390	3.26	4150.90	4265.76	3992.6	
		5	Taramira (Sriganganag	gar) 42 4	18.67	4156.00	4862.50	4414.9	
lote: Cons	ider major Producing market ; Source: http://ag	marknet.	gov.in						
6	Seed availability in the local market for	Sl. No	c. Crop Name			Adequate	Sh	ortage	
	major crops (√)	1	Wheat			$\sqrt{}$			
		2	Barley			$\sqrt{}$			
		3	Gram			$\sqrt{}$			
			4 Rapeseed & Mustard			√			
		4	Rapeseed & Musi	taru		· · · · · · · · · · · · · · · · · · ·			
		5	Taramira Taramira	Lai u		√			

	eld surveys, Cost of Cultivation Scheme, Rajastha	n							
7	Prevailing market price of seed	Sl.				Price (Rs	. per kg)		
	(certified) of major crops	No.	Cro	p Name	Local	l variety	Hybrid variety		
		1	Whe	eat	3	0-35			
		2	Barl	ley		30			
		3	Gra	m		70			
		4	Rap	eseed & Mustard	5	0-70	400		
		5	Tara	amira		70			
Remarks:									
	eld surveys, Cost of Cultivation Scheme, Rajastha								
8	Chemical Fertilizer (NPK) availability in the local market $()$	Sl. No.		tilizers	,	Adequate	Shortage		
	the total market (1)		Ure				√		
		2	DAP			√ 			
		3	SSP			√			
		4	Oth	iers		√			
	on for shortage of chemical fertilizer in the local			Sug	gestions to	overcome the s	hortage		
Due to earl local level	ly sowing of rabi crops and proper supply urea no	t being at	9	Should be improve th	ne distributi	ion system			
Source: Fie	eld surveys, Cost of Cultivation Scheme, Rajastha	n							
9	Prevailing market price of fertilizer	Sl. No.	Fer	tilizers		Price (Rs	. per kg)		
		1	Ure	ea .	5.92				
		2	DAP)	29.0				
		3	SSP	1		6.	.0		
		4	Oth	ners (MoP)		18	18.0		
Source: Fie	eld surveys, Cost of Cultivation Scheme, Rajastha	n							
10	Availability of agricultural labour $()$			Easily avail	lable		Shortage		
				√					
Source: Fie	eld surveys, Cost of Cultivation Scheme, Rajastha	n							
11	Prevailing wage rate for casual labour in			Male	Female				
	agriculture (Rs./day)			300-350			200-250		
Source: Fie	eld surveys, Cost of Cultivation Scheme, Rajastha	n							
12	Availability of institutional credit for		Targ	get (Rs. in Crore)		Achievem	ent (Rs. in Crore)		
	agriculture in the State (Qtr ended March 2018)			113461,72			1933.90		
	Reason for less achievement against the targe	t .			estions to	overcome the s			
	-			2-33	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-			
Source: Sta	nte Level Banker's Committee, Rajasthan								
13	Electricity availability for irrigation pump	sets (nur	mher	of hours per day)			5-6		
	for improvement on more accuracy in electric	-	IIDCI	or flours per day)			3-0		
	riculture Supervisors, Dept. of Agriculture, GoR,								
14	Availability of farm machinery for timely	sowing b	251/04	sting and	Easily a	vailabla	Chartage		
14	Availability of farm machinery for timely sother operations ($$)	sowing, n	harvesting and Easily av			ily available Shortage			
	Reason for the shortage			Sugg	estions to	overcome the s	shortage		
	Availability of organic manure, farm-yard-	manuro		Adea	ulate		Shortage		
15	Availability of organic manure, farm-yard-manu vermi-compost, bio-fertilizer $()$			Adequate √			Shortage		
15		manure,					Shortage		

NA - implies Not Available

Agro-Economic Research Centre, Allahabad, Uttara Pradesh

Sl.No.	Indicators				Cı	urrer	nt status				
1	Average Rainfall (mm)		Ac	tual				N	ormal		
	Oct 2018 to Dec 2018		7	2.6					44.8		
2	No. of districts received deficit rainfall	No. of	districts v	vith de	eficit rain	fall	Tota	ıl num	ber of dis	er of districts	
	in the state			19		75					
l ote : Exce 99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rai	nfall: +19% t	o -19%;	Deficient	Rainf	all: -20% to -5	9%; Sca	ınty Rainfo	all: -60% to	
3	Area covered under major crops	Sl. No. Crop Name			Actual area (Lakh ha)				eted area akh ha)		
		1	Wheat				90.32		9	9.18	
		2	Gram				5.72		!	5.80	
		3	Masoor				4.49		4	4.50	
		4	Pea				5.73		(6.10	
		5	Mustard				7.87			7.45	
lote: Top	5 major crops considering Gross cropped area										
4	4 Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Nam	ne	e Severe		Moderate	Low		Not at al	
		1	Wheat						√		
		2	Gram	Gram					√		
		3	Masoor						√		
		4	Pea	tard					√		
		5	Mustard						√		
5	Farm output price of major crops	Sl.	. Crop		Pr	ice(R	s. per quint	al)		Average	
		No.	Name	October		November		December		Price	
		1	Wheat	Not H	arvested	d Not Harvested		Not Harvested			
		2	Gram	Not H	arvested	d Not Harvested		Not Harvested			
		3	Masoor	Not H	arvested	Not	Harvested	Not H	arvested		
		4	Pea	Not H	arvested	Not	Harvested	Not H	arvested		
		5	Mustard	Not H	arvested	d Not Harvested		Not H	arvested		
lote: Cons	sider major Producing market										
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Nan	ne			Adequate		Sho	ortage	
		1	Wheat				√				
		2	Gram				√				
		3	Masoor				√				
		4	Pea				√				
		5	Mustard			√					
	Reason for shortage of seed in the local marke	rt			Sugges	tions	to overcome	the sh	nortage		

7		rket price of seed	Sl.	Crop Name		Price (Rs.	per kg)			
	(certified) of	major crops	No.	Crop Name	Local	variety	Hybrid variety			
			1	Wheat	33	- 35				
			2	Gram	90 -	- 110				
			3	Masoor	77	- 85				
			4	Pea	60 - 75					
			5	Mustard	100	- 125	400 - 460			
marks:						,				
8	Chemical Fert	ilizer (NPK) availability in	Sl. No.	Fertilizers	Ade	quate	Shortage			
	the local mar		1	Urea		· 1				
			2	DAP		√				
			3	SSP		√				
			4	Others		√				
Reaso	n for shortage of	chemical fertilizer in the loc	al market		uggestions to	overcome the	shortage			
	, ,	<u> </u>				<u>-</u>				
9	Droveiling ma	rhat price of fortilizer	Sl. No.	Fertilizers		Drice (De	20x (xx)			
9	Prevailing mai	rket price of fertilizer	3t. No.	+		Price (Rs. 6.50 -	. •			
				Urea						
			2	DAP		23.00 - 25.00				
			3	SSP	9.00 - 1 12.00 -					
			4	Others		12,00 -	18,00			
10	Availability of	agricultural labour $()$	Easily availab	le		Shortage				
				V						
11	Prevailing was	ge rate for casual labour in		Male			Female			
	agriculture (R	s./day)		250 - 300			175 - 250			
12	Availability of	institutional credit for		Target (Rs. in Crore	e)	Achievemer	nt (Rs. in Crore)			
	agriculture in	the State		70598.36	,		891.99			
	Reason for less	achievement against the targ	et	2	Suggestions to	overcome the	shortage			
	<u> </u>					-				
13	Flectricity av	ailability for irrigation pum	n sets (nu	mher of hours per d	lav)		18 - 20			
		nt on more accuracy in electri		mber or mours per e			.0 20			
		-			F 'I		Charten			
14	other operation	farm machinery for timely ons $()$	sowing, i	narvesting and		available √	Shortage			
		son for the shortage				overcome the s	hortago			
						Overcome the s	illoi tage			
15		organic manure, farm-yardst, bio-fertilizer ($$)	l-manure,	A	dequate		Shortage			
	verini-compos				√ 					
16	Remarks and	1. Information from Sr. No	. 1 to 4 ha	ve been collected from	Directorate of	Agriculture, U.	P., Lucknow.			
	observations	The availability of inst Directorate of Agricultu		•	Crop loan & KC	CC) in U.P. has	also been collected fr			
		3. Apart from these most			ed from the far	mers of Allahaba	ad district.			
		5. The information of availability for Institutional credit for agriculture (Crop loan & KCC) in the State is up								
		30/11/2018 6. Electricity availability f	or irrigatio	n pump sets was very i	rregular across	the state.				
		7. Information of area cov	ered under	major crops is upto 2°	1/12/2018.					

Note: Data shall be collected quarterly consisting of 1st Quarter - July to September, 2nd Quarter - October to December, 3rd Quarter - January to March and 4th Quarter - April to June.

Agro-Economic Research Centre, PAU, Ludhiana, Punjab

Name of AERC: PAU, Ludhiana	State: Punjab	Quarter Covered: Oct - Dec 2018
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Sl.No.	Indicators				C	urrent s	tatus				
1	Average Rainfall (mm)			Actual				Normal			
				9.6			41.2				
2	No. of districts received deficit rainfall	No. of	dist	ricts with de	eficit rain	fall	Total number of districts				
	in the state			19			20*				
Note: Exces -99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No iin -100%	rmal Rai	nfall:	+19% to -19%;	Deficient	Rainfall:	-20% to -59%	%; Scanty Rainf	all: -60% to		
3	Area covered under major crops**	Sl. No.	Cro	Crop Name			ctual area (Lakh ha)		geted area _akh ha)		
		1	Wh	eat			34.92		34.80		
		2	Pac	ldy			30.42		29.00		
		3	Cot	ton			2.84		4.00		
		4	Mai	ize			1.24		1.50		
		5	Sug	garcane			1.05		1.00		
Note: Top 5	5 major crops considering Gross cropped area										
4	4 Incidence of major pests and diseases in principal crops sown $()$	Sl. No.	Cro	p Name	Severe		oderate	Low	Not at al		
		1	Wh	eat	-		-	√	-		
		2	Pac	ddy -			-	-	-		
		3	Cot	ton	-		-	√	-		
		4	Mai	ize	-		-	√	-		
		5	Sug	garcane	-		-	√	-		
5	Farm output price of major crops	Sl.	SI		Price (Rs. per quintal)				Average		
		No. Crop Name		p Name	Oct		Nov	Dec	Price		
		1	Wh	eat	1770		1785	1850	1800		
		2	Pac	ldy	1770)	1770	1770	1770		
		3	Cot	ton	5150	53	800-5500	5200-5400	5270		
		4	Mai	ize	950-14	00 1	20-1700	1700-1850	1550		
		5	Sug	garcane	310		310	310	310		
Vote : Cons	ider major producing market										
6	Seed availability in the local market for	Sl. No	0.	Crop Name			Ade	equate	Shortage		
	major crops $()$	1		Wheat				√	-		
		2		Paddy				-	-		
		3		Cotton				-	-		
		4		Maize				-	-		
		5		Sugarcane				-			
	Reason for shortage of seed in the local marke	t			Sugges	tions to	overcome t	the shortage			
	NA										

7	Prevailing market price of seed	Sl.			Pric	e (Rs. per kg)	
	(certified) of major crops	No.	Crop Name	Loc	al variety		
		1	Wheat		30	30	
		2	Paddy		-	-	
		3	Cotton		-	-	
		4	Maize		-	-	
		5	Sugarcane		-	-	
Remarks:							
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequate	Shortage	
	the local market $()$	1	Urea		√	-	
		2	DAP		√	-	
		3	SSP	SP		-	
		4	Others		√	-	
Reaso	n for shortage of chemical fertilizer in the loca	l market		Suggestions to	overcome	the shortage	
	NA						
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Price (Rs. per kg)	
			Urea			5.90	
			DAP			25,80	
		3	SSP			19.60	
			Others (Zinc)		3	3%- 60 Rs. 21%- 30 Rs.	
10	Availability of agricultural labour ($$)		Easil	y available		Shortage	
	, , ,			√			
	Reason for shortage of agricultural labour			Suggestions to	overcome	the shortage	
Harvesting	g of paddy crop and sowing of wheat crop during t	this quarte	Mono-culture ne pattern in the st		uraged in f	avour of diversified cropping	
11	Prevailing wage rate for casual labour in		Male			Female	
	agriculture (Rs./day)		350		220-250		
12	Availability of institutional credit for		Target (Rs. in Laki	ns)	Achie	hievement (Rs. in Lakhs)	
	agriculture in the State***		6025054			4363830	
	Reason for less achievement against the targe	rt		Suggestions to	overcome	the shortage	
	To avoid over financing in agriculture				-		
13	Electricity availability for irrigation pump	sets (nui	mber of hours per o	day)		6 - 8	
Suggestio	n for improvement on more accuracy in electric	•	<u> </u>	• • • • • • • • • • • • • • • • • • • •			
14	Availability of farm machinery for timely other operations (\(\)	sowing, h	arvesting and	Easily a	vailable	Shortage	
	Reason for the shortage			Suggestions to	overcome	the shortage	
	NA			Ju3363610113 10	-	ene snortuge	
45			, .			Charten	
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ($$)	manure,	Ade	equate		Shortage √	
	Reason for the shortage		Suggestions to	overcome	· · · · · · · · · · · · · · · · · · ·		
Production	n constraint in case of FYM					be increased targeting the	
14	Pomarks and observations		l				
16	Remarks and observations			-			

^{*} Data on new formed two districts are not presently available separately, and is part of the parent districts.

