

# 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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**A**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 Rural 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, Haryana, 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
6. 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 quarter is also similar as compared to the same quarter 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

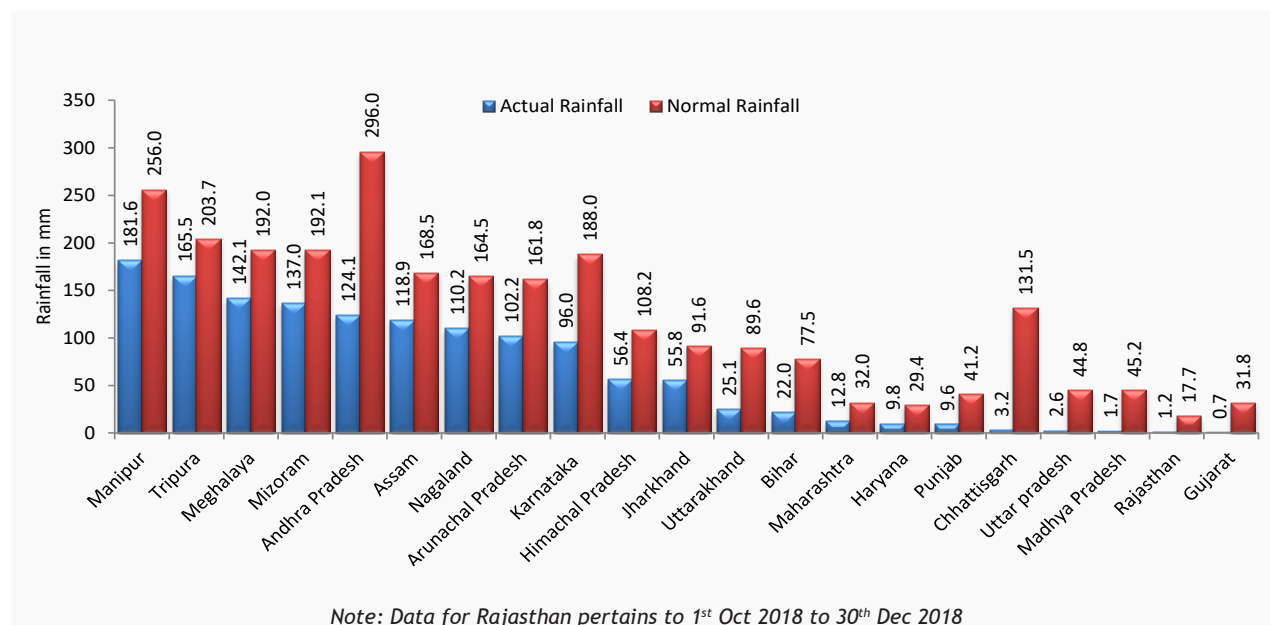


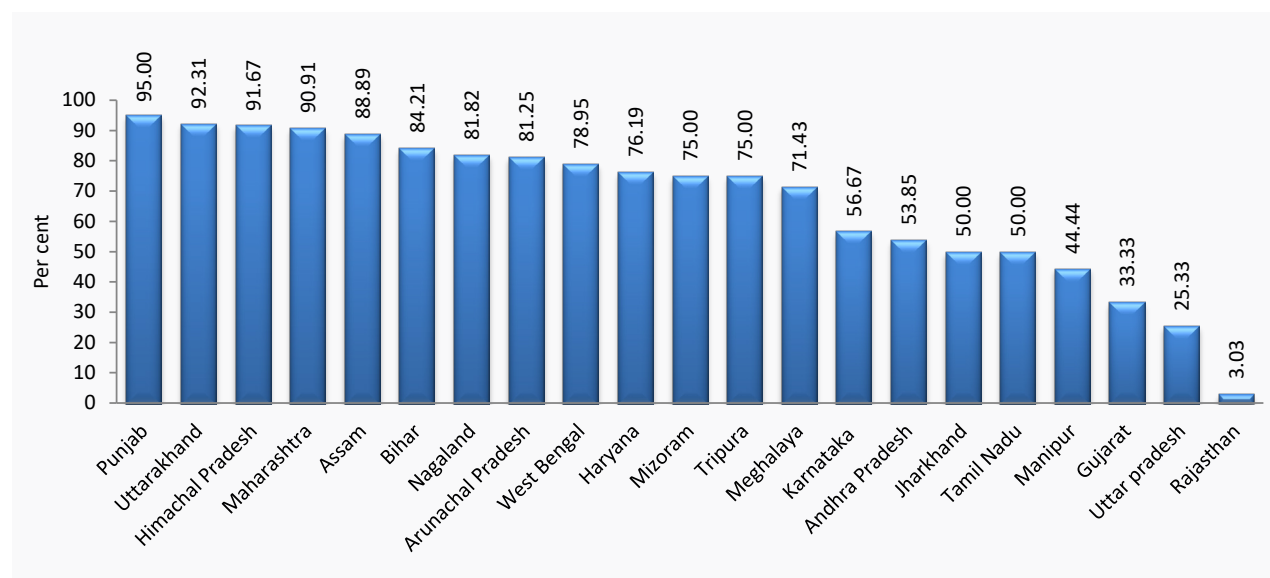
Figure 1: State-wise distribution of actual and normal rainfall which have received rainfall less than normal



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.

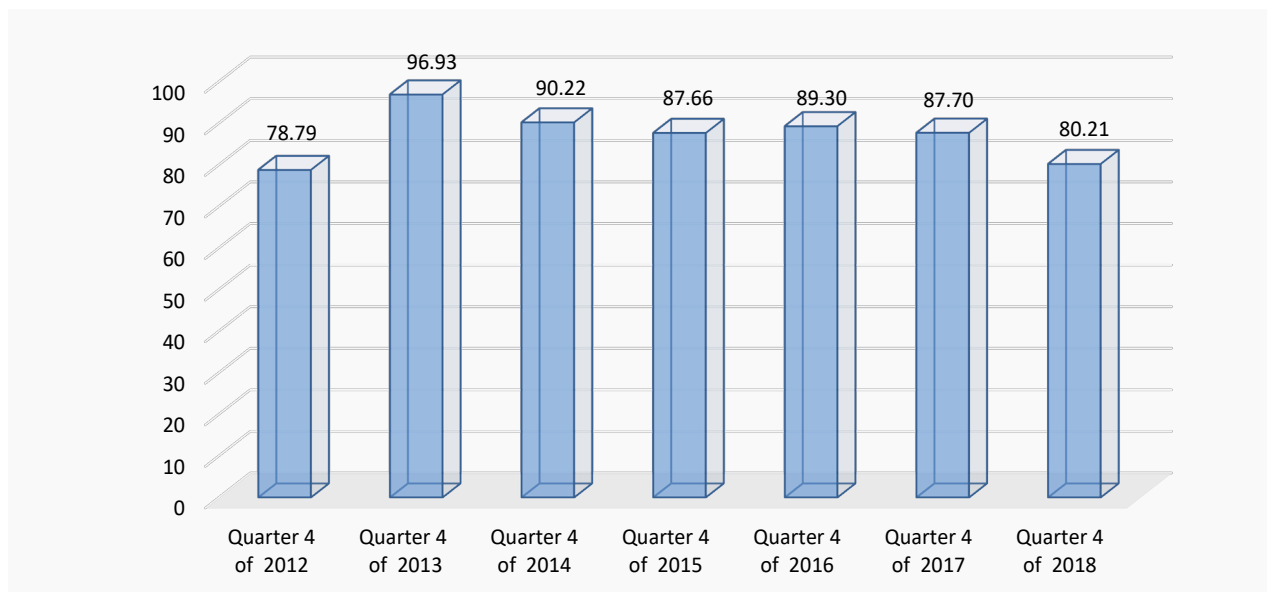
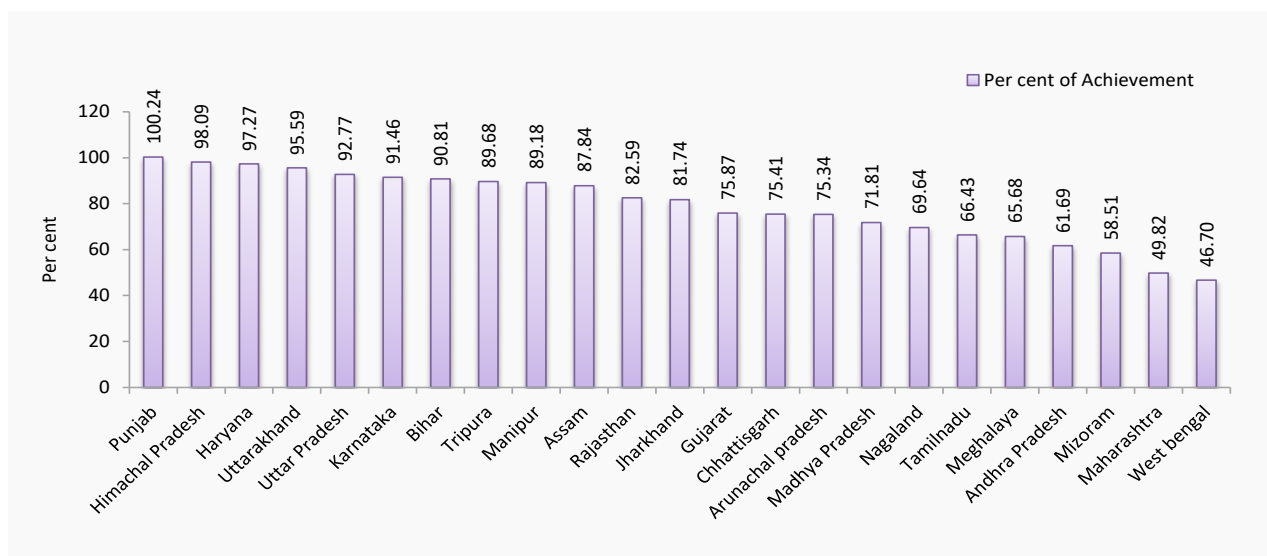


Figure 3: Area covered under major crops in 4<sup>th</sup> quarter of last 7 years as per cent to targeted area



Note: Gujarat data is up to 24<sup>th</sup> Dec 2018, Rajasthan data is up to 13<sup>th</sup> Dec 2018.