^{**} Provisional estimates

^{***} Data pertains up to November 2018(Agenda papers of 146 th Meeting of SLBC-Punjab) NA implies Not Applicable

Agro-Economic Research Centre, Shimla, Himachal Pradesh

Name of	AERC: Shimla	State: H	lima	achal Prad	esh	Q	uarter Co	vered	: Oct -	- Dec 2018	
Sl.No.	Indicators	Current status									
1	Average Rainfall (mm)	Actual				Normal			rmal		
		56.4				108.2					
Source: Me	teorological Centre, Shimla Himachal Pradesh										
2	No. of districts received deficit rainfall	No. of	dis	tricts with o	deficit rair	nfall	Total	numb	er of di	stricts	
	in the state			11				12			
-99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; N nin -100% teorological Centre, Shimla Himachal Pradesh	Iormal Rai	nfall	: +19% to -19%	í; Deficient	Rainfall	-20% to -59	%; Scan	ty Rainfe	all: -60% to	
3	Area covered under major crops	Sl. No.	Cro	op Name		Actual area (Lakh ha)				Targeted area (Lakh ha)	
		1	Wł	neat			3.53			3.6	
			2 Barley				0.191			0.195	
		3	3 Pulses			0.124			0.125		
	najor crops considering Gross cropped area ectorate of Agriculture, Government of Himach	al Pradesh									
4	Incidence of major pests and diseases in principal crops sown (\checkmark)	Sl. No.	Cro	op Name		Severe	Moder	ate	Low	Not at all	
		1	Wh	neat					√		
		2	Ва	rley						√	
		3	Pu	lses						√	
Source: Dir	ectorate of Agriculture, Government of Himach	al Pradesh	1								
5	Farm output price of major crops	Sl.	C	N		Pri	ce (Rs. per	s. per quintal)		Average	
		No.	Cr	op Name		Oct	Nov	De	ec	Price	
		1	1 Wheat			1600	1600	1600		1600	
		2	Ва	rley		1500	1500	15	00	1500	
		3	Pu	lses		8000	8000	80	00	8000	
Note: Cons Source: Loc	ider major Producing market cal Markets										
6	Seed availability in the local market for	Sl. No	0.	Crop Name	e		Ad	equate	•	Shortage	
	major crops (√)	1		Wheat				√			
		2		Barley				√			
		3		Pulses				\checkmark			
	Reason for shortage of seed in the local mark	ket			Sugge	stions to	overcome	the sho	rtage		
	•					No sh	ortage repo	rted			
Source: Dir	ectorate of Agriculture, Government of Himach	al Pradesh									
7	Prevailing market price of seed	Sl.	(C	rop Name			Price (Rs	. per k	g)		
	(certified) of major crops	No.			Lo	cal vari	ety	I	Hybrid	variety	
		1	+-	'heat		16.00					
		2	+	arley		15.00					
		3		ulses		80.00					
Source: Dir	ectorate of Agriculture, Government of Himach	at Pradesh	1								

	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertil	izers		Adequate	Shortage	
the local market $()$		1	Urea			√		
		2	DAP			Not used in H.	Р	
	3	SSP			$\sqrt{}$			
				'S				
			(i)	NPK (12:	:32:16)	√		
		4	(ii)	МОР		√		
			(iii)	NPK 15:	15:15 RCF	√		
Reason fo	or shortage of chemical fertilizer in the local i	market			Suggestions to	o overcome the	shortage	
	-				No sho	ortage reporte	ed	
Source: Dire	ectorate of Agriculture, Government of Himacha	ıl Pradesh						
9	Prevailing market price of fertilizer	Sl. No.	Fertil	izers		Pric	e (Rs. per kg)	
		1	Urea				14.75	
		2	DAP				-	
		3	SSP				10.58	
			Other	·s				
			(i)	NPK (12:3	32:16)		20.22	
		4	(ii)	MOP	*	12.48		
			(iii)	NPK 15:1	5:15 RCF		16.74	
Source: Dire	ectorate of Agriculture, Government of Himacha	l Pradesh						
10	Availability of agricultural labour (√)			Easily	available		Shortage	
		-			√			
	Reason for shortage of agricultural labour	Į.			Suggestions	to overcome th	e shortage	
					No S	Shortage reporte	ed	
Source: Dire	ectorate of Agriculture, Government of Himacha	ıl Pradesh						
11	Prevailing wage rate for casual labour in			Male			Female	
	agriculture (Rs./day)			240			240	
Source: Dire	ectorate of Agriculture, Government of Himacha	ıl Pradesh						
12	Availability of institutional credit for		Target	: (Rs. in C	rore)	Δchieve	ment (Rs. in Crore)	
	agriculture in the State			5348.48		7 terrie ve	3339.66	
R	Reason for less achievement against the targe	 et		33 10. 10	Suggestions	to overcome th		
	-	-				shortage reporte		
Source: Age	nda Papers Review Data Sept. 2018 (150th SLBC	meeting o	f Shimla	ı) published		3		
	Electricity availability for irrigation pump				-		24	
	for improvement on more accuracy in electric			pc				
	. State Electricity Board	•						
	Availability of farm machinery for timely	sowing h	arvecti	ng and	Facily	vailable	Shortage	
	other operations ($$)	oowing, n	ai vesti	ing allu	Easily a	√	Silortage	
	Reason for the shortage				Suggestions	to overcome th	e shortage	
	-				No :	shortage reporte	ed .	
Source: Dire	ectorate of Agriculture, Government of Himacha	l Pradesh						
	Availability of organic manure, farm-yard-	-manure,			Adequate		Shortage	
	vermi-compost, bio-fertilizer ($$)				$\sqrt{}$			
Source: Dire	ectorate of Agriculture, Government of Himacha	ıl Pradesh				<u>'</u>		
16	Pomarks and observations	Thora :	20% ~	ot irrigate	nd area in U.D.			
16	Remarks and observations	mere 19	ZU% N	et irrigate	ed area in H.P.			

NA - implies Not Available

Agro-Economic Research Centre, ADRTC, Bengaluru

Name of AERC: ADRTC	State: Karnataka	Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status									
1	Average Rainfall (mm)	Actual					Normal				
		96					188				
2	No. of districts received deficit rainfall	No. of	f dist	ricts with de	fall	Total number of district					
	in the state	17						30)		
	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%; Source: Data from Department of Agric			+19% to -19%;	Deficient	Rainfall:	-20% to -59	%; Scanty	/ Rainj	fall: -60% to	
3	Area covered under major crops	Sl. No. Crop Name							geted area Lakh ha)		
		1	Pad	ddy		0.117			0.23		
		2	Ma	Naize			0.814			1.05	
		3	Gro	oundnut		0.72				0.71	
		4	Sur	nflower		0.63				1.86	
		5	Bei	Bengal gram		12.38				12.18	
Note: Top !	5 major crops considering Gross cropped area; So	urce: Dat	ta fro	m Department	of Agricu	lture, GO	K				
4	Incidence of major pests and diseases in principal crops sown $()$	Sl. No.	Cro	p Name	Sever	еМ	oderate	Lov	٧	Not at al	
		1	Pad	ddy			√				
		2	Ma	ize			√				
		3	Gro	oundnut						√	
		4	Sur	nflower						√	
		5	Bei	ngal gram						√	
Source: Dat	ta from Department of Agriculture, GOK										
5	Farm output price of major crops	Sl. No. Crop Name			Price (R	s. per qui	ntal)		Average		
				p Name	Oct		Nov		ec	Price	
		1	Paddy		1636	1706		1896		1746	
		2	Ma	ize	1443		1432.7	15	73	1482.9	
		3	Gro	oundnut	4416	,	4817	448	9.7	4574	
		4	Sur	nflower	3766		3695		60	3763.7	
		5	Bei	ngal gram	5482.	7	5783.3	631	6.7	5860.9	
	ider major Producing market ; marknet.nic.in										
6	Seed availability in the local market for	Sl. N	0.	Crop Name			Ade	equate		Shortage	
	major crops ($$)	1		Paddy				√			
		2		Maize				√			
		3		Groundnut				√			
		4		Sunflower				√			
		5		Bengal gran	1			√			
	Reason for shortage of seed in the local marke	rt			Sugges	tions to	overcome	the short	tage		

7	Prevailing market price of seed	Sl.			Price (R	s. per kg)	
	(certified) of major crops	No.	Crop Name	Local v	ariety	Hybrid variety	
		1	Paddy	32.	75	82.50	
		2	Maize	30.	00	183.00	
		3	Groundnut	oundnut 88.0			
			Sunflower	120	.00	215.00	
		5	Bengal gram	57.	00		
Source: D	ata from Department of Agriculture, GOK						
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Ade	quate	Shortage	
	the local market (\mathcal{I})		Urea		$\sqrt{}$		
		2	DAP		\checkmark		
		3	SSP		\checkmark		
		4	Others		\checkmark		
Reaso	on for shortage of chemical fertilizer in the loca	l market		Suggestions to ove	rcome the	shortage	
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Р	rice (Rs. per kg)	
		1	Urea		5.9		
		2	DAP		29.7		
		3	SSP		9.0		
		4	Others			-	
Source: D	ata from Department of Agriculture, GOK						
10	Availability of agricultural labour (f)		Easil	y available	Shortage		
						V	
	Reason for shortage of agricultural labour			Suggestions to ove	rcome the	shortage	
They p	orefer to move to urban areas for jobs to get bette	er income	Inc	rease the wage rate	s for agricu	ulture works	
11	Prevailing wage rate for casual labour in		Male			Female	
	agriculture (Rs./day)		303.98			303.98	
Source: la	bour.kar.nic.in						
12	Availability of institutional credit for		Target (Rs. in Cror	e)	Achievem	nent (Rs. in Crore)	
	agriculture in the State		98655			36874	
	Reason for less achievement against the targe	rt		Suggestions to ove	rcome the	shortage	
	-				-		
Note: date	a pertains up to September 2018, Source: SLBC, Ka	ırnataka	<u> </u>				
13	Electricity availability for irrigation pump	sets (nui	mber of hours per o	lay)		4 to 6	
Suggestio	on for improvement on more accuracy in electric			- /			
Source: D	ata from Department of Agriculture, GOK						
14	Availability of farm machinery for timely	sowing. h	arvesting and	Easily avail	able	Shortage	
	other operations $()$, 3)		√ √			
	Reason for the shortage		2	Suggestions to ove	rcome the s	shortage	
ource: Do	ata from Department of Agriculture, GOK						
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ($$)	manure,	A	dequate		Shortage	
ource: Do	ata from Department of Agriculture, GOK		1	·			
16	Remarks and observations						

Agro-Economic Research Centre, Madras University, Tamil Nadu

Name of AERC: Chennai	State: Tamil Nadu	Quarter Covered: Oct - Dec 2018

Indicators	Current status								
Average Deinfell (mm-)		Actual		Normal					
Average Rainfall (mm)		335.1		437.0					
mmissionarate of Agriculture, Chennai 5, Tamil N	adu								
No. of districts received deficit rainfall	No. of	districts with deficit ra	ainfall	Total	numb	er of d	listricts		
in the state		16				32			
nin -100%		nfall: +19% to -19%; Deficie	nt Rainfall	: -20% to -59%	6; Scar	nty Rain	fall: -60% to		
Area covered under major crops	Sl. No.	Crop Name		Actual area (Lakh ha)			rgeted area (Lakh ha)		
	1	Paddy		8.203			12.780		
		Coarse Cereals		4.357			4.015		
	3	Pulses		3.988			6.900		
	4	Cotton		0.507			0.600		
	5	Oil seeds		0.753		2.328			
major crops considering Gross cropped area; S	ource: C	ommissionarate of Agricult	ture, Cheni	nai 5, Tamil N	ladu				
Incidence of major pests and diseases in principal crops sown $()$	Sl. No.	Crop Name	Sever	e Modera	√		Not at all		
	1	Paddy							
	2	Millets		√					
	3	Cotton				√			
	4	Oil Seeds - Groundnut	:			$\sqrt{}$			
	5	Sugarcane				√			
mmissionarate of Agriculture, Chennai 5, Tamil N	adu								
Farm output price of major crops	Sl.	Cara Nama	Pric	e (Rs. per q	uinta	l)	Average		
	No.	Crop Name	Oct	Nov	0	ec ec	Price		
	1	Paddy	1671.91	1567.75	154	18.62	1500-2100		
	2	Millets	1287	1329	14	407	1000-1800		
	3	Cotton	4695	4374	4	196	4500-6000		
	4	Oil Seeds - Groundnut	4225	4643	34	424	4500		
	5	Sugarcane	2750	2750	2	750	2750		
ider major Producing market; Source : Commiss	ionarate	of Agriculture, Chennai 5,	Tamil Nac	lu					
Seed availability in the local market for major crops $()$	Sl. No.	Crop Name		Adequate			Shortage		
	1	Paddy		\checkmark					
	2	Millets		√					
	3	Cotton		$\sqrt{}$					
	4	Oil Canda Canadant		V					
	4	Oil Seeds - Groundnut		,					
	No. of districts received deficit rainfall in the state ss Rainfall: +20% or more than Actual Rainfall; No in -100% mmissionarate of Agriculture, Chennai 5, Tamil No Area covered under major crops Incidence of major pests and diseases in principal crops sown (√) Farm output price of major crops Seed availability in the local market for	mmissionarate of Agriculture, Chennai 5, Tamil Nadu No. of districts received deficit rainfall in the state ss Rainfall: +20% or more than Actual Rainfall; Normal Rainin -100% mmissionarate of Agriculture, Chennai 5, Tamil Nadu Area covered under major crops Sl. No. 1 2 3 4 5 major crops considering Gross cropped area; Source: Comprisionarate of Agriculture, Chennai 5, Tamil Nadu Incidence of major pests and diseases in principal crops sown (√) Incidence of Agriculture, Chennai 5, Tamil Nadu Farm output price of major crops Sl. No. 1 2 3 4 5 mmissionarate of Agriculture, Chennai 5, Tamil Nadu Farm output price of major crops Sl. No. 1 2 3 4 5 Seed availability in the local market for major crops (√) Seed availability in the local market for major crops (√) Seed availability in the local market for major crops (√)	Average Rainfall (mm) Mo. of districts received deficit rainfall in the state 16	Average Rainfall (mm) mmissionarate of Agriculture, Chennal 5, Tamil Nadu No. of districts received deficit rainfall in the state	Average Rainfall (mm) mmissionarate of Agriculture, Chennal 5, Tamil Nadu No. of districts received deficit rainfall in the state standard to Agriculture, Chennal 5, Tamil Nadu Area covered under major crops SI. No. Crop Name (Lakh ha) 1 Paddy 2 Coarse Cereals 3 Jeulses 3 Jeulses 3 Jeulses 3 Jeulses 3 Jeulses 5 Nource: Commissionarate of Agriculture, Chennal 5, Tamil Nadu Incidence of major pests and diseases in principal crops sown (\forall) Incidence of major pests and diseases in principal crops sown (\forall) Farm output price of major crops SI. Crop Name Severe Modera 1 Paddy 2 Millets No. Crop Name Severe Modera 1 Paddy 2 Millets 1 Paddy 3 Cotton 4 Oil Seeds - Groundnut 5 Sugarcane mmissionarate of Agriculture, Chennal 5, Tamil Nadu Farm output price of major crops SI. Crop Name Moleca Groundnut 5 Sugarcane mmissionarate of Agriculture, Chennal 5, Tamil Nadu Farm output price of major crops SI. Crop Name Moleca Groundnut 5 Sugarcane mmissionarate of Agriculture, Chennal 5, Tamil Nadu Farm output price of major crops SI. Crop Name Moli Seeds - Groundnut 5 Sugarcane mmissionarate of Agriculture, Chennal 5, Tamil Nadu Farm output price of major crops SI. Crop Name Moli Seeds - Groundnut 1 Paddy 1 Paddy 1 1 Paddy 1 1 Paddy 1 1 Paddy 2 Millets 1 1287 1 1329 3 Cotton 4 Oil Seeds - Groundnut 4 225 4 643 5 Sugarcane 2 750 2 750 2 Sugarcane 2 750 2 750 2 Sugarcane 2 750 2 750 2 Millets No. Crop Name Adequa 1 Paddy 2 Millets	Average Rainfall (mm) Maintissionarate of Agriculture, Chennai 5, Tamil Nadu	Average Rainfall (mm) 335.1 437.0		

7	Prevailing market price of seed	Sl.	Crop Name)					
	(certified) of major crops	No.		L	Local variety		Hybrid variety		
		1	Groundnut	iroundnut		Rs. 55		NA	
		2	Paddy		Rs. 40			NA	
			Cotton	Rs. 60	00 Per 450	Grams	Rs. 74	0 per 450 Grams	
		4	Pulses		Rs. 85			NA	
Remarks:	Farmers prefers Hybrid Variety than the Local Va	riety; So L	rce: Commis	ionarate of	Agriculture,	Chennai	5, Tamil N	ladu	
8	Chemical Fertilizer (NPK) availability in the local market (/)	Sl. No.	Fertilizers		A	Adequat	e	Shortage	
	the tocat market (7)	1	Urea			√			
		2	DAP			√			
		3	SSP			√			
		4	Others			√			
Reasor	n for shortage of chemical fertilizer in the loca	l market		Sug	gestions to	overcom	e the shor	tage	
Source: Co	ommissionarate of Agriculture, Chennai 5, Tamil N	ladu							
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Pric	ce (Rs. pe	er kg)	
,		1	Urea (Nee	m Coated)			6	יכיי יים	
		2	DAP	n coutcu)	26 - 29				
		3	SSP				8.50		
		4	Others		11.0	00 (MOF	P) & 23.00 (Complex)		
Source: Co	nmmissionarate of Agriculture, Chennai 5, Tamil N	ladu					,	(- 1 /	
10	Availability of agricultural labour (/)			Easily a	/ailable			Shortage	
								V	
	Reason for shortage of agricultural labour			Sug	gestions to d	overcome	e the shor	tage	
Scheme in	massive shift of labour from agricultural sector to the state, backed by the higher wage and lesser v MGNREGA Scheme.	o MGNREG workload	A Agricultu	ral Mechaniz	zation is need	ded			
Source : Co	ommissionarate of Agriculture, Chennai 5, Tamil N	ladu							
11	Prevailing wage rate for casual labour in		M	ale			Fei	male	
	agriculture (Rs./day)		280 t	o 350			120	to 150	
Source: Co	ommissionarate of Agriculture, Chennai 5, Tamil N	ladu			l				
12	Availability of institutional credit for		Target (Rs.	in Crore)		Achi	evement	(Rs. in Crore)	
	agriculture in the State (Up to Mar 2018)		6116	.71			6153	9.84	
	Reason for less achievement against the targe	rt		Sug	gestions to d	overcome	e the shor	tage	
	NA					NA			
Source : Co	ommissionarate of Agriculture (SLBC - State Level	Bank Com	mittee), Cher	nai 5, Tamil	Nadu				
13	Electricity availability for irrigation pump	sets (nui	mber of hou	rs per day)			Adequat	e/Full Day	
Suggestion	for improvement on more accuracy in electricity	: To impro	ve technical ii	rigation syst	em like Drip	Irrigation	and Sprink	kler Irrigation.	
Source : Co	ommissionarate of Agriculture, (TANGEDCO), Chen	nai 5, Tan	nil Nadu						
14	Availability of farm machinery for timely so ther operations $(\sqrt{\ })$	sowing, h	arvesting a	nd	Easily ava	ailable		Shortage	
Source: Co	ommissionarate of Agriculture, (Agriculture Engine	eering Dep	artment), Ch	ennai 5, Tan	nil Nadu				
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (√)	manure,			quate √			Shortage	
Source: Co	nmmissionarate of Agriculture, (Agriculture Engine	eering Dep	artment), Ch		·				
16	Remarks and observations	During to	he average ra	nfall 16 dist	ricts receive	d deficit	rainfall th	is is a major problei	

Agro-Economic Research Centre, JNKVV, Jabalpur, MP

Name of AERC: Jabalpur	State: Chhattisgarh	Quarter Covered: Oct - Dec 2018
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Source: Departe 2 Nu ra Note: Excess Re -99%; No Rain - 3 Ar Note: Top 5 mc 4 In	Average Rainfall (mm) Author of Agriculture Cooperation & Farmers V Aumber of districts received deficit ainfall in the State Rainfall: +20% or more than Actual Rainfall; No -100% Area covered under major crops anajor crops considering Gross Cropped Area; So	No of Sl. No. 1 2 3 4 5	distr	o tots with deficit root of the second of th	ent Rainfall:		Tar		
2 Nura Note: Excess Re-99%; No Rain - 3 Ar Note: Top 5 mo	Aumber of districts received deficit ainfall in the State Rainfall: +20% or more than Actual Rainfall; No -100% Area covered under major crops anajor crops considering Gross Cropped Area; Sc	No of Sl. No. 1 2 3 4 5	Crop Gra Lath Whe	icts with deficit ro 0 +19% to -19%; Deficie p Name m hyrus eat	ent Rainfall:	-20% to -59%; \$ ctual area Lakh ha)	mber of d 27 icanty Rain	fall: -60% to	
2 Nura Note: Excess Re-99%; No Rain - 3 Ar Note: Top 5 mo	Aumber of districts received deficit ainfall in the State Rainfall: +20% or more than Actual Rainfall; No -100% Area covered under major crops anajor crops considering Gross Cropped Area; Sc	No of Sl. No. 1 2 3 4 5	Crop Gra Lath Whe	o tots with deficit root of the second of th	ent Rainfall:	-20% to -59%; \$ ctual area Lakh ha)	27 Scanty Rainj Tar	fall: -60% to	
Note: Excess Ro-99%; No Rain - 3 Ar Note: Top 5 mo	ainfall in the State Rainfall: +20% or more than Actual Rainfall; No100% Area covered under major crops anajor crops considering Gross Cropped Area; So	Sl. No. 1 2 3 4	Crop Gra Lath Whe	0 +19% to -19%; Deficie p Name m hyrus eat	ent Rainfall:	-20% to -59%; \$ ctual area Lakh ha)	27 Scanty Rainj Tar	fall: -60% to	
Note: Excess Re-99%; No Rain - 3 Ar Note: Top 5 ma	Rainfall: +20% or more than Actual Rainfall; No -100% Area covered under major crops	Sl. No. 1 2 3 4 5	Crop Gra Lath Whe	+19% to -19%; Deficiently p Name m hyrus eat	A	ctual area Lakh ha)	Scanty Rain	geted area	
-99%; No Rain - 3 Ar Note: Top 5 ma 4 In	-100% Area covered under major crops The property of the control	Sl. No. 1 2 3 4 5	Crop Gra Lath Whe	p Name m hyrus	A	ctual area Lakh ha)	Tar	geted area	
Note: Top 5 ma	najor crops considering Gross Cropped Area; Sc	No. 1 2 3 4 5	Grai Lath Whe	m hyrus eat		Lakh ha)		•	
4 In		2 3 4 5	Lath Whe	nyrus eat		3.51			
4 In		3 4 5	Whe	eat				4.26	
4 In		4 5	Mus		_	2.51		3.23	
4 In		5				1.35		1.90	
4 In			Maiz	tard		1.33		1.76	
4 In		ource: D		ze		0.44		0.97	
	ncidence of major pests and diseases in		epartr	ment of Agriculture	Cooperation	& Farmers We	lfare. Chhai	tisgarh	
		Sl.No.	Cr	op Name	Severe	Moderate	Low	Not at al	
	najor crops (√)	1	_	ram			√		
		2	_	athyrus				√	
		3	_	heat				√	
		4	_	ustard				√	
		5	Ma	aize				√	
Source: Depart	rtment of Agriculture Cooperation & Farmers V	Velfare.	Chhat	tisgarh					
5 Fa	arm output price of major crops	CI			Pric	e (Rs. per qu	intal)		
3 10		Sl. No.		p Name	Oct	Nov	Dec	Average Price	
		1	Gra	m				4200	
		2	Lath	hyrus				4000	
		3	Whe	eat				3000	
		4	Mus	tard				3600	
		5	Maiz	ze				1430	
Note: Consider	er major Producing market; Source: Departm	ent of A	gricult	ture Cooperation & I	armers Welf	are. Chhattisg	arh		
	eed availability in the local market for	Sl.N	0.	Crop Name		Adequat	te	Shortage	
m	najor crops $()$	1		Gram		√			
		2		Lathyrus		√			
		3		Wheat		√			
		4		Mustard		√			
		5		Maize		√			
Rec	eason for shortage of seed in the local marke	et .		Sug	gestions to	overcome the	shortage		