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**.

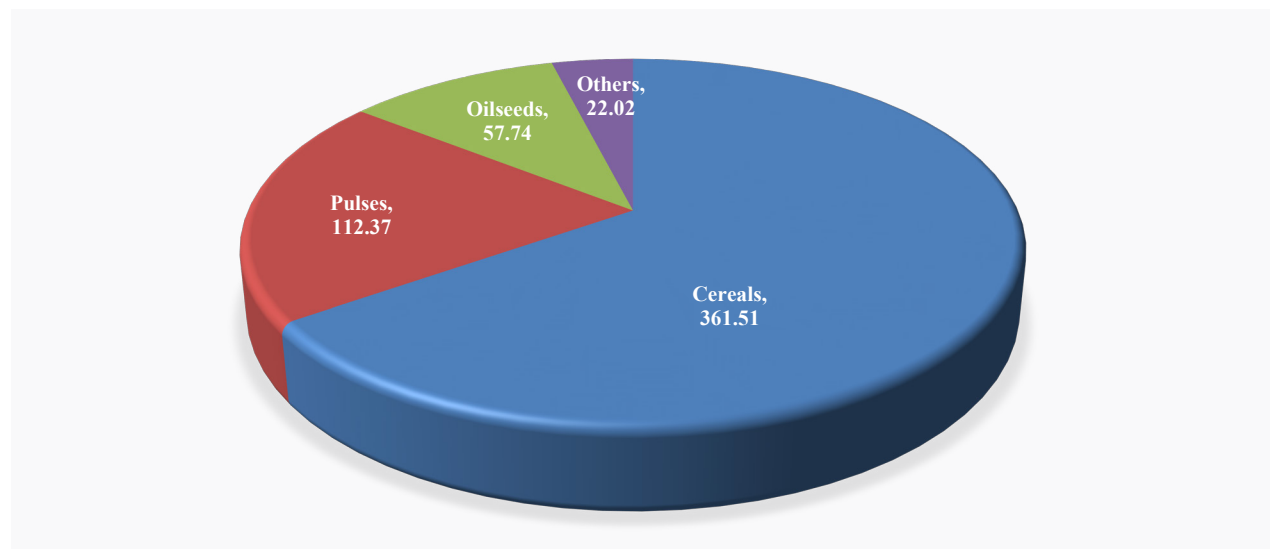


Figure 5: Area covered under different crop categories (lakh hectares)

#### 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)

States	Paddy		Maize		Wheat	
	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.

### 9. 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.

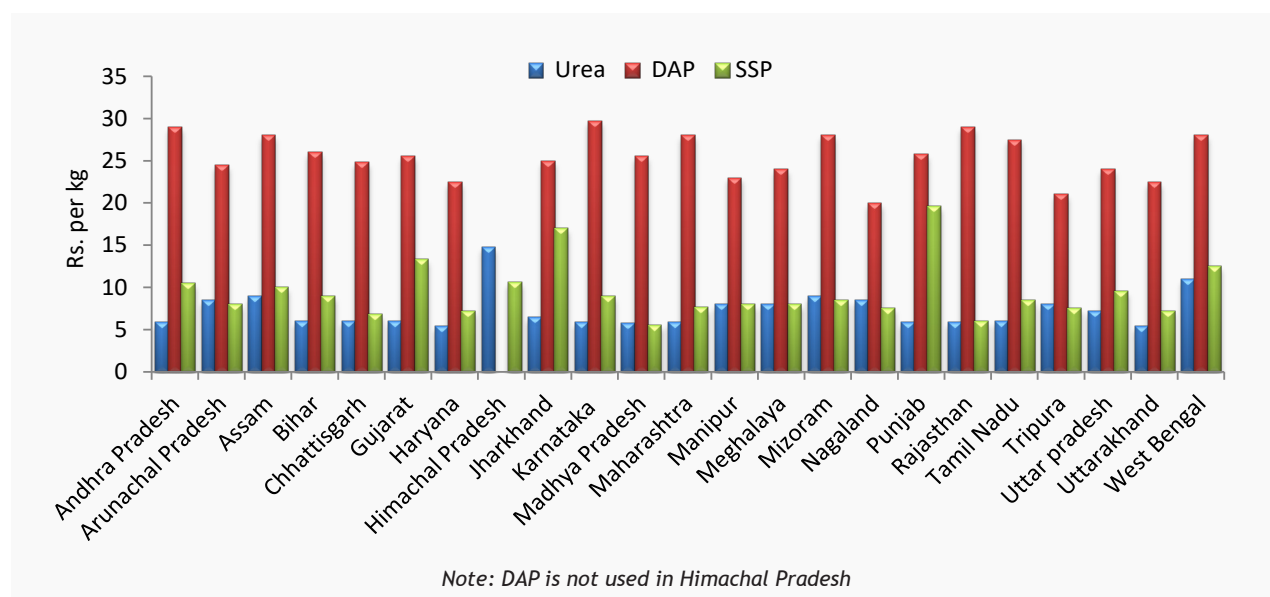


Figure 6: Prevailing market price of fertilizer

- 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.

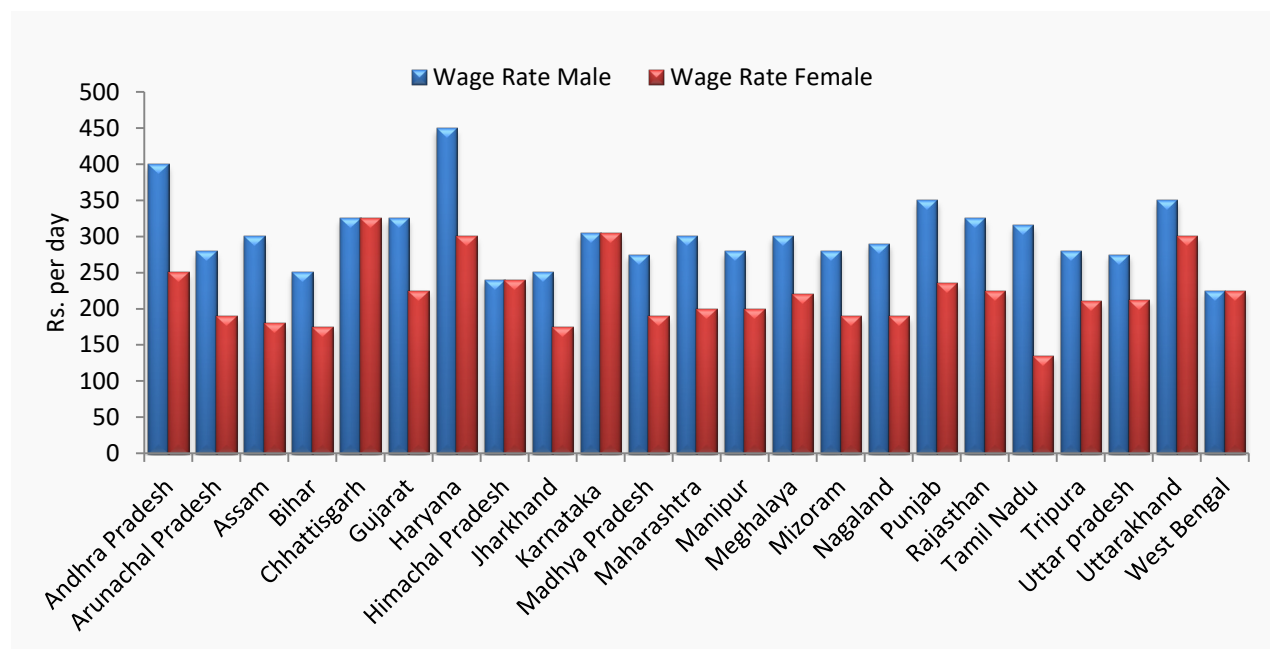


Figure 7: Prevailing wage rate for casual labour in agriculture

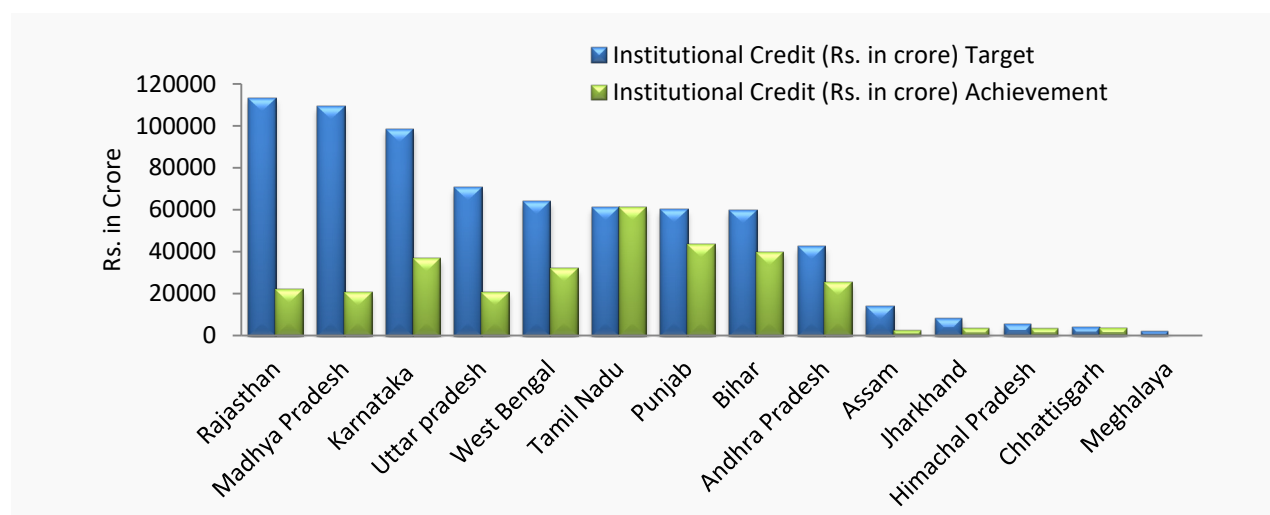


Figure 8: Availability of Institutional Credit for Agriculture in the State

### 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 <sup>@</sup>	60250.54	43638.30	72.43
4	Bihar <sup>*</sup>	60000.00	40000.00	66.67
5	Himachal Pradesh <sup>**</sup>	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 <sup>@@</sup>	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 <sup>***</sup>	109264.00	20644.00	18.89
13	Assam <sup>*</sup>	13867.71	2488.24	17.94
14	Meghalaya	2247.34	202.01	8.99

Note: <sup>\*</sup> Data pertains to Annual, Assam & Bihar

<sup>\*\*</sup> Data pertains to September 2018 (150<sup>th</sup> SLBC meeting of Shimla), Published by UCO Bank, Himachal Pradesh

<sup>\*\*\*</sup> Data pertains to 20<sup>th</sup> August 2018, SLBC, Madhya Pradesh

<sup>@</sup> Data pertains to November 2018 (Agenda papers of 146<sup>th</sup> Meeting of SLBC), Punjab

<sup>@@</sup> Data pertains to September 2018, SLBC, Karnataka

- 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.



# Filled-in Questionnaires of AERCs for different States

**Agro-Economics Research Centre, University of Delhi, Delhi-110007**
Name of AERC: **Delhi**State: **Haryana**Quarter Covered: **Oct - Dec 2018**

Sl.No.	Indicators	Current status	
1	Average Rainfall (mm)	Actual	Normal
		9.8	29.4

Source: Indian Meteorological Department (IMD)

Note: The Actual and Normal rainfall is accumulated rainfall from 01<sup>st</sup> Oct 2018 to 31<sup>st</sup> Dec, 2018.

2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts
		16	21

Note: 1. Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%

Source: Indian Meteorological Department (IMD)

3	Area covered under major crops (Rabi season)	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)
		1	Wheat	24.54	25.23
2	Gram	0.50	-		
3	Mustard	5.49	-		

Source: Directorate of Economics and Statistics (Government of Haryana)

4	Incidence of major pests and diseases in major crops (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Wheat			√	
2	Gram			√			
3	Mustard			√			

Source: Various markets

5	Farm output price of major crops	Sl.No.	Crop Name	Price (Rs. per quintal)			Average Price
				October	November	December	
1	Wheat	-	-	-	-		
2	Gram	3876.3	4224.9	4240.2	4113.8		
3	Mustard	3835.9	3950.1	3880.9	3889.0		

Note: Consider major Producing market

Source: agmarknet.gov.in

6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage
		1	Wheat	√	
2	Gram	√			
3	Mustard	√			

Reason for shortage of seed in the local market

Suggestions to overcome the shortage

Source: Various markets

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

Source: Various markets

8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	-
		2	DAP	√	-
		3	SSP	√	-
		4	Others (NPK)	√	-
<i>Reason for shortage of chemical fertilizer in the local market</i>			<i>Suggestions to overcome the shortage</i>		
-			-		
<i>Source: Various Markets</i>					
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)	-	
<i>Source: Various Markets</i>					
10	Availability of agricultural labour (√)	Easily available		Shortage	
		√			
		<i>Reason for shortage of agricultural labour</i>		<i>Suggestions to overcome the shortage</i>	
-		-			
<i>Source: Various Markets</i>					
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		450		300	
<i>Source: Agricultural Situation in India</i>					
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		-		-	
		<i>Reason for less achievement against the target</i>		<i>Suggestions to overcome the shortage</i>	
-		-			
<i>Source: Various Markets</i>					
13	Electricity availability for irrigation pump sets (number of hours per day)			8	
<i>Suggestion for improvement on more accuracy in electricity:</i>					
<i>Source: District Nodal Officers, Deputy Director Agriculture office, Haryana</i>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
		√			
		<i>Reason for the shortage</i>		<i>Suggestions to overcome the shortage</i>	
-		-			
<i>Source: Various Markets</i>					
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
		√			
		<i>Reason for the shortage</i>		<i>Suggestions to overcome the shortage</i>	
-		-			
<i>Source: Various markets</i>					
16	Remarks and observations			-	

NA implies Not Available

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

Name of AERC: Delhi

State: Uttarakhand

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		25.1	89.6				
<i>Source: Indian Meteorological Department (IMD), Note: The Actual and Normal rainfall is accumulated rainfall from 1st October 2018 to 31st December, 2018.</i>							
2	Number of districts received deficit rainfall in the State (June)	No of districts with deficit rainfall	Total number of districts				
		12	13				
<i>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</i>							
<i>Source: IMD.</i>							
3	Area covered under major crops (Rabi season)	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)		
		1	Wheat	3.25	3.40		
		2	Gram	0.01	-		
		3	Mustard	0.165	-		
<i>Source: Directorate of Economics and Statistics (State Government of Uttarakhand)</i>							
4	Incidence of major pests and diseases in major crops (✓)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Wheat			✓	
		2	Gram			✓	
		3	Mustard			✓	
<i>Source: Various Markets</i>							
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				October	November	December	
		1	Wheat	1874.8	1965.4	1922.4	1920.9
		2	Gram	-	4600.0	4961.5	4780.8
3	Mustard	3351.0	3300.0	2750.0	3133.7		
<i>Note: Considering the major markets</i>							
<i>Source: agmarknet.gov.in</i>							
6	Seed availability in the local market for major crops (✓)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Wheat	✓			
		2	Gram	✓			
		3	Mustard	✓			
<i>Reason for shortage of seed in the local market</i>				<i>Suggestions to overcome the shortage</i>			
-				-			
<i>Source: Various Markets</i>							
7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)			
				Local variety	Hybrid variety		
		1	Wheat	28-30	-		
		2	Gram	35-40	125-130		
3	Mustard	38-42	-				
<i>Remarks:</i>							
<i>Source: Various Markets</i>							

8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP		
		4	Others		
<i>Reason for shortage of chemical fertilizer in the local market</i>			<i>Suggestions to overcome the shortage</i>		
<i>Source: Various Markets</i>					
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	-	
<i>Source: Various Markets</i>					
10	Availability of agricultural labour (√)	Easily available		Shortage	
				√	
		<i>Reason for shortage of agricultural labour</i>			<i>Suggestions to overcome the shortage</i>
<i>Source: Various Markets</i>					
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		350		300	
<i>Source: Agricultural Situation in India</i>					
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		-		-	
		<i>Reason for less achievement against the target</i>			<i>Suggestions to overcome the shortage</i>
<i>Source:</i>					
13	Electricity availability for irrigation pump sets (number of hours per day)	20			
<i>Suggestion for improvement on more accuracy in electricity:</i>					
<i>Source: Agriculture Development Officer (ADO), Vikas Nagar Dehradun, Uttarakhand</i>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<i>Reason for the shortage</i>			<i>Suggestions to overcome the shortage</i>
<i>Source: Various Markets</i>					
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
		√			
<i>Source: Agriculture Development Officer (ADO), Vikas Nagar Dehradun, Uttarakhand</i>					
16	Remarks and observations	NA			

NA implies Not Available

### Agro-Economic Research Centre, Vallabh Vidyanagar, Gujarat

Name of AERC: Vallabh Vidyanagar

State: Gujarat

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (01.10.2018 to 31.12.2018)	Actual		Normal			
		0.7		31.8			
2	Number of districts received deficit rainfall in the State (01.10.2018 to 31.12.2018)	No of districts with deficit rainfall		Total number of districts			
		Large deficit	No Rainfall				
		11	22	33			
<b>Note:</b> Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%;							
3	Area covered under major crops (as on 24.12.2018) (Source: <a href="http://dag.gujarat.gov.in">http://dag.gujarat.gov.in</a> )	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area* (lakh ha)		
		1	Wheat	7.30	10.13		
		2	Gram	1.66	2.89		
		3	Mustard	1.94	2.18		
		4	Cumin	3.21	3.69		
		5	Potato	1.20	1.29		
<b>Note:</b> 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	-	-	√	-
		2	Gram	-	√	-	-
		3	Mustard	-	-	√	-
		4	Cumin	-	√	-	-
		5	Potato	-	-	√	-
<b>Source:</b> Field surveys, Cost of Cultivation Scheme, Gujarat							
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		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
<b>Note:</b> Considering the major producing markets; <b>Source:</b> <a href="http://agmarknet.gov.in">http://agmarknet.gov.in</a>							
6	Seed availability in the local market for major crops (√)	Sl.No.	Crop Name	Adequate	Shortage		
		1	Paddy	√			
		2	Tur	√			
		3	Groundnut	√			
		4	Cotton	√			
		5	Fodder	√			
<b>Reason for shortage of seed in the local market</b>				<b>Suggestions to overcome the shortage</b>			
-				-			
<b>Source:</b> Field surveys, Cost of Cultivation Scheme, Gujarat							