7	Prevailing market price of seed	61.11		F	Price (Rs	. per kg)	
	(certified) of major crops	Sl.No.	Crop Name	Local var	iety	Hybrid variety	
		1	Gram	42			
		2	Lathyrus	55			
		3	Wheat	30			
		4	Mustard	45			
		5	Maize	25		260	
Source: D	epartment of Agriculture Cooperation & Farmers	Welfare. C	hhattisgarh				
8	Chemical Fertilizer(NPK) availability in	Sl.No.	Fertilizers	Adequ	ıate	Shortage	
	the local market $()$	1	Urea	√			
		2	DAP	√			
		3	SSP	√			
		4	Others (12:32:16)	√			
Reaso	on for shortage of chemical fertilizer in the loca	l market		Suggestions to overce	ome the s	shortage	
ource: D	epartment of Agriculture Cooperation & Farmers	Welfare. C	hhattisgarh				
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers		Р	rice (Rs. per kg)	
		1	Urea			5.96	
		2	DAP			24.88	
		3	SSP			6.86	
		4	Others (12:32:16)			22.78	
ource: D	epartment of Agriculture Cooperation & Farmers	Welfare. C	hhattisgarh				
10	Availability of agricultural labour $()$		Easily available	e		Shortage	
			√				
	Reason for shortage of agricultural labour		Si	uggestions to overco	ome the	shortage	
11	Prevailing wage rate for casual labour in		Male			Female	
	agriculture (Rs./day)		325		325		
ource: D	epartment of Agriculture Cooperation & Farmers	Welfare. C	hhattisgarh				
12	Availability of institutional credit for	Ta	arget (Rs. in Crore)	Achi	evement	(Rs. in Crore)	
	agriculture in the State ;		Kharif- 3200		316	4.04	
			Rabi- 600		382	2.56	
	Reason for less achievement against the targe	?t		Suggestions to overce	ome the s	shortage	
	-			-			
ource: D	epartment of Agriculture Cooperation & Farmers	Welfare. C	hhattisgarh				
13	Electricity availability for irrigation pump	sets (nu	mber of hours per	day)		24	
Suggestion	n for improvement on more accuracy in electricity	:					
14	Availability of farm machinery for timely other operations $()$	sowing, h	narvesting and	Easily availab	ole	Shortage	
	Reason for the shortage			Suggestions to overce	ome the s	hortage	
15	Availability of organic manure, farm-yard- manure, vermi-compost, bio-fertilizer ($$)		Adeq	uate		Shortage √	
	Reason for the shortage		Suc	gestions to overcome	e the sho	· · · · · · · · · · · · · · · · · · ·	
	Non Availability		Sug	Sacations to overcome	the silo		
	-						
16	Remarks and observations						

Quarter Covered: Oct - Dec 2018

 $\sqrt{}$

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 ${\it Suggestions\ to\ overcome\ the\ shortage}$

Name of AERC: Jabalpur

major crops $(\sqrt{})$

Reason for shortage of seed in the local market

Agro-Economic Research Centre, Jabalpur, Madhya Pradesh

	Indicators			Cı	urren	t status				
1	Average Rainfall (mm)		Actual				Norr	nal		
			1.7				45.	.2		
Source: w	ww.imd.gov.in									
2	No. of districts received deficit rainfall	No. of	districts with d	eficit rain	fall	Total	number	of di	stricts	
	in the state		00				51	1		
Note: Exce -99%; No R	ess Rainfall: +20% or more than Actual Rainfall; No Iain -100%	rmal Rai	nfall: +19% to -19%	; Deficient	Rainfa	all: -20% to -59%	%; Scanty	Rainf	all: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name			Actual area (Lakh ha)			Targeted area (Lakh ha)	
		1	Wheat			41.06			65.40	
		2	Gram			30.78 7.57		36.50 8.00		
		3	Mustard							
		4	Lentil			5.14			6.00	
		5	Peas			2.27			5.00	
4	Incidence of major pests and diseases in principal crops sown (\checkmark)	Sl. No.	Crop Name	Severe		Moderate	Lov	٧	Not at a	
		1	Wheat				√			
		2	Gram			√				
		3	Mustard				$\sqrt{}$			
		4	Lentil							
		5	Peas							
5	Farm output price of major crops	Sl.	C No		Price	(Rs. per qui	ntal)		Average	
		No.	Crop Name	Oct		Nov	De	eC.	Price	
		1	Wheat	1904	1	1842	19!	53	1900	
		2	Gram	3599)	3754	379	91	3715	
		3	Mustard	3802	2	3593	35	17	3637	
		4	Lentil	3228	3	3320	339	94	3314	
		1	1 _		, T	2404	246			
		5	Peas	3099	<u> </u>	3184	312	25	3136	
	sider major producing market; ww.agmarknet.gov.in	5	Peas	3099	<u>′</u>	3184	312	25	3136	

State: Madhya Pradesh

1

2

3

4

5

Wheat

Gram

Lentil

Peas

Mustard

7	Prevailing market price of seed	Sl.	Crop Name		Price (Rs	. per kg)	
	(certified) of major crops	No.	Crop Name	Local va	riety	Hybrid variety	
		1	Wheat	33 - 37	7.50	-	
		2	Gram	63-6	5	-	
		3	Mustard	58-6	58-60		
		4	Lentil	59-6	4	-	
		5	Peas	38-4	14	220	
	www.mpkrishi.org epartment of Farmers' Welfare and Agriculture De	evelopmen	t, Madhya Pradesh				
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Adec	uate	Shortage	
	the local market (f)	1	Urea		/		
		2	DAP	1	1		
		3	SSP	1	1		
		4	Others(12:32:16)	1	J		
Reaso	on for shortage of chemical fertilizer in the loca	l market		Suggestions to over	come the s	shortage	
	-			-			
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Pr	rice (Rs. per kg)	
		1	Urea			5.5 - 6	
		2	DAP			25 - 26	
		3	SSP			5 - 6	
		4	Others(12:32:16)		23 - 24		
10	Availability of agricultural labour (/)		Easil	y available		Shortage	
				√			
	Reason for shortage of agricultural labour		2	Suggestions to over	come the s	shortage	
	-			-			
11	Prevailing wage rate for casual labour in		Male		Female		
	agriculture (Rs./day)		250-300		180-200		
12	Availability of institutional credit for agriculture in the State (As on		Target (Rs. in Cror	e) A	Achievement (Rs. in Crore)		
	20.08.2018)		1,09,264		20,644		
	Reason for less achievement against the targe	et	9	Suggestions to over	come the s	shortage	
ource: SI	- LBC. MP			-			
13	Electricity availability for irrigation pump	sots (nu	mbor of hours por o	lavi		8	
	n for improvement on more accuracy in electric	-	iliber of flours per c	idy)		0	
14	Availability of farm machinery for timely other operations $()$	sowing, h	arvesting and	Easily availa	ble	Shortage	
	Reason for the shortage		9	Suggestions to over	ome the s	hortage	
15	Availability of organic manure, farm-yard	-manure,	Ade	quate		Shortage	
	vermi-compost, bio-fertilizer ($$)					V	
	Reason for the shortage			Suggestions to over	come the s	shortage	
	Non Availability			-			
16	Remarks and observations						

NA implies Not Applicable

Agro-Economic Research Centre for Bihar & Jharkhand, TM Bhagalpur University, Bhagalpur, Bihar

Name of AERC: Bhagalpur State: Bihar Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators				Curre	ent stat	us				
1	Average Rainfall (mm)		Actual				l	Normal			
			22.0					77.5			
2	Number of districts received deficit	No of	districts with def	ficit ra	infall		Total nun	number of districts			
	rainfall in the State		32					38			
Note: Exce -99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Raii	nfall: +19% to -19%; l	Deficier	nt Rain	nfall: -20%	% to -59%; Sc	anty Rainfa	ll: -60% to		
3	3 Area covered under major crops		Sl. No. Crop Name		Actual area (lakh ha)			Targeted area (lakh ha)			
		1 Wheat			21.0	0	23	3.25			
		2	Maize		4.23			4	.25		
		3	Gram		0.95			1.15			
		4	Lentil			1.9	8	2.20			
		5	Rai/Mustard	ai/Mustard),	1.26			
Note: Top	5 major crops considering Gross Cropped Area										
4	4 Incidence of major pests and diseases in major crops (√)		Crop Name			Severe	Moderate	Low	Not at all		
		1	Wheat					√			
		2	Maize					√			
		3	Gram					√			
		4	Lentil					√			
		5	Rai/Mustard				√				
5	Farm output price of major crops	Sl.	Sl. C		Pri	ce (Rs.	per quintal	l)	Average		
		No.	Crop Name	Oct		Nov		Dec	Price		
		1	Rice (Medium)	30	00	30	00	2900	2967		
		2	Wheat	18	1800 18		00	1900	1833		
		3	Maize	10	00	10	00	1050	1017		
		4	Gram	45	00	45	00	4600	4533		
		5	Lentil	45	00	46	00	4600	4567		
Note: Cons	idering the major markets										
6	Seed availability in the local market for major crops $()$	Sl.No.			А	dequate		Short	age		
	majer ereps (1)	1	Whet			√					
		2	Maize			√					
		3	Gram			√					
		4	Lentil			√					
		5	Rai/Mustard			√					
	Reason for shortage of seed in the local marke	rt		Sugg	estio	ns to ove	rcome the s	shortage			
	NA					1	<i>IA</i>				

7	Prevailing market price of seed						Pr	rice (Rs. per kg)	
	(certified) of major crops	Sl.No	o. Cr	op Name		Loc	al varie	ty	Hybrid variety
		1	W	het			20		25
		2	Ma	aize (Hybi	rid)		15		350
		3	Gı	ram			45		55
		4	Le	entil					50
		5	Ra	ai/Mustaro	d				75
Remarks:									
8	Chemical Fertilizer (NPK) availal	oility in Sl.No	. Fe	ertilizers	А	dequate	<u>;</u>		Shortage
	the local market $()$	1	Uı	rea		$\sqrt{}$			
		2	D	AP		√			
		3	SS	SP		√			
		4	0	thers		√			
Reason	for shortage of chemical fertilizer i	in the local marke	rt		Sugges	tions to d	overcom	e the s	hortage
	-						-		
9	Prevailing market price of fertili	zer Sl.No	o. Fe	ertilizers				Price	e (Rs. per kg)
		1	U	rea					6.00
		2	D,	AP					26.00
		3		SP					9.00
		4	M	oP					13.00
10	Availability of agricultural labou	r (√)	Ea	Easily available Shorta					
	Reason for shortage of agriculture	al labour			Sugges	tions to d	overcom	e the s	•
Migration d	lue to lower wages paid to agricultura	l labour.		Check on labour.	migration by w	ay of pay	ing presc	ribed v	vage rates to agricultura
11	Prevailing wage rate for casual l	abour in		Ma	le				Female
	agriculture (Rs./day)			25	60				175
12	Availability of institutional credi	t for	Targe	et (Rs. in (Crore)	'	Achieve	ement	(Rs. in Crore)
	agriculture in the State			000 (Ann					(Approx)
	Reason for less achievement agains	t the target				tions to d			
							-		
13	Electricity availability for irrigat	ion pump sets (r	numbe	er of hour	rs per day)				14 - 15
Suggestion	for improvement on more accuracy nenced after March, 2019 in some of the	in electricity: It n	nay be			ion of sep	arate ag		
14	Availability of farm machinery for and other operations $()$	or timely sowing	, harv	esting	Easily a	vailable			Shortage
	Reason for the shortage				Sugges	tions to	overcom	o the s	√ hortage
Absence of	Farm Machinery custom hiring			Suggestions to overcome the shortage Farm Mechanization Banks should be established at least at PACCS level.					
15	Availability of organic manure, for the fortilizer (s)	arm-yard-manur	e, ver	mi-	Ade	quate			Shortage
	compost, bio-fertilizer (√)					√			
	Reason for the shortage				Sugges	tions to d		e the s	hortage
	NA						NA		
							ed droug		

Agro-Economic Research Centre for Bihar & Jharkhand, TM Bhagalpur University, Bhagalpur, Bihar

Name of AERC: Bhagalpur State: Jharkhand Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators			C	urren	t status			
1	Average Rainfall (mm)		Actual				N	ormal	
			55.8				(91.6	
2	Number of districts received deficit	No of o	districts with de	ficit rain	fall	Tota	ıl numl	er of di	istricts
	rainfall in the State		12					24	
Note: Exces	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rainj	fall: +19% to -19%; I	Deficient	Rainfa	ll: -20% to -5	9%; Sca	nty Rainf	all: -60% to
3	3 Area covered under major crops		Name of the cro	р		Actual area (Lakh ha)			eted area akh ha)
		1	Wheat			1.92			2.45
		2	Maize			0.20			0.30
		3	Gram			1.90			2.50
		4	Lentil			0.75			0.80
		5	Rai/Mustard			2.75			3.15
Note: Top !	5 major crops considering Gross cropped area						,		
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Seve	re	Moderate		Low	Not at all
		1	Wheat						√
		2	Maize					$\sqrt{}$	
		3	Gram					$\sqrt{}$	
		4	Lentil					√	
		5	Rai/Mustard					√	
5	Farm output price of major crops	Sl. c			(Rs. per qu	intal)		Average	
		No. Crop Name		Oct		Nov		ec	Price
		1	Rice (Medium)	2500	,	2600	25	500	2533
		2	Wheat	1800		1800	18	300	1800
		3	Maize	900		950	9	50	933
		4	Gram	4500)	4600	46	00	4567
		5	Lentil	5200)	5200	53	800	5233
Note: Cons	ider major Producing market								
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name	Ade	equate	e		Shorta	ge
		1	Wheat		√				
		2	Maize		√				
		3	Gram		√				
		4	Lentil		√				
		5	Rai/Mustard		V				
R	leason for shortage of seed in the local market			Suggest	ions t	o overcome	the sho	rtage	
	NA					NA			