7	Prevailing market price of seed (certified) of major crops	Sl.No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety/Improved variety
		1	Wheat	15-20	25-35
		2	Gram	45-60	125-175
		3	Mustard	60-70	450-500
		4	Cumin	100-120	300-350
		5	Potato	7-7.5	NA

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

8	Chemical Fertilizer ( NPK) availability in the local market (√)	Sl.No.	Fertilizers	Adequate	Shortage
				1	Urea
		2	DAP	√	
		3	SSP	√	
		4	Others	√	

Reason for shortage of chemical fertilizer in the local market

Suggestions to overcome the shortage

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

9	Prevailing market price of fertilizer	Sl.No.	Fertilizers	Price (Rs. per kg)
				1
		2	DAP	25.6
		3	SSP	13.30
		4	Others	-

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

10	Availability of agricultural labour (√)	Easily available	Shortage
		√	

Reason for shortage of agricultural labour

Suggestions to overcome the shortage

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female
		300 - 350	200 - 250

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

12	Availability of institutional credit for agriculture in the State (Qtr ended December 2017)	Target (Rs. in Crore)	Achievement (Rs. in Crore)
		NA	NA

Reason for less achievement against the target

Suggestions to overcome the shortage

13	Electricity availability for irrigation pump sets (number of hours per day)	8
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Suggestion for improvement on more accuracy in electricity: NA

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage
		√	

Reasons for the shortage

Suggestions to overcome the shortage

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage
		√	

Source: Field surveys, Cost of Cultivation Scheme, Gujarat

16	Remarks and observations	-
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NA implies Not Available

### Agro-Economic Research Centre, Vallabh Vidyanagar, Rajasthan

Name of AERC: Vallabh Vidyanagar

State: Rajasthan

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status	
1	Average Rainfall (mm) Period: 01-10-2018 To 30-12-2018	Actual	Normal
		1.2 (-93%)	17.7

Source: India Meteorological Department, Hydromet Division, New Delhi, <http://hydro.imd.gov.in>

2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts
		01 (Deficient Rainfall) 14 (Scanty Rainfall) 18 (No Rain)	33

Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%

Source: India Meteorological Department, Hydromet Division, New Delhi, <http://hydro.imd.gov.in>

3	Area covered under major crops (As on 13-12-2018 )	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)
		1	Wheat	23.96	32.0
2	Barley	2.79	03.0		
3	Gram	14.53	15.0		
4	Rapeseed & Mustard	22.79	26.0		
5	Taramira	0.35	2.0		

Note: Top 5 major crops considering Gross cropped area;

Source: Directorate of Agriculture, Jaipur, Rajasthan

4	Incidence of major pests and diseases in principal crops sown (✓)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Wheat				
2	Barley					✓	
3	Gram					✓	
4	Rapeseed & Mustard					✓	
5	Taramira					✓	

Source: Commissionerate of Agriculture, Rajasthan - Jaipur

5	Farm output price of major crops	Sl. No.	Crop Name	Price(Rs. per quintal)			Average Price
				Oct	Nov	Dec	
1	Wheat (Sriganganagar)	1844.08	1861.14	1878.57	1855.13		
2	Barley (Jaipur)	1630.39	1628.12	1615.12	1624.42		
3	Gram (Bikaner)	3786.87	3719.80	3692.36	3742.11		
4	Rapeseed & Mustard (Bharatpur)	3903.26	4150.90	4265.76	3992.62		
5	Taramira (Sriganganagar)	4248.67	4156.00	4862.50	4414.91		

Note: Consider major Producing market ; Source: <http://agmarknet.gov.in>

6	Seed availability in the local market for major crops (✓)	Sl. No.	Crop Name	Adequate	Shortage
		1	Wheat	✓	
2	Barley	✓			
3	Gram	✓			
4	Rapeseed & Mustard	✓			
5	Taramira	✓			

Reason for shortage of seed in the local market

Suggestions to overcome the shortage



Source: Field surveys, Cost of Cultivation Scheme, Rajasthan					
7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Wheat	30-35	
		2	Barley	30	
		3	Gram	70	
		4	Rapeseed & Mustard	50-70	400
5	Taramira	70			
Remarks:					
Source: Field surveys, Cost of Cultivation Scheme, Rajasthan					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea		√
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
Reason for shortage of chemical fertilizer in the local market			Suggestions to overcome the shortage		
Due to early sowing of rabi crops and proper supply urea not being at local level			Should be improve the distribution system		
Source: Field surveys, Cost of Cultivation Scheme, Rajasthan					
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	5.92	
		2	DAP	29.0	
		3	SSP	6.0	
		4	Others (MoP)	18.0	
Source: Field surveys, Cost of Cultivation Scheme, Rajasthan					
10	Availability of agricultural labour (√)	Easily available		Shortage	
		√			
Source: Field surveys, Cost of Cultivation Scheme, Rajasthan					
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		300-350		200-250	
Source: Field surveys, Cost of Cultivation Scheme, Rajasthan					
12	Availability of institutional credit for agriculture in the State (Qtr ended March 2018)	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		113461.72		21933.90	
Reason for less achievement against the target			Suggestions to overcome the shortage		
-			-		
Source: State Level Banker's Committee, Rajasthan					
13	Electricity availability for irrigation pump sets (number of hours per day)			5-6	
Suggestion for improvement on more accuracy in electricity: Nil					
Source: Agriculture Supervisors, Dept. of Agriculture, GoR, Rajasthan					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
		√			
Reason for the shortage			Suggestions to overcome the shortage		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
		√			
16	Remarks and observations				

NA - implies Not Available

### Agro-Economic Research Centre, Allahabad, Uttara Pradesh

Name of AERC: Allahabad

State: Uttar Pradesh

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) Oct 2018 to Dec 2018	Actual	Normal				
		2.6	44.8				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		19	75				
<b>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</b>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Wheat	90.32	99.18		
		2	Gram	5.72	5.80		
		3	Masoor	4.49	4.50		
		4	Pea	5.73	6.10		
		5	Mustard	7.87	7.45		
<b>Note: Top 5 major crops considering Gross cropped area</b>							
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Wheat			√	
		2	Gram			√	
		3	Masoor			√	
		4	Pea			√	
		5	Mustard			√	
5	Farm output price of major crops	Sl. No.	Crop Name	Price(Rs. per quintal)			Average Price
				October	November	December	
		1	Wheat	Not Harvested	Not Harvested	Not Harvested	--
		2	Gram	Not Harvested	Not Harvested	Not Harvested	--
		3	Masoor	Not Harvested	Not Harvested	Not Harvested	--
		4	Pea	Not Harvested	Not Harvested	Not Harvested	--
5	Mustard	Not Harvested	Not Harvested	Not Harvested	--		
<b>Note: Consider major Producing market</b>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Wheat	√			
		2	Gram	√			
		3	Masoor	√			
		4	Pea	√			
		5	Mustard	√			
<b>Reason for shortage of seed in the local market</b>			<b>Suggestions to overcome the shortage</b>				
-			-				

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				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
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
-			-		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	6.50 - 8.00	
		2	DAP	23.00 - 25.00	
		3	SSP	9.00 - 10.00	
		4	Others	12.00 - 18.00	
10	Availability of agricultural labour (√)	Easily available		Shortage	
		√			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		250 - 300		175 - 250	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		70598.36		20891.99	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
-		-			
13	Electricity availability for irrigation pump sets (number of hours per day)			18 - 20	
<b>Suggestion for improvement on more accuracy in electricity:</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
		√			
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
-		-			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
		√			
16	Remarks and observations	1. Information from Sr. No. 1 to 4 have been collected from Directorate of Agriculture, U.P., Lucknow.			
		2. The availability of institutional credit for agriculture (Crop loan & KCC) in U.P. has also been collected from Directorate of Agriculture U.P., Lucknow.			
		3. Apart from these most of information have been collected from the farmers of Allahabad district.			
		4. The prices of fertilizers in open markets were much higher than that of cooperative stores.			
		5. The information of availability for Institutional credit for agriculture (Crop loan & KCC) in the State is upto 30/11/2018			
		6. Electricity availability for irrigation pump sets was very irregular across the state.			
		7. Information of area covered under major crops is upto 21/12/2018.			
		8. Break-up of Number of Districts received deficit rainfall in U.P. deficient -01, Highly deficient -02, Scanty-17, Excess-0, Normal-02 and No Rain-53.			