7	Prevailing market price of seed				Price	(Rs. per kg)
	(certified) of major crops	Sl.No.	Crop Name	Local	variety	Hybrid variety
		1	Wheat	1	7	25
		2	Maize (Local)	1	0	350
		3	Gram	5	i5	
		4	Lentil	5	50	
		5	Rai/Mustard	7	70	
Remarks:						
8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fertilizers	Adequ	ate	Shortage
	the local market $()$	1	Urea	√		
		2	DAP	√		
		3	SSP	√		
		4	Others	√		
Reason	for shortage of chemical fertilizer in the local	market	Su	ggestions to ov	ercome the	e shortage
	NA				NA	
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers		Pr	rice (Rs. per kg)
		1	Urea			6.50
		2	DAP			25.00
		3	SSP			17.00
		4	МоР			15.00
10	Availability of agricultural labour $()$		Easily available		Sł	hortage
						V
	Reason for shortage of agricultural labour			iggestions to ov		
	Rural Migration		Pre	escribed wage ro	ites should	be ensured.
11	Prevailing wage rate for casual labour in		Male			Female
	agriculture (Rs/day)		250			175
12	Availability of institutional credit for	Tar	get (Rs. crore)	Ad	chievemen	nt (Rs. crore)
	agriculture in the state	8	336.6 (Annual)		378	87.6
	Reason for less achievement against the targe	t	Su	ggestions to ov	ercome the	e shortage
	-				-	
13	Electricity availability for irrigation pump	sets (nui	mber of hours per da	y)	1	12 - 14
Suggestion	for improvement on more accuracy in electricit	ty:				
14	Availability of farm machinery for timely s	sowing,	Easily a	vailable		Shortage
	harvesting and other operations $()$					√
	Reason for the shortage		Su	ggestions to ov	ercome the	e shortage
Non-availab	oility of FMBs.		FMBs should be est	tablished at LAM	1Ps/PACCS (evels.
15	Availability of organic manure, farm-yard-		Adeq	uate		Shortage
	manure, vermi-compost, bio-fertilizer $(\sqrt{\ })$		٧			
	Reason for the shortage		Su	ggestions to ov	ercome the	e shortage
	NA				NA	
16	Remarks and observations					

or crops S N	SI. No. 1 2 3	Actual 118.9 districts with defi 24 fall: +19% to -19%; E Crop Name Winter Paddy Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy Summer Paddy	Deficient		Total nu -20% to -59%; \$ area ha) 91 66 48 31	Targe (la 1	
or crops S N	Sl. No. 1 2 3 4 5 5 Sl. No. 1 2	districts with defice 24 fall: +19% to -19%; E Crop Name Winter Paddy Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy	Deficient	Actual (lakh 18. 4.1 1.4 2.8	-20% to -59%; \$\frac{1}{2}\$ area ha) 91 16 48 31 31 Moderate \sqrt{\sq}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}\signt{\sint}\signt{\sint{\sint{\sint{\sinq}}}}}\sqrt{\sint{\sintikta}\squat{\sint{\sin}}\signt{\sint{\sinti\sinq}}}}}\sint{\sint{\sint{\sint{\s	Targe (la	eted area kh ha) 9.35 5.90 2.25 3.50 0.50
or crops S N	Sl. No. 1 2 3 4 5 5 Sl. No. 1 2	districts with defi 24 fall: +19% to -19%; E Crop Name Winter Paddy Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy	Deficient	Actual (lakh 18. 4.1 1.4 2.8	-20% to -59%; \$\frac{1}{2}\$ area ha) 91 16 48 31 31 Moderate \sqrt{\sq}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}\signt{\sint}\signt{\sint{\sint{\sint{\sinq}}}}}\sqrt{\sint{\sintikta}\squat{\sint{\sin}}\signt{\sint{\sinti\sinq}}}}}\sint{\sint{\sint{\sint{\s	Targe (la	eted area kh ha) 9.35 5.90 2.25 3.50 0.50
or crops S N	Sl. No. 1 2 3 4 5 5 Sl. No. 1 2	24 fall: +19% to -19%; E Crop Name Winter Paddy Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy	Deficient	Actual (lakh 18. 4.1 1.4 2.8	-20% to -59%; \$\frac{1}{2}\$ area ha) 91 16 48 31 31 Moderate \sqrt{\sq}}}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}\signt{\sint}\signt{\sint{\sint{\sint{\sinq}}}}}\sqrt{\sint{\sintikta}\squat{\sint{\sin}}\signt{\sint{\sinti\sinq}}}}}\sint{\sint{\sint{\sint{\s	Targe (la	eted area kh ha) 9.35 5.90 2.25 3.50 0.50
or crops S N	Sl. No. 1 2 3 4 5 5 5 5 1. No. 1 2	Crop Name Winter Paddy Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy		Actual (lakh 18. 4.1 1.4 2.8	area ha) 91	Targe (la	eted area kh ha) 9.35 5.90 2.25 3.50
or crops S N	Sl. No. 1 2 3 4 5 5 5 5 1. No. 1 2	Crop Name Winter Paddy Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy		Actual (lakh 18. 4.1 1.4 2.8	area ha) 91	Targe (la	eted area kh ha) 9.35 5.90 2.25 3.50
ss Cropped Area	No. 1 2 3 4 5 5 5 5 1. No. 1 2	Winter Paddy Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy		(lakh 18. 4.1 1.4 2.8 0.3	91 16 48 31 31 Moderate	(la	kh ha) 9.35 5.90 2.25 3.50 0.50
ss Cropped Area	2 3 4 5 5 6l. No.	Summer Paddy Pulses Mustard Sugarcane Crop Name Winter Paddy		4.1 1.4 2.8 0.3	16 18 31 31 Moderate	:	5.90 2.25 3.50 0.50
ss Cropped Area	3 4 5	Pulses Mustard Sugarcane Crop Name Winter Paddy		1.4 2.8 0.3	48 31 31 Moderate √	:	2,25 3,50 0,50
ss Cropped Area	4 5 5 Sl. No. 1 2	Mustard Sugarcane Crop Name Winter Paddy		2.8 0.3	Moderate		3.50
ss Cropped Area	5 Sl. No. 1 2	Crop Name Winter Paddy		0.3	Moderate	(0.50
ss Cropped Area	5l. No. 1 2	Crop Name Winter Paddy			Moderate $\sqrt{}$		
	1 2	Winter Paddy		Severe	√	Low	Not at all
and diseases in Sl	1 2	Winter Paddy		Severe	√	Low	Not at all
	2						
		Summer Paddy	.		1 1		
	3	-			V		
		Pulses			√		
	4	Mustard			√		
	5	Sugarcane			√		
-	Sl. No.	Crop Name			s. per quinta	al) Dec	Average Price
		Winter Paddy	Oct 1450.00				1430.00
		Summer paddy	1375.			1420.00 1350.00	1358.33
<u> </u>		Pulses	3725.			3700.00	3708.33
							3306.67
	- +						240.00
markets dealing with t		-					
ocal market for SI	SI No	Cron Name			Adequate		Shortage
		-			<i>√</i>		J tage
					√		
	3	Pulses			√		
	4	Mustard			√		
	5	Sugarcane			√		
of seed	SI No.			1	Price (R	Rs. per kg)	
;	ot.NO.	Crop Name		Loca	l variety	Hybr	id variety
	1	Winter Paddy		38.0	0-50.00	70.0	0-120.00
	2	Summer paddy		50.0	0-65.00	80.0	0-125.00
	3	Pulses		50.0	0-60.00	70.0	00-85.00
		Mustard		50.0	0-70.00	70.0	0-110.00
	4	Mustard	1		0-34 00		
)	cal market for	rankets dealing with the cross cal market for Sl. No. 1 2 3 4 5 f seed Sl.No. 1 2 3 3 4 5	5 Sugarcane markets dealing with the crops under reference cal market for Sl. No. Crop Name 1 Winter Paddy 2 Summer paddy 3 Pulses 4 Mustard 5 Sugarcane f seed Sl.No. Crop Name 1 Winter Paddy 2 Summer paddy 3 Pulses	5 Sugarcane 240.0 markets dealing with the crops under reference cal market for Sl. No. Crop Name 1 Winter Paddy 2 Summer paddy 3 Pulses 4 Mustard 5 Sugarcane f seed Sl.No. Crop Name 1 Winter Paddy 2 Summer paddy 3 Pulses 4 Mustard 4 Winter Paddy 2 Summer paddy 4 Mustard 5 Mustard 6 Sugarcane	5 Sugarcane 240.00 2	5 Sugarcane 240.00 240.00 markets dealing with the crops under reference Cal market for Sl. No. Crop Name Adequate 1 Winter Paddy √ 2 Summer paddy √ 3 Pulses √ 4 Mustard √ 5 Sugarcane F seed Sl.No. Crop Name Price (F Local variety 1 Winter Paddy 38.00-50.00 2 Summer paddy 50.00-65.00 3 Pulses 50.00-60.00	5 Sugarcane 240.00 240.00 240.00 markets dealing with the crops under reference

0	Character Footility (AIDIA) and tability to	CL M-	E. arthur	A .1.	1-	Charatana
8	Chemical Fertilizer (NPK) availability in the local market $()$	Sl.No.	Fertilizers	Ade	equate	Shortage
	the total marries (1)	1	Urea		V	
		2	DAP		√	
		3	SSP		√	
		4	Others		√	
Reaso	n for shortage of chemical fertilizer in the loca	l market	Sugges	stions to ov	vercome the	shortage
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Pri	ce (Rs. per kg)
		1	Urea			9.00
		2	DAP			28.00
		3	SSP			10.00
		4	Others			7.00-13.00
10	Availability of agricultural labour $()$		Easily available		SI	nortage
						\checkmark
	Reason for shortage of agricultural labour		Sugges	stions to ov	vercome the	shortage
_	of labour from agriculture sector to other economivelihood.	nic activitie	Increase in the wage ro	ates for agri	icultural worl	kers.
11	Prevailing wage rate for casual labour in		Male			Female
	agriculture (Rs./day)		300.00			180.00
12	Availability of institutional credit for	Ta	rget (Rs. in Crore)	,	Achievemen	t (Rs. in Crore)
	agriculture in the State		13867.71		24	88.24
	Reason for less achievement against the target	t	Suggest	tions to ove	ercome the s	hortage
	institutions are not willing to disburse credit of and mishandling of the loan	lue to less	Arrange awareness camp of agricultural credit sys		farmers abo	ut guidelines and benefit
13	Electricity availability for irrigation pump sets (number of hours per day)			NA		
Suggestio	n for improvement on more accuracy in electric	city:				
14	Availability of farm machinery for timely	sowing,	Easily available			Shortage
	harvesting and other operations $()$	3,	,			√
	Reason for shortage		Sugges	stions to ov	vercome the	shortage
	of majority of farms, lack of facilities of repair a rsonnel etc are the main reasons of shortage of far		of Establishment of farm	machinery (s & Service) at block leve
15	Availability of organic manure, farm-yard-	-manure.	Adequate			Shortage
.5	vermi-compost, bio-fertilizer ($$)	,	Adequate			√
	Reason for shortage		Sugges	stions to ov	vercome the	shortage
	and investors faced inadequate, inconsistent of demand resulting in low production	and season				
16	Remarks and observations					
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Name of AERC: Jorhat State: Arunachal Pradesh Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators			C	urrer	nt status					
1	Average Rainfall (mm)		Actual				Norma				
			102.2			161.8					
2	Number of districts received deficit	No of	districts with de	eficit rair	ıfall	Total number of districts					
	rainfall in the State		13			16					
Note : Exce ·99%; No R	ess Rainfall: +20% or more than Actual Rainfall; No lain -100%	ormal Ra	infall: +19% to -19%;	Deficient	Rainfo	all: -20% to -59	%; Scanty Ro	infall: -60% to			
3	Area covered under major crops	Sl. No.	Crop Name		A	Actual area (lakh ha)	Ta	rgeted area (lakh ha)			
		1	Paddy			1.30		1.50			
		2	Oilseeds	eds		0.34		0.40			
		3	Pulses			0.10		0.50			
		4	Maize			0.47		0.53			
		5	Sugarcane			0.02		0.03			
	Note: Top 5 major crops considering Gross Crop	ped Are	a								
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Seve	ere	Moderate	Low	Not at al			
		1	Paddy			√					
		2	Oilseeds			√					
		3	Pulses			√					
		4	Maize			√					
		5	Sugarcane			√					
5	Farm output price of major crops	Sl.		e Price		(Rs. per qui	ntal)	Average			
		No.	Crop Name			Nov	Dec	Price			
		1	Paddy	1450.0	00	1430.00	1430.00	1436.67			
		2	Oilseeds	3500.0	00	3500.00	3500.00	3500.00			
		3	Pulses	3660.0	00	3650.00	3650.00	3653.33			
		4	Maize	1300.0	00	1300.00	1300.00	1300.00			
		5	Sugarcane	243.0	0	240.00	240.00	241.00			
Note: Cons	sidering the major markets dealing with the crops	under r	eference								
6	Seed availability in the local market for	Sl. No	. Crop Name			Adequa	te	Shortage			
	major crops $()$	1	Paddy			$\sqrt{}$					
		2	Oilseeds			√					
		3	Pulses			√					
		4	Maize			V					
		5	Sugarcane			$\sqrt{}$					
	Reason for shortage of seed in the local marke	et		Sugge	stions	to overcome	the shortag	e			

Dam arks		5	Sugarcane		25.00-34.00			
Remarks:			Jugai carre					
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilize	rs	Adequate	Shortage		
	the local market $()$	1	Urea		√			
		2	DAP		$\sqrt{}$			
		3	SSP		\checkmark			
		4	Others		\checkmark			
Reaso	n for shortage of chemical fertilizer in the loca	l market		Suggest	ions to overco	me the shortage		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Price (Rs. per kg)		
		1	Urea			8.50		
		2	DAP			24.50		
		3	SSP			8.00		
		4	Others			6.00-15.00		
10	Availability of agricultural labour $()$		Easily availa	ble		Shortage		
						V		
	Reason for shortage of agricultural labour			Suggest	ions to overco	me the shortage		
	of labour from rural to urban and metro cities elihood is a pertinent issue.	of India j		al labourers neir families	must get reas	onable wages so that they can		
11	Prevailing wage rate for casual labour in		Male			Female		
	agriculture (Rs./day)		280.00			190.00		
12	Availability of institutional credit for	Ta	arget (Rs. in (rget (Rs. in Crore) Achievement (Rs. in Cror				
	agriculture in the State		NA			NA		
	Reason for less achievement against the targe	t		Suggest	ions to overco	me the shortage		
	-				-			
13	Electricity availability for irrigation pump	sets (nui	mber of hours	per day)		NA		
Suggestio	n for improvement on more accuracy in electric	ity:						
14	Availability of farm machinery for timely and other operations $()$	sowing, h	narvesting	Easily	available	Shortage		
				C		√ 		
Lack of pu	Reason for the shortage	rmore	Court can			me the shortage		
сиск ој ри	rchasing power of small and marginal groups of fa	irmers.		rs at subsidize		nes to supply of farm machinery to		
15	Availability of organic manure, farm-yard-	manure,		Adequate		Shortage		
	vermi-compost, bio-fertilizer (√)					V		
	Reason for the shortage					me the shortage		
Low produ	uction of organic manure, farm-yard manure, veri	ni- compo	st, Govt. can	adopt new p	olicy measure	to ensure availability of organic		

Sl.No.	Indicators			(Curre	nt status			
1	Average Rainfall (mm)		Actual				Noi	rmal	
			142.05	i		192.01			
2	Number of districts received deficit	No of	f districts with	deficit rai	nfall	ll Total number of districts			
	rainfall in the State		5					7	
Note: Exce 99%; No R	rss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Ra	infall: +19% to -19.	%; Deficien	t Rainf	fall: -20% to -59	%; Scan	ty Rainf	all: -60% to
3	Area covered under major crops		Sl. No. Crop Name			Actual area (lakh ha)			geted area lakh ha)
		1	Paddy			1.09			1.53
		2	Maize			0.18			0.30
		3	Jute			0.06			0.10
		4	Oilseeds			0.14			0.29
		5	5 Pulses			0.08			0.14
lote: Top	5 major crops considering Gross Cropped Area								
4	Incidence of major pests and diseases in major crops $()$	ts and diseases in Sl. No. Crop Name Severe		e	Moderate		_ow	Not at a	
		1	Paddy			$\sqrt{}$			
	2	Maize			\checkmark				
		3	Jute			√			
		4	Oilseeds			\checkmark			
		5	Pulses			\checkmark			
5	Farm output price of major crops	Sl.			Price	(Rs. per qui	ntal)		Average
		No.	Crop Name	Oct		Nov		ec	Price
		1	Paddy	1420.	00	1400.00	1400	0.00	1406.67
		2	Maize	1300.	00	1300.00	1300	0.00	1300.00
		3	Jute	2700.	00	2700.00	2700	0.00	2700.00
		4	Oilseeds	3500.	00	3500.00	3515	5.00	3505.00
		5	Pulses	3650.	00	3600.00	3600	0.00	3616.67
lote: Cons	sidering the major markets dealing with the crops	under r	eference						
6	Seed availability in the local market for major crops $(\ensuremath{\checkmark})$	Sl. No.	l (ron Name			Adequate	9	S	hortage
		1	Paddy			$\sqrt{}$			
		2	Maize			$\sqrt{}$			
		3	Jute			$\sqrt{}$			
		4	Oilseeds			√			
		5	Pulses			$\sqrt{}$			
	Reason for shortage of seed in the local marke	t		Sugge	stions	to overcome	the sho	rtage	

7	Prevailing market price of seed				Price (Rs. per kg)			
	(certified) of major crops	Sl. No.	Crop Name	Local	•	Hybrid variety		
		1	Paddy	36.00	-50.00	80.00-125.00		
		2	Maize	26.00	-40.00	38.00-58.00		
		3	Jute	52.00	-76.00	70.00-90.00		
		4	Oilseeds	64,00	-75.00	80.00-125.00		
		5	Pulses	52,00	-70.00	70.00-110.00		
Remarks:								
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Ade	quate	Shortage		
	the local market $()$	1	Urea		√			
		2	DAP		√			
		3	SSP		√			
		4	Others		√			
Reason	for shortage of chemical fertilizer in the loca	l market		Suggestions to	o overcome tl	ne shortage		
	yer enertage by enermous yer energy in one tool			22332211011011011011011011011011011011011011				
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		P	rice (Rs. per kg)		
		1	Urea			8.00		
		2	DAP			24.00		
		3	SSP			8.00		
		4			6.50-12.00			
10	Availability of agricultural labour (/)		Facility associate	la l		Chautana		
10	Availability of agricultural labour $()$	Easily available				Shortage √		
	Reason for shortage of agricultural labour			Currentiens to				
In hilly stat		arad to a	Machanization	Suggestions to				
-	e demand of manual labour is very high as comp in all agricultural operations	urea to a	labour	r oj some setecte	a activities co	n mitigate the shortage of		
11	Prevailing wage rate for casual labour in		Male		Female			
	agriculture (Rs./day)		300		220			
12	Availability of institutional credit for		Target (Rs. in C	rore)	Achieve	ement (Rs. in Crore)		
	agriculture in the State (Annual)		2247.34			202.01		
Red	ason for less achievement against the ta	rget		Suggestions to	overcome t	the shortage		
The lending	g procedure of financial institution is not farmers	friendly	Administrative loan should be		d by the farm	ers at the time of acquiring		
13	Electricity availability for irrigation pump	sets (nur	nber of hours pe	r day)		NA		
Suggestion	for improvement on more accuracy in electric	ity:	·					
14	Availability of farm machinery for timely so other operations ($$)	sowing, h	arvesting and	Easily av	ailable	Shortage √		
	Reason for shortage			Suggestions to	o overcome tl			
Farmers are	e not willing to purchase the high priced farm mo	achinery.				e implements and		
15	Availability of organic manure, farm-yard- vermi-compost, bio-fertilizer (√)	manure,	Δ	dequate		Shortage		
	Reason for the shortage			Suggestions to	overcome 4	√ ne shortage		
Farmers' la	ck of interest and awareness in using of vermin-c	ompost, bi	I	courage the farm	ners and take	e up some programmes for		
fortilizor of	tc.		production of	organic manure	and bio-fertili	zers.		
fertilizer et			production of	or game manare		20.01		

Name of AERC: Jorhat State: Mizoram Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators			Curre	ent status			
1	Average Rainfall (mm)		Actual			Normal		
			136.98		192.06			
2	Number of districts received deficit	No o	f districts with d	eficit rainfall	Total number of districts			
	rainfall in the State		6			8		
Note: Exces	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Ra	infall: +19% to -19%	; Deficient Rain	fall: -20% to -59	%; Scanty Rain;	fall: -60% to	
3	3 Area covered under major crops		Sl. No. Crop Name		tual area akh ha)		ted area kh ha)	
		1	Paddy		0.40	(0.62	
		2	Oilseeds		0.03	C	0.07	
		3	Maize		0.07	(0.12	
		4	Pulses		0.04		0.10	
		5	Sugarcane		0.01	(0.03	
Note: Top 5	Incidence of major pests and diseases in	Sl.		_				
	major crops $()$	No.	Crop Name	Severe	Moderate	Low	Not at all	
		1	Paddy		√			
		2	Oilseeds		√			
		3	Maize		√			
		4	Pulses		√			
		5	Sugarcane		√			
5	Farm output price of major crops	Sl.		Pric	e (Rs. per qui	ntal)	Average	
		No.	Crop Name	Oct	Nov	Dec	Price	
		1	Paddy	1420.00	1410.00	1410.00	1413.33	
		2	Oilseeds	3480.00	3500.00	3500.00	3495.00	
		3	Maize	1290.00	1300.00	1300.00	1296.67	
		4	Pulses	3700.00	3710.00	3720.00	3710.00	
		5	Sugarcane	250.00	250.00	250.00	250.00	
Note: Cons	idering the major markets dealing with the crops	under r	eference					
6	Seed availability in the local market for major crops $()$		Crop Name		Adequate	e S	ihortage	
		1	Paddy		√			
		2	Oilseeds		√			
		3	Maize		√			
		4	Pulses		$\sqrt{}$			
		5			√			

7	Prevailing market price of seed	Sl.				Price (Rs.	per kg)	
	(certified) of major crops	No.	Cro	p Name	Local	variety	Hybrid variety	
		1	Pa	ddy	35.00	0-45.00	52.00-130.00	
		2	Oils	seeds	57.00	0-70.00	75.00-120.00	
		3	Mai	ize	26.00	0-40.00	50.00-65.00	
		4	Pul	ses	62.0	0-77,00	70.00-100.00	
		5	Sug	garcane	24.0	0-33,00	-	
Remarks:								
8	Chemical Fertilizer (NPK) availability in the local market $()$	Sl. No.	Fer	tilizers	Adeo	quate	Shortage	
	the total market (V)	1	Ure	ea		V		
		2	DAI	P	-	V		
		3	SSP	SSP		V		
		4	Oth	iers		V		
Reason	n for shortage of chemical fertilizer in the loca	l market Suggestions t		ggestions to	overcome the	shortage		
9	Prevailing market price of fertilizer	Sl. No.	Fer	tilizers		Price (Rs. per kg)		
		1	1 Urea			9.00		
		2 DAP 3 SSP			28.00			
						8.50		
		4	Oth	ners			6.00-11.00	
10	Availability of agricultural labour $()$		Easi	ily available		Sho	ortage	
						V		
	Reason for shortage of agricultural labour	1		Su	ggestions to	overcome the	shortage	
_	e is mostly a seasonal venture for which the agricule for the conomic activities.	ıltural		Govt. can adopt in system and also ra			of multiple cropping	
11	Prevailing wage rate for casual labour in			Male			Female	
	agriculture (Rs./day)			280.00			190.00	
12	Availability of institutional credit for agriculture in the State		Targ	get (Rs. in Crore)		Achievem	ent (Rs. in Crore)	
	agriculture in the State			NA			NA	
	Reason for less achievement against the targe	t		Su	ggestions to	overcome the	shortage	
13	Electricity availability for irrigation pump	sets (nui	mber	r of hours per da	y)	1	NA	
	n for improvement on more accuracy in electric							
14	Availability of farm machinery for timely sharvesting and other operations $()$	sowing,		Easily ava	ilable		Shortage	
	That results and other operations (V)						\checkmark	
Red	ason for shortage of agricultural labour	Suggestions to overcome the shortage						
	marginal groups of farmers cannot afford to Il the modern costly machinery.	Govt. sh	ould	Supply farm machi	inery to the f	armers at subsi	dized rate.	

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer $()$		Adequate	Shortage			
				V			
Reason for the shortage		Suggestions to overcome the shortage					
	Present policy initiatives are not sufficient enough to meet the demand and hence shortage persists		To adopt new policy measures to ensure availability of organic manu and bio-fertilizer through promoting the private enterpreneurship				
16	Remarks and observations						

Name of	AERC: Jorhat St	ate: Ma	te: Manipur			Quarter Covered: Oct - Dec 2018				
SI.No.	Indicators			C	urre	ent status				
1	Average Rainfall (mm)		Actual				No	rmal		
			181.6				25	6.01		
2	Number of districts received deficit	No of districts with deficit rainfall			Total	numbe	er of di	stricts		
2	rainfall in the State	140 0	4			Totat		9	3011003	
Note: Exces	 ss Rainfall: +20% or more than Actual Rainfall; N iin -100%	lormal Ra	-	; Deficient	Rainf	all: -20% to -59		-	all: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name			Actual area (lakh ha)			geted area lakh ha)	
		1	Paddy			2.40			2.50	
		2	Oilseeds			0.37			0.50	
			Maize			0.26			0.32	
		4	Pulses			0.30		0.41		
		5	Sugarcane			0.05			0.06	
Note: Top 5	5 major crops considering Gross Cropped Area	'								
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Severe		Moderate		Low Not		
		1	Paddy			√				
		2	Oilseeds			V				
		3	Maize			V				
		4	Pulses			V				
		5	Sugarcane			V				
5	Farm output price of major crops	Sl.		Pric		ice (Rs. per quintal)			Avorago	
3	ram suspas price of major crops	No.	Crop Name	Oct				Average Price		
		1	Paddy	1420.0		1420,00		5.00	1415.00	
		2	Oilseeds	3500.0		3500.00		0.00	3500.00	
		3	Maize	1280.0		1290,00		0.00	1286,67	
		4	Pulses	3600.0		3600.00		0.00	3600.00	
		5	Sugarcane	250.0		245,00		0.00	248.33	
Note: Cons	 idering the major markets dealing with the crop				-					
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name			Adequate		S	hortage	
		1 Paddy 2 Oilseeds				√				
						√ √				
		3	Maize			√				
		4	Pulses			√				
		5	Sugarcane			√				
		et				to overcome				