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

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		9.6	41.2				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		19	20*				
<i>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</i>							
3	Area covered under major crops**	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Wheat	34.92	34.80		
		2	Paddy	30.42	29.00		
		3	Cotton	2.84	4.00		
		4	Maize	1.24	1.50		
		5	Sugarcane	1.05	1.00		
<i>Note: Top 5 major crops considering Gross cropped area</i>							
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Wheat	-	-	√	-
		2	Paddy	-	-	-	-
		3	Cotton	-	-	√	-
		4	Maize	-	-	√	-
		5	Sugarcane	-	-	√	-
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Wheat	1770	1785	1850	1800
		2	Paddy	1770	1770	1770	1770
		3	Cotton	5150	5300-5500	5200-5400	5270
		4	Maize	950-1400	1520-1700	1700-1850	1550
5	Sugarcane	310	310	310	310		
<i>Note: Consider major producing market</i>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Wheat	√	-		
		2	Paddy	-	-		
		3	Cotton	-	-		
		4	Maize	-	-		
		5	Sugarcane	-	--		
<i>Reason for shortage of seed in the local market</i>			<i>Suggestions to overcome the shortage</i>				
NA			-				

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Wheat	30	30
		2	Paddy	-	-
		3	Cotton	-	-
		4	Maize	-	-
		5	Sugarcane	-	-
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	-
		2	DAP	√	-
		3	SSP	√	-
		4	Others	√	-
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
NA					
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	5.90	
		2	DAP	25.80	
		3	SSP	19.60	
		4	Others (Zinc)	33%- 60 Rs. 21%- 30 Rs.	
10	Availability of agricultural labour (√)	Easily available		Shortage	
		√			
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
Harvesting of paddy crop and sowing of wheat crop during this quarter		Mono-culture needs to be discouraged in favour of diversified cropping pattern in the state.			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		350		220-250	
12	Availability of institutional credit for agriculture in the State***	Target (Rs. in Lakhs)		Achievement (Rs. in Lakhs)	
		6025054		4363830	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
To avoid over financing in agriculture				-	
13	Electricity availability for irrigation pump sets (number of hours per day)			6 - 8	
<b>Suggestion for improvement on more accuracy in electricity: Available as per requirement</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
		√			
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
NA				-	
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
				√	
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
Production constraint in case of FYM		For other organic options production can be increased targeting the demand			
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: Himachal Pradesh

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status	
1	Average Rainfall (mm)	Actual	Normal
		56.4	108.2

Source: Meteorological Centre, Shimla Himachal Pradesh

2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts
		11	12

Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%

Source: Meteorological Centre, Shimla Himachal Pradesh

3	Area covered under major crops	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted area (Lakh ha)
		1	Wheat	3.53	3.6
2	Barley	0.191	0.195		
3	Pulses	0.124	0.125		

Note: Top 5 major crops considering Gross cropped area

Source: Directorate of Agriculture, Government of Himachal Pradesh

4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Wheat			√	
2	Barley					√	
3	Pulses					√	

Source: Directorate of Agriculture, Government of Himachal Pradesh

5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
1	Wheat	1600	1600	1600	1600		
2	Barley	1500	1500	1500	1500		
3	Pulses	8000	8000	8000	8000		

Note: Consider major Producing market

Source: Local Markets

6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage
		1	Wheat	√	
2	Barley	√			
3	Pulses	√			

Reason for shortage of seed in the local market

Suggestions to overcome the shortage

No shortage reported

Source: Directorate of Agriculture, Government of Himachal Pradesh

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
1	Wheat	16.00			
2	Barley	15.00			
3	Pulses	80.00			

Source: Directorate of Agriculture, Government of Himachal Pradesh

8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage	
		1	Urea	√		
		2	DAP	Not used in H.P		
		3	SSP	√		
		4	Others			
			(i)	NPK (12:32:16)	√	
			(ii)	MOP	√	
		(iii)	NPK 15:15:15 RCF	√		
<i>Reason for shortage of chemical fertilizer in the local market</i>			<i>Suggestions to overcome the shortage</i>			
-			No shortage reported			
<i>Source: Directorate of Agriculture, Government of Himachal Pradesh</i>						
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)		
		1	Urea	14.75		
		2	DAP	-		
		3	SSP	10.58		
		4	Others			
			(i)	NPK (12:32:16)	20.22	
			(ii)	MOP	12.48	
		(iii)	NPK 15:15:15 RCF	16.74		
<i>Source: Directorate of Agriculture, Government of Himachal Pradesh</i>						
10	Availability of agricultural labour (√)	Easily available		Shortage		
		√				
		<i>Reason for shortage of agricultural labour</i>		<i>Suggestions to overcome the shortage</i>		
-		No Shortage reported				
<i>Source: Directorate of Agriculture, Government of Himachal Pradesh</i>						
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female		
		240		240		
<i>Source: Directorate of Agriculture, Government of Himachal Pradesh</i>						
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)		
		5348.48		3339.66		
		<i>Reason for less achievement against the target</i>		<i>Suggestions to overcome the shortage</i>		
-		No shortage reported				
<i>Source: Agenda Papers Review Data Sept. 2018 (150th SLBC meeting of Shimla) published by UCO Bank.</i>						
13	Electricity availability for irrigation pump sets (number of hours per day)			24		
<i>Suggestion for improvement on more accuracy in electricity:</i>						
<i>Source: H.P. State Electricity Board</i>						
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage		
		√				
		<i>Reason for the shortage</i>		<i>Suggestions to overcome the shortage</i>		
-		No shortage reported				
<i>Source: Directorate of Agriculture, Government of Himachal Pradesh</i>						
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage		
		√				
<i>Source: Directorate of Agriculture, Government of Himachal Pradesh</i>						
16	Remarks and observations	There is 20% net irrigated 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 in the state	No. of districts with deficit rainfall	Total number of districts				
		17	30				
<b>Note:</b> Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%; Source: Data from Department of Agriculture, GOK							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	0.117	0.23		
		2	Maize	0.814	1.05		
		3	Groundnut	0.72	0.71		
		4	Sunflower	0.63	1.86		
		5	Bengal gram	12.38	12.18		
<b>Note:</b> Top 5 major crops considering Gross cropped area; Source: Data from Department of Agriculture, GOK							
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Paddy		√		
		2	Maize		√		
		3	Groundnut				√
		4	Sunflower				√
		5	Bengal gram				√
<b>Source:</b> Data from Department of Agriculture, GOK							
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Paddy	1636	1706	1896	1746
		2	Maize	1443	1432.7	1573	1482.9
		3	Groundnut	4416	4817	4489.7	4574
		4	Sunflower	3766	3695	3760	3763.7
5	Bengal gram	5482.7	5783.3	6316.7	5860.9		
<b>Note:</b> Consider major Producing market ; <b>Source:</b> agmarknet.nic.in							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Paddy	√			
		2	Maize	√			
		3	Groundnut	√			
		4	Sunflower	√			
		5	Bengal gram	√			
<b>Reason for shortage of seed in the local market</b>			<b>Suggestions to overcome the shortage</b>				
-			-				



7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Paddy	32.75	82.50
		2	Maize	30.00	183.00
		3	Groundnut	88.00	
		4	Sunflower	120.00	215.00
		5	Bengal gram	57.00	

Source: Data from Department of Agriculture, GOK

8	Chemical Fertilizer (NPK) availability in the local market (/)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		

9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)
		1	Urea	5.9
		2	DAP	29.7
		3	SSP	9.0
		4	Others	-

Source: Data from Department of Agriculture, GOK

10	Availability of agricultural labour (/)	Easily available	Shortage
			√
<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
They prefer to move to urban areas for jobs to get better income		Increase the wage rates for agriculture works	

11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female
		303.98	303.98

Source: labour.kar.nic.in

12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)	Achievement (Rs. in Crore)
		98655	36874
<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	

Note: data pertains up to September 2018, Source: SLBC, Karnataka

13	Electricity availability for irrigation pump sets (number of hours per day)	4 to 6
<b>Suggestion for improvement on more accuracy in electricity:</b>		
Source: Data from Department of Agriculture, GOK		

14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage
		√	
<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	

Source: Data from Department of Agriculture, GOK

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage
		√	

Source: Data from Department of Agriculture, GOK

16	Remarks and observations

NA implies Not Available

### Agro-Economic Research Centre, Madras University, Tamil Nadu

Name of AERC: Chennai

State: Tamil Nadu

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status	
1	Average Rainfall (mm)	Actual	Normal
		335.1	437.0

*Source: Commissionerate of Agriculture, Chennai 5, Tamil Nadu*

2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts
		16	32

*Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%*  
*Source: Commissionerate of Agriculture, Chennai 5, Tamil Nadu*

3	Area covered under major crops	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted area (Lakh ha)
		1	Paddy	8.203	12.780
2	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		

*Note: Top 5 major crops considering Gross cropped area; Source: Commissionerate of Agriculture, Chennai 5, Tamil Nadu*

4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Paddy			√	
2	Millets		√				
3	Cotton			√			
4	Oil Seeds - Groundnut			√			
5	Sugarcane			√			

*Source: Commissionerate of Agriculture, Chennai 5, Tamil Nadu*

5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
1	Paddy	1671.91	1567.75	1548.62	1500-2100		
2	Millets	1287	1329	1407	1000-1800		
3	Cotton	4695	4374	4196	4500-6000		
4	Oil Seeds - Groundnut	4225	4643	3424	4500		
5	Sugarcane	2750	2750	2750	2750		

*Note: Consider major Producing market ; Source: Commissionerate of Agriculture, Chennai 5, Tamil Nadu*

6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage
		1	Paddy	√	
2	Millets	√			
3	Cotton	√			
4	Oil Seeds - Groundnut	√			
5	Sugarcane	√			