7	Prevailing market price of seed	Sl.			F	Price (Rs	. per kg)	
	(certified) of major crops	No.	Crop Name	L	ocal var		Hybrid variety	
		1	Paddy	3	34.00-47	7.00	85.00-140.00	
		2	Oilseeds	5	55.00-70	0.00	75.00-125.00	
		3	Maize	2	6.00-40	0.00	44.00-55.00	
		4	Pulses	6	0.00-75	5.00	80.00-105.00	
		5	Sugarcane	2	20.00-28	3.00	_	
Remarks:								
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequate		Shortage	
	the local market $()$	1	Urea		√			
		2	2 DAP					
		3	SSP	SSP				
		4	Others		√			
Reaso	on for shortage of chemical fertilizer in the local	market		Suggestions	to overco	ome the sl	hortage	
9	Prevailing market price of fertilizer	Sl. No.	. Fertilizers		Price (Rs. per kg		rice (Rs. per kg)	
		1	1 Urea		8.00		8.00	
		2	DAP				23.00	
		3	SSP				8.00	
		4	Others				7.00-13.00	
10	Availability of agricultural labour $()$		Easily availab	le		S	hortage	
						$\sqrt{}$		
	Reason for shortage of agricultural labour			Suggestions to overcome the shortage			hortage	
At present	agricultural workers prefer to work in other ecor	nomic sect	or It is required some selective		echanizat	tion in ag	riculture, especially for	
11	Prevailing wage rate for casual labour in		Male				Female	
	agriculture (Rs./day)		280				200	
12	Availability of institutional credit for agriculture in the State		Target (Rs. in Cr	ore)	Ad	chieveme	ent (Rs. in Crore)	
	Reason for less achievement against the targe	 et		Suggestions t	to overco	ome the s	hortage	
				33			3-	
13	Electricity availability for irrigation pump	sets (nui	mber of hours pe	r day)			NA	
	for improvement on more accuracy in electricity		10.00	- *				
14	Availability of farm machinery for timely so other operations $()$	sowing, h	arvesting and	Easily a	vailable		Shortage	
	Reason for shortage			Suggestions	to overs	oma tha a	√ thortage	
1 Small		chase all	the 1 Thousa	of farm machin				
	l and marginal groups who cannot afford to pure ern costly machinery which is a main reason of sha		the prac				r large areas, for which tract farming, etc., are	
			2. Custom	service facilities	s may also	o be creat	ted in selected locations.	

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer $(\ensuremath{\vee})$		Adequate	Shortage			
				√			
Reason for the shortage			Suggestions to overcome the shortage				
,	Lack of awareness of farmers on availability of organic manure farm, yard manure, vermi- compost, bio-fertilizer etc.		The State Government has taken up some programmes for production of organic manure and bio-fertilizers. Awareness camping may also be launched among the farmers.				
16	Remarks and observations						

Name of AERC: Jorhat	state: Nagaland	Quarter Covered: Oct - Dec 2018
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Sl.No.	Indicators				Curr	ent st	atus			
1	Average Rainfall (mm)		Actua	l				Normal		
			110.15	5			164.5			
2	Number of districts received deficit	No of	f districts with	defi	cit rainfal	l	Tota	l number of	districts	
	rainfall in the State		9					11		
	ess Rainfall: +20% or more than Actual Rainfall; No Pain -100%	rmal Ra	infall: +19% to -19	9%; D	eficient Rai	infall: -2	20% to -59	9%; Scanty Rai	nfall: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name			ctual a (lakh h			eted area akh ha)	
		1	Paddy			1.89			2.90	
		2	Oilseeds			0.67			0.92	
			Pulses			0.37			0.50	
			Maize			0.70			0.86	
		5	5 Sugarcane 0.		0.04			0.09		
ote: Top	5 major crops considering Gross Cropped Area									
4	Incidence of major pests and diseases in major crops $()$ Sl. No. Crop Name		Severe Moderate		Low	Not at all				
		1	Paddy				$\sqrt{}$			
		2	Oilseeds			٦	V			
		3	Pulses				V			
		4	Maize				V			
		5	Sugarcane			٦	√ <u> </u>			
5	Farm output price of major crops	Sl.	C No		Price (Rs. per quin			intal)	Average	
		No.	Crop Name		Oct		Nov	Dec	Price	
		1	Paddy		1425.00	13	90.00	1400.00	1405.00	
		2	Oilseeds		3500.00	35	00.00	3500.00	3500.00	
		3	Pulses		3600.00	36	00.00	3600.00	3600.00	
		4	Maize		1290.00	12	80.00	1280.00	1283.33	
		5	Sugarcane		240.00	24	10.00	240.00	240.00	
ote: Cons	sidering the major markets dealing with the crops	under re	eference							
6	Seed availability in the local market for major crops $(\sqrt{\ })$	Sl. No.	Crop Name				Ade	equate	Shortage	
		1	Paddy					√		
		2	Oilseeds					√		
		3	Pulses					√		
		4	Maize					√		
		5	Sugarcane					√		
	Reason for shortage of seed in the local marke	t			Suggestic	ns to o	vercome	the shortage		

7	Prevailing market price of seed	Sl.			-	Price (Rs.	per kg)	
	(certified) of major crops	No.	Crop Name		Local vai		Hybrid variety	
		1	Paddy		37.00-50	0.00	80.00-135.00	
		2	Oilseeds		60.00-80	0.00	70.00-110.00	
		3	Pulses		60.00-70	0.00	75.00-90.00	
		4	Maize		30.00-42	2.00	45.00-65.00	
		5	Sugarcane		20.00-28	3.00		
Remarks:			-					
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizer	·s	Adequ	ıate	Shortage	
	the local market $()$	1	Urea		√			
		2	DAP					
		3	SSP					
		4	Others		V			
Reaso	n for shortage of chemical fertilizer in the loca	l market		Suggest	tions to overce	ome the sl	nortage	
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Pri	ice (Rs. per kg)	
		1	1 Urea				8.50	
		2	2 DAP 3 SSP 4 Others				20.00	
		3				7.50		
		4				6.00-14.00		
10	Availability of agricultural labour $()$	Easily available				Sł	nortage	
	Transport agreement tables (1)						<u>√</u>	
	Reason for shortage of agricultural labour			Suggest	tions to overc	ome the si	hortage	
Low wage problem	of agricultural labours creates the shortage of lal	bour	Agricultural le support their		nust get reaso	nable wag	es so that they can	
11	Prevailing wage rate for casual labour in		Male				Female	
	agriculture (Rs./day)		290.00			190.00		
12	Availability of institutional credit for	Та	rget (Rs. in Cror	e) Achievement (Rs. in Crore)				
	agriculture in the State		NA	,			NA	
	Reason for less achievement against the targe	rt		Suggest	tions to overc	ome the si	hortage	
	NA				NA			
13	Electricity availability for irrigation pump	sets (nur	nber of hours pe	er dav)			NA	
	n for improvement on more accuracy in electric							
14	Availability of farm machinery for timely	sowing, h	arvesting and	Eas	sily available		Shortage	
	other operations ($$)						√	
	Reason for shortage				tions to overc			
Lack of pu	rchasing power of small and marginal groups of fo	irmers.	Govt. can intr the farmers a			nes to supp	oly of farm machinery to	
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ($$)	manure,	1	Adequate			Shortage √	
	Reason for the shortage			Suggest	tions to overc	ome the si	· · · · · · · · · · · · · · · · · · ·	
Production fertilizer i	n of organic manure farm-yard manure, vermin- c	ompost, bi		policy me	easures to ens	ure availal	pility of organic manure entrepreneurship.	
16	Remarks and observations		, , , , , , ,				, ,	
10	ויכווומו איז מווע טויזפו אמנוטווג							

Name of AERC: Jorhat	State: Tripura	Quarter Covered: Oct - Dec 2018
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Sl.No.	Indicators			Curre	nt status				
1	Average Rainfall (mm)		Actual			Normal			
			165.53			203.7			
2	Number of districts received deficit	No of districts with deficit rainfall Total number of districts							
	rainfall in the State		3			4			
Note : Exce -99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Ra	infall: +19% to -19%	í; Deficient Rainf	all: -20% to -59	%; Scanty Rain	fall: -60% to		
3	3 Area covered under major crops		Crop Name		ual area akh ha)		eted area kh ha)		
		1	Paddy		2.54	7	2.75		
			Maize		0.05	(0.09		
		3	Pulses		0.10	(0.13		
		4	Oilseeds		0.07	(0.10		
		5	Sugarcane		0.02	(0.03		
Note: Top	5 major crops considering Gross Cropped Area			·					
4	4 Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all		
		1	Paddy		√				
		2	Maize		√				
		3	Pulses		√				
		4	Oilseeds		√				
		5	Sugarcane		$\sqrt{}$				
5	Farm output price of major crops	Sl.		Price	Rs. per qui	ntal)	Average		
		No.	Crop Name	Oct	Nov	Dec	Price		
		1	Paddy	1410.00	1400.00	1400.00	1403.33		
		2	Maize	1300.00	1300.00	1290.00	1296.67		
		3	Pulses	3650.00	3650.00	3650.00	3650.00		
		4	Oilseeds	3485.00	3460.00	3450.00	3465.00		
		5	Sugarcane	242.00	242.00	242.00	242.00		
Note : Cons	idering the major markets dealing with the crops	under r	eference						
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name		Ade	quate	Shortage		
		1	Paddy			√			
		2	Maize						
		3	Pulses			√			
		4	Oilseeds			√ √			
		5	Sugarcane						
	Reason for shortage of seed in the local marke	t		Suggestion	s to overcome	the shortage			

7	Prevailing market price of seed	Sl.					Price	(Rs. per kg)	
	(certified) of major crops	No.	Cr	op Name		Loca	al variety	Hybrid variety	
		1	Pa	addy		34.0	00-56.00	70.00-140.00	
		2	Ma	aize		29.0	00-38.00	40.00-60.00	
		3	Pι	ılses		60.0	00-75.00	78.00-115.00	
		4	Oi	lseeds		60.0	00-70.00	80.00-110.00	
		5	Su	igarcane		23.0	00-30.00		
Remarks:									
8	Chemical Fertilizer (NPK) availability in the local market (\surd)	Sl. No.	Fe	rtilizers		Ade	quate	Shortage	
		1	Ur	ea			√		
		2	DA	ιP			√		
		3	SS	Р			√		
		4	Ot	hers			$\sqrt{}$		
Reaso	Reason for shortage of chemical fertilizer in the local I				Su	ggestions t	o overcome	the shortage	
9	Prevailing market price of fertilizer	Sl. No.	Fe	Fertilizers			ı	Price (Rs. per kg)	
		1	Ure	ea				8	
			2 DAP					21.00	
		3	SSI	P				7.50	
		4	Ot	hers				6.00-14.00	
10	Availability of agricultural labour $()$		Ea	Easily available				Shortage	
							$\sqrt{}$		
	Reason for shortage of agricultural labour			Suggestions to ov			o overcome	the shortage	
Migration	of labour from rural to urban areas						blem Govt. o tive livelihood	can adopt some basic policy d option	
11	Prevailing wage rate for casual labour in			Male				Female	
	agriculture (Rs./day)			280				210	
12	Availability of institutional credit for agriculture in the State	-	Targe	et (Rs. in	Crore)		Achiever	ment (Rs. in Crore)	
	Reason for less achievement against the targe	rt			Su	ggestions t	o overcome t	the shortage	
13	Electricity availability for irrigation pump	sets (nu	umbe	er of hou	rs per da	y)		NA	
Suggestion	n for improvement on more accuracy in electricity	:							
14	Availability of farm machinery for timely and other operations $()$	sowing,	harv	rvesting Easily availa		sily availab	ole	Shortage √	
	Reason for shortage				Su	ggestions t	o overcome t	·	
Small and	I marginal farmers cannot afford to purchase all	the mod	dern	Govt. sho				small & marginal farmers at	
costly mad	•			subsidize			,	,	

	Availability of organic manure, farm-yard-mavermi-compost, bio-fertilizer (√)		Adequate	Shortage			
				√			
		Reasons for shortage	Suggestions to overcome the shortage				
1.		nt policy initiatives are not sufficient enough to meet the nd and hence shortage persists.	2 1. Bio- fertilizer production centre should enhance their production capacity for reducing the shortage of fertilizer				
2.	Lack o	of awareness on the uses of bio-fertilizer					
	16	Remarks and observations					

- Sources:
 1) Economic Survey
- 2) Statistical Hand Book

- 3) Website of Agricultural Department
- 4) Nedfi Data Bank
- 5) IMD, Website
- 6) Minutes of SLBC Meeting

Agro-Economic Research Centre, Santiniketan, West Bengal

Name of AERC: Santiniketan	State: West Bengal	Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status							
1	Average Rainfall (mm)		Actual			Normal			
			499.6			882.1			
Source: Dir	rectorate of Agriculture, Govt. of West Bengal				•				
2	No. of districts received deficit rainfall	No. of	districts with defi-	cit rainfall	Total r	number of d	stricts		
	in the state		15			19			
-99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100% rectorate of Agriculture, Govt. of West Bengal	rmal Raii	nfall: +19% to -19%; De	eficient Rainf	fall: -20% to -59%	; Scanty Rainf	fall: -60% to		
3	3 Area covered under major crops		Crop Name		Actual area (Lakh ha)		geted area Lakh ha)		
		1	Summer Paddy		0.12		13.10		
		2	Wheat		0.75		1.54		
		3	Potato		3.95		4.60		
		4	Mustard		5.56		5.75		
		5	Lentil		1.85		1.20		
	5 major crops considering Gross cropped area rectorate of Agriculture, Govt. of West Bengal								
4	Incidence of major pests and diseases in principal crops sown $()$		Crop Name	Severe	Moderate	Low	Not at all		
		1	Summer Paddy			√			
		2	Wheat			√			
		3	Potato				√		
		4	Mustard						
		5	Lentil				√		
Source- Dir	rectorate of Agriculture, Govt. of West Bengal	ı		,					
5	Farm output price of major crops	Sl. c		Pri	ce (Rs. per qui	intal)	Average		
		No.	Crop Name	Oct	Nov	Dec	Price		
		1	Summer Paddy	1450	1510	1584	1515		
		2	Wheat	1890	1950	2013	1951		
		3	Potato	750	700	647	699		
		4	Mustard	4100	4150	4210	4154		
		5	Lentil	5510	5560	5604	5558		
	ider major producing market marknet website								
6	Seed availability in the local market for	Sl. No.	Crop Name		Adequa	ate	Shortage		
	major crops $()$	1	Summer Paddy		√				
		2	Wheat		√				
		3	Potato						
		4	Mustard		√				
		5	Lentil		√				
R	eason for shortage of seed in the local market			Suggestions	to overcome the	shortage			
					_				

7	Prevailing market price of seed	CI.				Di	rice (Rs. p	er ka)	
,	(certified) of major crops	Sl. No.	Cro	p Name	1.0	cal vari		Hybrid variety	
		1	Sun	nmer Paddy		cat vai i	ety	40.00	
		2	Wh	-				30.00	
		3		ato				32.00	
		4		stard				48.00	
		5						-	
Source: Le	ocal Market) 3	Ler	itit				55.00	
				l					
8	Chemical Fertilizer (NPK) availability in the local market ($$)	Sl. No	0.	Fertilizers		Ad	equate	Shortag	
	the total market (v)	1		Urea				√	
		2		DAP			√		
		3		SSP			√		
		4		Others			√		
Reaso	on for shortage of chemical fertilizer in the loca	al market			Suggestions t	o overco	me the sho	rtage	
Inadequat	e supply			Supply is to	be increased				
9	Prevailing market price of fertilizer	Sl. No.	Fer	rtilizers			Price	(Rs. per kg)	
		1	Ure	ea				11.00	
		2	DAI	P				28.00	
		3	SSF	P thers		12.		12.50	
		4	Oth					20.50	
Source- Lo	ocal Market	'				,			
10	Availability of agricultural labour $()$			Ea	sily available			Shortage $\sqrt{}$	
	Reason for shortage of agricultural labour				Suggestions to	overcoi	me the shor	· ·	
Due to co-	inside of 100 days work with Agril. work			Steps should be harvesting wo	e taken to imple			or after sowing a	
Source- Lo	ocal Market								
11	Prevailing wage rate for casual labour in			Male			Fe	male	
	agriculture (Rs./day)			225		225			
Source- Di	rectorate of Agriculture, Govt. of West Bengal								
12	Availability of institutional credit for		Tare	get (Rs. in Cr	rore)	Δcl	nievement	(Rs. in Crore)	
	agriculture in the State			64071	0.0)	7.0.		035	
	Reason for less achievement against the targe	 •t		0 1071	Suggestions to	overcoi			
					- 33	-			
Source: UE	BI, Head Office, Kolkatta								
13	Electricity available for irrigation pump so	ets (No. c	of ho	urs per day)				NA	
	n for improvement on more accuracy in electric		31 110	ars per day)					
					Facil and	. 1 . 1. 1 .		Charlen	
14	Availability of farm machinery for timely other operations $()$	sowing, n	narve	esting and	Easily av	ailable		Shortage √	
	Reason for the shortage				Suggestions to				
Availabilit	y is less and requirement is at a time			Steps should b farmers	e taken to incred	ase suppl	y of farm m	achineries to the	
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ($$)	manure,	-	А	dequate $\sqrt{}$		9	hortage	
Source: La	ocal Market				·				
16	Remarks and observations								

Agro-Economic Research Centre, Andhra University, Visakhapatnam

Name of	f AERC: Visakhapatnam	tate: An	dhra Pradesh			Quarter Covered: Oct - Dec 2018				
Sl.No.	Indicators				Curre	nt Status				
1	Average Rainfall (mm)		Actual			Normal				
	01-07-2018 to 30-09-2018		124.1	124.1			296.00			
2	Number of districts received deficit rainfall in the State	No of	f districts with o	infall	To	tal number	of di	stricts		
	Tullian III the State	7 (De	eficit), 5 (Scanty)	& 1 (No	rmal)		13	3		
Note : Exce -99%; No R	ess Rainfall: +20% or more than Actual Rainfall; Iain -100%	Normal Ra	infall: +19% to -19!	%; Deficie	nt Rainf	fall: -20% to	-59%; Scanty	, Rainfe	all: -60% to	
3	3 Area covered under major crops		Crop Name	Ac	tual ar	ea (lakh ha) Target	ted ar	ed area (lakh ha)	
		1	Paddy		3	.37		7.	45	
		2	Bengalgram		4	.20		4.	41	
			Blackgram		2	.10		3.	52	
			Maize		0	.95		2.	00	
		5	5 Tobacco 0.75			1.05				
Vote : Top	5 major crops considering Gross croppe	d area								
	Incidence of major pests and diseases i principal crops sown $()$	n Sl. No.	Name of the Crop	Severe	Мо	derate	Low	Ar	rea Treated in ha.	
		1	Paddy				√	√ 314		
		2	Non-Paddy				√		44544	
5	Farm output price of major crops	Sl.	Sl. No. Crop Name		Pric	ce (Rs. per	quintal)	(Rs. pe		
		No.			Oct	Nov	Dec		quintal) (MSP)	
		1	Paddy Commo	on					1750	
		2	Paddy Grade						1750	
		3	Maize						1700	
		4	Groundnut						4890	
		5	Mung						6975	
Note : Cons	sider major producing market									
6	Seed availability in the local market for major crops (/)	SI.	Crop Name			Adequat	e	SI	nortage	
		1	Paddy			$\sqrt{}$				
		2	Pulses	Pulses		√				
		3	Groundnut			$\sqrt{}$				
	Reason for shortage of seed in the local ma	rket		Sugg	estions	s to overcon	ne the short	tage		
	Reason for shortage of seed in the local ma	rket		Sugg	gestions	s to overcon	ne the short	tage		

7	Prevailing market price of seed (certified) of major crops			(0.1	Price (Rs. per e rate of Dep		
				Local var	iety	Hybrid variety	
		1	Paddy	28-32.8	30	-	
		2	Maize	77-350)	-	
		3	Groundnut	61		-	
		4	Mung	70-90		-	
marks:					'		
8	Chemical Fertilizer(NPK) availability in	Sl. No.	Fertilizers	Adequ	uate	Shortage	
	the local market $()$	1	Urea	√			
		2	DAP	√			
		3	SSP	√			
		4	Others	√			
Reason	n for shortage of chemical fertilizer in the loca	l market		Suggestions to over	come the shor	tage	
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Price (F	Rs. per 50 kg)	
		1	Urea			5.90	
		2	DAP			29	
			SSP		10.50		
		4	Others	thers		-	
10	Availability of agricultural labour $()$		Easily ava	Easily available Shortag		Shortage	
			√				
	Reason for shortage of agricultural labour			Suggestions to over	come the short	tage	
	-			-			
11	Prevailing wage rate for casual labour in		Mal	е	Female		
	agriculture (Rs./day)		400)	250		
12	Availability of institutional credit for		Target (Rs	. crore)	Achieveme	nt (Rs. crore)	
	agriculture in the state (Co-operative Bank)		4253				
	Reason for less achievement against the t	aroet		Suggestions to	overcome the	shortage	
	-			223322112112 12	-		
13	Electricity availability for irrigation pump	sets (nur	nber of hours	per day)	-	9	
ıggestior	n for improvement on more accuracy in electric	ity:		1			
14	Availability of farm machinery for timely sharvesting and other operations ($$)	sowing,		Easily available		Shortage	
				√			
	Reason for the shortage			Suggestions to over	come the short	tage	
	Availability of organic manuse farm	man		Adoquata		hortage	
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (√)		manure, Adequ		5	Shortage	
15	vermi-compost, bio-fertilizer (√)						
15	vermi-compost, bio-fertilizer (√) Reason for the shortage			Suggestions to over	come the short	tage	
15				Suggestions to over	come the short	tage	

 ${\it Source: Information compiled by AP Planning department, Government of Andhra Pradesh, Amaravathi NA implies Not Available}$

Agro-Economic Research Centre, Gokhale Institute of Politics and Economics, Pune - 411004

Name of AERC: Pune	State: Maharashtra	Quarter Covered: Oct - Dec 2018
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Sl.No.	Indicators	Current status								
1	Average Rainfall (mm)		Actual				Noi	rmal		
			12.8 mm				32	.03		
2	No. of districts received deficit rainfall	No. of	f districts with de	ficit rain	fall	ll Total number of districts				
	in the state		30			33				
Note: Exce 99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rai	nfall: +19% to -19%;	Deficient	Rainfa	ıll: -20% to -	-59%; Scani	ty Rainfa	ll: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name			Actual ar (Lakh ha			eted area akh ha)	
		1	Rabi Jowar			10.84			26.79	
		2	Wheat			4.01			10.12	
		3	Gram			11.34			14.90	
		4	Rabi Sunflower			0.05			0.42	
		5	Maize			0.90			2.25	
lote: Top	5 major crops considering Gross cropped area									
4	4 Incidence of major pests and diseases in principal crops sown (√)		Crop Name	Severe	e /	Moderate	Low	1	Not at all	
		1	Rabi Jowar				√			
		2	Wheat				√			
		3	Gram			√				
		4	Rabi Sunflower					No	ot Available	
		5	Maize				√			
5	Farm output price of major crops	Sl. No.	Crop Name		Price (Rs. per quinta			nl) Dec	Average Price	
		1	Rabi Jowar		2761			3224	3227	
		2	Wheat					3925	3939	
		3	Gram		3224			2467	3031	
		4	Rabi Sunflower		3662			3749	3637	
		5	Maize		1343	3 13	87	1427	1385	
	Note: Consider major producing market									
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name			Adeo	quate	SI	nortage	
		1	Rabi Jowar				√			
		2	Wheat				√			
		3	Gram				√			
		4	Rabi Sunflower				√			
		5	Maize				V			
Re	eason for shortage of seed in the local market			Suggesti	ons to	overcome	the short	пае		

7	Prevailing market price of seed	Sl.	Crop Namo		Pric	e (Rs. per kg)	
	(certified) of major crops	No.	Crop Name	Local	variety	Hybrid variety	
		1	Rabi Jowar		40	64	
		2	Wheat		30	38	
		3	Gram		40	73	
		4	Rabi Sunflower		-	60	
		5	Maize		-	70	
marks:							
8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fertilizers	А	dequate	Shortage	
	the local market $()$	1	Urea		$\sqrt{}$	-	
		2	DAP		$\sqrt{}$	-	
		3	SSP		√	-	
		4	Others		√	-	
Reaso	n for shortage of chemical fertilizer in the local	l market		Suggestions to d	vercome	the shortage	
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers			Price (Rs. per kg)	
		1	Urea	Jrea		5.91	
		2	DAP			28	
		3	SSP			7.6	
		4	Others			19	
10	Availability of agricultural labour $()$		Fa	sily available		Shortage	
	Transport agreement tables (*)			aranaste			
	Reason for shortage of agricultural labour			Suggestions to o	vercome	the shortage	
			Custom hiring	of tractors and oth	er machi	nery must be popularized	
11	Prevailing wage rate for casual labour in		Male			Female	
• •	agriculture (Rs./day)		300		200		
42							
12	Availability of institutional credit for agriculture in the State		Target (Rs. in C	rore)	Achievement (Rs. in Crore)		
	<u> </u>		80000			NA	
	Reason for less achievement against the targe	t		Suggestions to a	vercome	tne snortage	
42	E	. ,		1)			
13	Electricity availability for irrigation pump in for improvement on more accuracy in electric		mber of hours pe	er day)		8	
ggestioi	n for improvement on more accuracy in electric	ity:		1			
14	Availability of farm machinery for timely so ther operations $()$	sowing, h	arvesting and	Easily avail	able	Shortage	
	Reason for the shortage			Suggestions to a	vercome	the shortage	
	-				-		
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ($$)	manure,		Adequate √		Shortage	
	Reason for the shortage			Suggestions to a	vercome	the shortage	
	-			345563610113 60 6	-	the shortage	
16	Remarks and observations						



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