*Source: Commissionerate of Agriculture, Chennai 5, Tamil Nadu*

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)			
				Local variety	Hybrid variety		
		1	Groundnut	Rs. 55	NA		
		2	Paddy	Rs. 40	NA		
		3	Cotton	Rs. 600 Per 450 Grams	Rs. 740 per 450 Grams		
		4	Pulses	Rs. 85	NA		
<b>Remarks:</b> Farmers prefers Hybrid Variety than the Local Variety; <b>Source:</b> Commissionarate of Agriculture, Chennai 5, Tamil Nadu							
8	Chemical Fertilizer (NPK) availability in the local market (✓)	Sl. No.	Fertilizers	Adequate	Shortage		
		1	Urea	✓			
		2	DAP	✓			
		3	SSP	✓			
		4	Others	✓			
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>				
<b>Source:</b> Commissionarate of Agriculture, Chennai 5, Tamil Nadu							
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)			
		1	Urea (Neem Coated)	6			
		2	DAP	26 - 29			
		3	SSP	8.50			
		4	Others	11.00 (MOP) & 23.00 (Complex)			
<b>Source:</b> Commissionarate of Agriculture, Chennai 5, Tamil Nadu							
10	Availability of agricultural labour (✓)	Easily available		Shortage			
				✓			
		<b>Reason for shortage of agricultural labour</b>			<b>Suggestions to overcome the shortage</b>		
		There is a massive shift of labour from agricultural sector to MGNREGA Scheme in the state, backed by the higher wage and lesser workload under the MGNREGA Scheme.			Agricultural Mechanization is needed		
<b>Source:</b> Commissionarate of Agriculture, Chennai 5, Tamil Nadu							
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female			
		280 to 350		120 to 150			
<b>Source:</b> Commissionarate of Agriculture, Chennai 5, Tamil Nadu							
12	Availability of institutional credit for agriculture in the State (Up to Mar 2018)	Target (Rs. in Crore)		Achievement (Rs. in Crore)			
		61161.71		61539.84			
		<b>Reason for less achievement against the target</b>			<b>Suggestions to overcome the shortage</b>		
NA			NA				
<b>Source:</b> Commissionarate of Agriculture (SLBC - State Level Bank Committee), Chennai 5, Tamil Nadu							
13	Electricity availability for irrigation pump sets (number of hours per day)	Adequate/Full Day					
<b>Suggestion for improvement on more accuracy in electricity:</b> To improve technical irrigation system like Drip Irrigation and Sprinkler Irrigation.							
<b>Source:</b> Commissionarate of Agriculture, (TANGEDCO), Chennai 5, Tamil Nadu							
14	Availability of farm machinery for timely sowing, harvesting and other operations (✓)	Easily available		Shortage			
		✓					
<b>Source:</b> Commissionarate of Agriculture, (Agriculture Engineering Department), Chennai 5, Tamil Nadu							
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (✓)	Adequate		Shortage			
		✓					
<b>Source:</b> Commissionarate of Agriculture, (Agriculture Engineering Department), Chennai 5, Tamil Nadu							
16	Remarks and observations	During the average rainfall 16 districts received deficit rainfall this is a major problem in the State.					

NA - implies Not Available **Source:** Commissionarate of Agriculture, Chennai 5, Tamil Nadu

### Agro-Economic Research Centre, JNKVV, Jabalpur, MP

Name of AERC: Jabalpur

State: Chhattisgarh

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status	
1	Average Rainfall (mm)	Actual	Normal
		3.2	131.5

Source: Department of Agriculture Cooperation &amp; Farmers Welfare. Chhattisgarh

2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts
		0	27

Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%

3	Area covered under major crops	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted area (Lakh ha)
		1	Gram	3.51	4.26
2	Lathyrus	2.51	3.23		
3	Wheat	1.35	1.90		
4	Mustard	1.33	1.76		
5	Maize	0.44	0.97		

Note: Top 5 major crops considering Gross Cropped Area; Source: Department of Agriculture Cooperation & Farmers Welfare. Chhattisgarh

4	Incidence of major pests and diseases in major crops (√)	Sl.No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Gram			√	
2	Lathyrus					√	
3	Wheat					√	
4	Mustard					√	
5	Maize					√	

Source: Department of Agriculture Cooperation &amp; Farmers Welfare. Chhattisgarh

5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
1	Gram					4200	
2	Lathyrus					4000	
3	Wheat					3000	
4	Mustard					3600	
5	Maize					1430	

Note: Consider major Producing market ; Source: Department of Agriculture Cooperation & Farmers Welfare. Chhattisgarh

6	Seed availability in the local market for major crops (√)	Sl.No.	Crop Name	Adequate	Shortage
		1	Gram	√	
2	Lathyrus	√			
3	Wheat	√			
4	Mustard	√			
5	Maize	√			

Reason for shortage of seed in the local market

Suggestions to overcome the shortage

Source: Department of Agriculture Cooperation &amp; Farmers Welfare. Chhattisgarh

7	Prevailing market price of seed (certified) of major crops	Sl.No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Gram	42	
		2	Lathyrus	55	
		3	Wheat	30	
		4	Mustard	45	
		5	Maize	25	260

Source: Department of Agriculture Cooperation & Farmers Welfare. Chhattisgarh

8	Chemical Fertilizer( NPK) availability in the local market (√)	Sl.No.	Fertilizers	Adequate	Shortage
				1	Urea
		2	DAP	√	
		3	SSP	√	
		4	Others (12:32:16)	√	

Reason for shortage of chemical fertilizer in the local market

Suggestions to overcome the shortage

Source: Department of Agriculture Cooperation & Farmers Welfare. Chhattisgarh

9	Prevailing market price of fertilizer	Sl.No.	Fertilizers	Price (Rs. per kg)
				1
		2	DAP	24.88
		3	SSP	6.86
		4	Others (12:32:16)	22.78

Source: Department of Agriculture Cooperation & Farmers Welfare. Chhattisgarh

10	Availability of agricultural labour (√)	Easily available	Shortage
		√	
Reason for shortage of agricultural labour		Suggestions to overcome the shortage	

11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female
		325	325

Source: Department of Agriculture Cooperation & Farmers Welfare. Chhattisgarh

12	Availability of institutional credit for agriculture in the State ;	Target (Rs. in Crore)	Achievement (Rs. in Crore)
		Kharif- 3200 Rabi- 600	3164.04 382.56

Reason for less achievement against the target

Suggestions to overcome the shortage

Source: Department of Agriculture Cooperation & Farmers Welfare. Chhattisgarh

13	Electricity availability for irrigation pump sets (number of hours per day)	24
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Suggestion for improvement on more accuracy in electricity:

14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage
		√	

Reason for the shortage

Suggestions to overcome the shortage

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage
			√

Reason for the shortage

Suggestions to overcome the shortage

Non Availability

16	Remarks and observations
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NA implies Not Available

### Agro-Economic Research Centre, Jabalpur, Madhya Pradesh

Name of AERC: Jabalpur

State: Madhya Pradesh

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status	
1	Average Rainfall (mm)	Actual	Normal
		1.7	45.2

Source: www.imd.gov.in

2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts
		00	51

Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%

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	36.50		
3	Mustard	7.57	8.00		
4	Lentil	5.14	6.00		
5	Peas	2.27	5.00		

Note: Top 5 major crops considering Gross cropped area

Source: Department of Farmers' Welfare and Agriculture Development, Madhya Pradesh

4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Wheat			√	
2	Gram			√			
3	Mustard				√		
4	Lentil				√		
5	Peas				√		

5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
1	Wheat	1904	1842	1953	1900		
2	Gram	3599	3754	3791	3715		
3	Mustard	3802	3593	3517	3637		
4	Lentil	3228	3320	3394	3314		
5	Peas	3099	3184	3125	3136		

Note: Consider major producing market;

Source: www.agmarknet.gov.in

6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage
		1	Wheat	√	
2	Gram	√			
3	Mustard	√			
4	Lentil	√			
5	Peas	√			

Reason for shortage of seed in the local market

Suggestions to overcome the shortage

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Wheat	33 - 37.50	-
		2	Gram	63-65	-
		3	Mustard	58-60	-
		4	Lentil	59-64	-
		5	Peas	38-44	220
<i>Remarks: www.mprishi.org</i> <i>Source: Department of Farmers' Welfare and Agriculture Development, Madhya Pradesh</i>					
8	Chemical Fertilizer (NPK) availability in the local market (✓)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	✓	
		2	DAP	✓	
		3	SSP	✓	
		4	Others(12:32:16)	✓	
<i>Reason for shortage of chemical fertilizer in the local market</i>			<i>Suggestions to overcome the shortage</i>		
-			-		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (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 (✓)	Easily available		Shortage	
		✓			
		<i>Reason for shortage of agricultural labour</i>		<i>Suggestions to overcome the shortage</i>	
-		-		-	
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		250-300		180-200	
12	Availability of institutional credit for agriculture in the State (As on 20.08.2018)	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		1,09,264		20,644	
		<i>Reason for less achievement against the target</i>		<i>Suggestions to overcome the shortage</i>	
-		-		-	
<i>Source: SLBC, MP</i>					
13	Electricity availability for irrigation pump sets (number of hours per day)			8	
<i>Suggestion for improvement on more accuracy in electricity:</i>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (✓)	Easily available		Shortage	
		✓			
		<i>Reason for the shortage</i>		<i>Suggestions to overcome the shortage</i>	
-		-		-	
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (✓)	Adequate		Shortage	
				✓	
		<i>Reason for the shortage</i>		<i>Suggestions to overcome the shortage</i>	
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	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		22.0		77.5			
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall		Total number of districts			
		32		38			
<i>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</i>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)		
		1	Wheat	21.00	23.25		
		2	Maize	4.23	4.25		
		3	Gram	0.95	1.15		
		4	Lentil	1.98	2.20		
		5	Rai/Mustard	1.00	1.26		
<i>Note: Top 5 major crops considering Gross Cropped Area</i>							
4	Incidence of major pests and diseases in major crops (√)	Sl. No.	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. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Rice (Medium)	3000	3000	2900	2967
		2	Wheat	1800	1800	1900	1833
		3	Maize	1000	1000	1050	1017
		4	Gram	4500	4500	4600	4533
5	Lentil	4500	4600	4600	4567		
<i>Note: Considering the major markets</i>							
6	Seed availability in the local market for major crops (√)	Sl.No.	Crop Name	Adequate	Shortage		
		1	Whet	√			
		2	Maize	√			
		3	Gram	√			
		4	Lentil	√			
		5	Rai/Mustard	√			
<i>Reason for shortage of seed in the local market</i>				<i>Suggestions to overcome the shortage</i>			
NA				NA			



7	Prevailing market price of seed (certified) of major crops	Sl.No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Wheat	20	25
		2	Maize (Hybrid)	15	350
		3	Gram	45	55
		4	Lentil	---	50
		5	Rai/Mustard	---	75
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl.No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
-			-		
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	6.00	
		2	DAP	26.00	
		3	SSP	9.00	
		4	MoP	13.00	
10	Availability of agricultural labour (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
Migration due to lower wages paid to agricultural labour.		Check on migration by way of paying prescribed wage rates to agricultural labour.			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		250		175	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		60,000 (Annual)		40,000 (Approx)	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
-		-		-	
13	Electricity availability for irrigation pump sets (number of hours per day)	14 - 15			
<b>Suggestion for improvement on more accuracy in electricity:</b> It may be enhanced after installation of separate agricultural feeder, which is likely to be commenced after March, 2019 in some of the selected districts.					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
Absence of Farm Machinery custom hiring		Farm Mechanization Banks should be established at least at PACCS level.			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
		√			
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
NA		NA			
16	Remarks and observations	Out of 534 tehsils/blocks, 275 tehsils/blocks have been declared drought affected by the Government of Bihar.			

NA implies Not Available

**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	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		<b>55.8</b>	<b>91.6</b>				
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts				
		<b>12</b>	<b>24</b>				
<i>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</i>							
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Wheat	<b>1.92</b>	<b>2.45</b>		
		2	Maize	<b>0.20</b>	<b>0.30</b>		
		3	Gram	<b>1.90</b>	<b>2.50</b>		
		4	Lentil	<b>0.75</b>	<b>0.80</b>		
		5	Rai/Mustard	<b>2.75</b>	<b>3.15</b>		
<i>Note: Top 5 major crops considering Gross cropped area</i>							
4	Incidence of major pests and diseases in major crops (√)	Sl. No.	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. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Rice (Medium)	<b>2500</b>	<b>2600</b>	<b>2500</b>	<b>2533</b>
		2	Wheat	<b>1800</b>	<b>1800</b>	<b>1800</b>	<b>1800</b>
		3	Maize	<b>900</b>	<b>950</b>	<b>950</b>	<b>933</b>
		4	Gram	<b>4500</b>	<b>4600</b>	<b>4600</b>	<b>4567</b>
5	Lentil	<b>5200</b>	<b>5200</b>	<b>5300</b>	<b>5233</b>		
<i>Note: Consider major Producing market</i>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Wheat	√			
		2	Maize	√			
		3	Gram	√			
		4	Lentil	√			
		5	Rai/Mustard	√			
<i>Reason for shortage of seed in the local market</i>				<i>Suggestions to overcome the shortage</i>			
NA				NA			

7	Prevailing market price of seed (certified) of major crops	Sl.No.	Crop Name	Price (Rs. per kg)			
				Local variety	Hybrid variety		
		1	Wheat	17	25		
		2	Maize (Local)	10	350		
		3	Gram	55	---		
		4	Lentil	50	---		
		5	Rai/Mustard	70	---		
<b>Remarks:</b>							
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl.No.	Fertilizers	Adequate	Shortage		
		1	Urea	√			
		2	DAP	√			
		3	SSP	√			
		4	Others	√			
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>				
NA			NA				
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers	Price (Rs. per kg)			
		1	Urea	6.50			
		2	DAP	25.00			
		3	SSP	17.00			
		4	MoP	15.00			
10	Availability of agricultural labour (√)	Easily available		Shortage			
				√			
		<b>Reason for shortage of agricultural labour</b>			<b>Suggestions to overcome the shortage</b>		
		Rural Migration			Prescribed wage rates should be ensured.		
11	Prevailing wage rate for casual labour in agriculture (Rs/day)	Male		Female			
		250		175			
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)		Achievement (Rs. crore)			
		8336.6 (Annual)		3787.6			
		<b>Reason for less achievement against the target</b>			<b>Suggestions to overcome the shortage</b>		
-			-				
13	Electricity availability for irrigation pump sets (number of hours per day)	12 - 14					
<b>Suggestion for improvement on more accuracy in electricity:</b>							
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage			
				√			
		<b>Reason for the shortage</b>			<b>Suggestions to overcome the shortage</b>		
		Non-availability of FMBs.			FMBs should be established at LAMPs/PACCS levels.		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage			
		√					
		<b>Reason for the shortage</b>			<b>Suggestions to overcome the shortage</b>		
		NA			NA		
16	Remarks and observations						

NA implies Not Available

**Agro-Economic Research Centre, Assam Agricultural University, Jorhat, Assam**

Name of AERC: Jorhat

State: Assam

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		118.9		168.5			
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall		Total number of districts			
		24		27			
<i>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</i>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)		
		1	Winter Paddy	18.91	19.35		
		2	Summer Paddy	4.16	5.90		
		3	Pulses	1.48	2.25		
		4	Mustard	2.81	3.50		
		5	Sugarcane	0.31	0.50		
<i>Note: Top 5 major crops considering Gross Cropped Area</i>							
4	Incidence of major pests and diseases in major crops (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Winter Paddy		√		
		2	Summer Paddy		√		
		3	Pulses		√		
		4	Mustard		√		
		5	Sugarcane		√		
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Winter Paddy	1450.00	1420.00	1420.00	1430.00
		2	Summer paddy	1375.00	1350.00	1350.00	1358.33
		3	Pulses	3725.00	3700.00	3700.00	3708.33
		4	Mustard	3300.00	3310.00	3310.00	3306.67
5	Sugarcane	240.00	240.00	240.00	240.00		
<i>Note: Considering the major markets dealing with the crops under reference</i>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Winter Paddy	√			
		2	Summer paddy	√			
		3	Pulses	√			
		4	Mustard	√			
		5	Sugarcane	√			
7	Prevailing market price of seed (certified) of major crops	Sl.No.	Crop Name	Price (Rs. per kg)			
				Local variety	Hybrid variety		
		1	Winter Paddy	38.00-50.00	70.00-120.00		
		2	Summer paddy	50.00-65.00	80.00-125.00		
		3	Pulses	50.00-60.00	70.00-85.00		
		4	Mustard	50.00-70.00	70.00-110.00		
5	Sugarcane	26.00-34.00					
<i>Remarks:</i>							

8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl.No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (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		Shortage	
				√	
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
<i>Migration of labour from agriculture sector to other economic activities for better livelihood.</i>		<i>Increase in the wage rates for agricultural workers.</i>			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		300.00		180.00	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		13867.71		2488.24	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
<i>Financial institutions are not willing to disburse credit due to less repayment and mishandling of the loan</i>		<i>Arrange awareness camp among the farmers about guidelines and benefits of agricultural credit system</i>			
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
<b>Suggestion for improvement on more accuracy in electricity:</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage</b>		<b>Suggestions to overcome the shortage</b>	
<i>Small size of majority of farms, lack of facilities of repair and scarcity of trained personnel etc are the main reasons of shortage of farm machinery</i>		<i>Establishment of farm machinery dealers (Sales &amp; Service) at block level under supervision of State Govt.</i>			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
				√	
		<b>Reason for shortage</b>		<b>Suggestions to overcome the shortage</b>	
<i>Producers and investors faced inadequate, inconsistent and seasonal nature of demand resulting in low production</i>		<i>To develop marketing facility and encourage private enterprise</i>			
16	Remarks and observations				

NA implies Not Available

**Agro-Economic Research Centre, Assam Agricultural University, Jorhat, Assam**

Name of AERC: Jorhat

State: Arunachal Pradesh

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		102.2	161.8				
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts				
		13	16				
<b>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</b>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)		
		1	Paddy	1.30	1.50		
		2	Oilseeds	0.34	0.40		
		3	Pulses	0.10	0.50		
		4	Maize	0.47	0.53		
		5	Sugarcane	0.02	0.03		
<b>Note: Top 5 major crops considering Gross Cropped Area</b>							
4	Incidence of major pests and diseases in major crops (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Paddy		√		
		2	Oilseeds		√		
		3	Pulses		√		
		4	Maize		√		
		5	Sugarcane		√		
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Paddy	1450.00	1430.00	1430.00	1436.67
		2	Oilseeds	3500.00	3500.00	3500.00	3500.00
		3	Pulses	3660.00	3650.00	3650.00	3653.33
		4	Maize	1300.00	1300.00	1300.00	1300.00
5	Sugarcane	243.00	240.00	240.00	241.00		
<b>Note: Considering the major markets dealing with the crops under reference</b>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Paddy	√			
		2	Oilseeds	√			
		3	Pulses	√			
		4	Maize	√			
		5	Sugarcane	√			
<b>Reason for shortage of seed in the local market</b>			<b>Suggestions to overcome the shortage</b>				

7	Prevailing market price of seed (certified) of major crops	Sl.No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Paddy	36.00-50.00	70.00-110.00
		2	Oilseeds	55.00-80.00	70.00-105.00
		3	Pulses	58.00-75.00	75.00-100.00
		4	Maize	30.00-50.00	48.00-60.00
		5	Sugarcane	25.00-34.00	
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
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 available		Shortage	
				√	
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
<i>Migration of labour from rural to urban and metro cities of India for better livelihood is a pertinent issue.</i>		<i>Agricultural labourers must get reasonable wages so that they can support their families</i>			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		280.00		190.00	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		NA		NA	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
<b>Suggestion for improvement on more accuracy in electricity:</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
<i>Lack of purchasing power of small and marginal groups of farmers.</i>		<i>Govt. can introduce different programmes to supply of farm machinery to the farmers at subsidized rate.</i>			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
				√	
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
<i>Low production of organic manure, farm-yard manure, vermi- compost, bio-fertilizer etc.</i>		<i>Govt. can adopt new policy measure to ensure availability of organic manure &amp; bio-fertilizer</i>			
16	Remarks and observations				

NA implies Not Available

### Agro-Economic Research Centre, Assam Agricultural University, Jorhat, Assam

Name of AERC: Jorhat

State: Meghalaya

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		142.05	192.01				
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts				
		5	7				
<b>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</b>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted 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	Pulses	0.08	0.14		
<b>Note: Top 5 major crops considering Gross Cropped Area</b>							
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	Jute		√		
		4	Oilseeds		√		
		5	Pulses		√		
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Paddy	1420.00	1400.00	1400.00	1406.67
		2	Maize	1300.00	1300.00	1300.00	1300.00
		3	Jute	2700.00	2700.00	2700.00	2700.00
		4	Oilseeds	3500.00	3500.00	3515.00	3505.00
5	Pulses	3650.00	3600.00	3600.00	3616.67		
<b>Note: Considering the major markets dealing with the crops under reference</b>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Paddy	√			
		2	Maize	√			
		3	Jute	√			
		4	Oilseeds	√			
		5	Pulses	√			
<b>Reason for shortage of seed in the local market</b>			<b>Suggestions to overcome the shortage</b>				



7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	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
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	8.00	
		2	DAP	24.00	
		3	SSP	8.00	
		4	Others	6.50-12.00	
10	Availability of agricultural labour (√)	Easily available		Shortage	
				√	
<b>Reason for shortage of agricultural labour</b>			<b>Suggestions to overcome the shortage</b>		
<i>In hilly state demand of manual labour is very high as compared to a plain state in all agricultural operations</i>			<i>Mechanization of some selected activities can mitigate the shortage of labour</i>		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		300		220	
12	Availability of institutional credit for agriculture in the State (Annual)	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		2247.34		202.01	
<b>Reason for less achievement against the target</b>			<b>Suggestions to overcome the shortage</b>		
<i>The lending procedure of financial institution is not farmers friendly</i>			<i>Administrative difficulties faced by the farmers at the time of acquiring loan should be minimized</i>		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
<b>Suggestion for improvement on more accuracy in electricity:</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
<b>Reason for shortage</b>			<b>Suggestions to overcome the shortage</b>		
<i>Farmers are not willing to purchase the high priced farm machinery.</i>			<i>The State Govt. can come forward to provide implements and machinery at subsidized rate</i>		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
				√	
<b>Reason for the shortage</b>			<b>Suggestions to overcome the shortage</b>		
<i>Farmers' lack of interest and awareness in using of vermin-compost, bio-fertilizer etc.</i>			<i>Govt. can encourage the farmers and take up some programmes for production of organic manure and bio-fertilizers.</i>		
16	Remarks and observations	NA			

NA implies Not Available

**Agro-Economic Research Centre, Assam Agricultural University, Jorhat, Assam**

Name of AERC: Jorhat

State: Mizoram

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status	
1	Average Rainfall (mm)	Actual	Normal
		<b>136.98</b>	<b>192.06</b>

2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts
		<b>6</b>	<b>8</b>

**Note:** Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%

3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)
		1	Paddy	<b>0.40</b>	<b>0.62</b>
2	Oilseeds	<b>0.03</b>	<b>0.07</b>		
3	Maize	<b>0.07</b>	<b>0.12</b>		
4	Pulses	<b>0.04</b>	<b>0.10</b>		
5	Sugarcane	<b>0.01</b>	<b>0.03</b>		

**Note:** 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		✓		
2	Oilseeds		✓				
3	Maize		✓				
4	Pulses		✓				
5	Sugarcane		✓				

5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
1	Paddy	<b>1420.00</b>	<b>1410.00</b>	<b>1410.00</b>	<b>1413.33</b>		
2	Oilseeds	<b>3480.00</b>	<b>3500.00</b>	<b>3500.00</b>	<b>3495.00</b>		
3	Maize	<b>1290.00</b>	<b>1300.00</b>	<b>1300.00</b>	<b>1296.67</b>		
4	Pulses	<b>3700.00</b>	<b>3710.00</b>	<b>3720.00</b>	<b>3710.00</b>		
5	Sugarcane	<b>250.00</b>	<b>250.00</b>	<b>250.00</b>	<b>250.00</b>		

**Note:** Considering the major markets dealing with the crops under reference

6	Seed availability in the local market for major crops (✓)	Sl. No.	Crop Name	Adequate	Shortage
		1	Paddy	✓	
2	Oilseeds	✓			
3	Maize	✓			
4	Pulses	✓			
5	Sugarcane	✓			

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Paddy	35.00-45.00	52.00-130.00
		2	Oilseeds	57.00-70.00	75.00-120.00
		3	Maize	26.00-40.00	50.00-65.00
		4	Pulses	62.00-77.00	70.00-100.00
		5	Sugarcane	24.00-33.00	-
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	9.00	
		2	DAP	28.00	
		3	SSP	8.50	
		4	Others	6.00-11.00	
10	Availability of agricultural labour (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
Agriculture is mostly a seasonal venture for which the agricultural labours prefer to shift to other economic activities.		Govt. can adopt initiatives for popularization of multiple cropping system and also raise labour wage.			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		280.00		190.00	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		NA		NA	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
<b>Suggestion for improvement on more accuracy in electricity:</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
Small and marginal groups of farmers cannot afford to purchase all the modern costly machinery.		Govt. should Supply farm machinery to the farmers at subsidized rate.			

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

NA implies Not Available

**Agro-Economic Research Centre, Assam Agricultural University, Jorhat, Assam**

Name of AERC: Jorhat

State: Manipur

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		181.6	256.01				
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts				
		4	9				
<b>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</b>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)		
		1	Paddy	2.40	2.50		
		2	Oilseeds	0.37	0.50		
		3	Maize	0.26	0.32		
		4	Pulses	0.30	0.41		
		5	Sugarcane	0.05	0.06		
<b>Note: Top 5 major crops considering Gross Cropped Area</b>							
4	Incidence of major pests and diseases in major crops (√)	Sl. 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. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Paddy	1420.00	1420.00	1405.00	1415.00
		2	Oilseeds	3500.00	3500.00	3500.00	3500.00
		3	Maize	1280.00	1290.00	1290.00	1286.67
		4	Pulses	3600.00	3600.00	3600.00	3600.00
5	Sugarcane	250.00	245.00	250.00	248.33		
<b>Note: Considering the major markets dealing with the crops under reference</b>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Paddy	√			
		2	Oilseeds	√			
		3	Maize	√			
		4	Pulses	√			
		5	Sugarcane	√			
<b>Reason for shortage of seed in the local market</b>				<b>Suggestions to overcome the shortage</b>			

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Paddy	34.00-47.00	85.00-140.00
		2	Oilseeds	55.00-70.00	75.00-125.00
		3	Maize	26.00-40.00	44.00-55.00
		4	Pulses	60.00-75.00	80.00-105.00
		5	Sugarcane	20.00-28.00	-
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
Reason for shortage of chemical fertilizer in the local market			Suggestions to overcome the shortage		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	8.00	
		2	DAP	23.00	
		3	SSP	8.00	
		4	Others	7.00-13.00	
10	Availability of agricultural labour (√)	Easily available		Shortage	
				√	
		<i>Reason for shortage of agricultural labour</i>		<i>Suggestions to overcome the shortage</i>	
At present agricultural workers prefer to work in other economic sector		It is required to advocate mechanization in agriculture, especially for some selective operations			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		280		200	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		<i>Reason for less achievement against the target</i>		<i>Suggestions to overcome the shortage</i>	
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
<i>Suggestion for improvement on more accuracy in electricity:</i>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<i>Reason for shortage</i>		<i>Suggestions to overcome the shortage</i>	
1. Small and marginal groups who cannot afford to purchase all the modern costly machinery which is a main reason of shortage		1. The use of farm machinery is possible for large areas, for which the practice of cooperative farming, contract farming, etc., are to be resorted to. 2. Custom service facilities may also be created in selected locations.			

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage
			√
<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
<i>Lack of awareness of farmers on availability of organic manure farm, yard manure, vermi- compost, bio-fertilizer etc.</i>		<i>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.</i>	
16	Remarks and observations		

NA implies Not Available

**Agro-Economic Research Centre, Assam Agricultural University, Jorhat, Assam**

Name of AERC: Jorhat

State: Nagaland

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		110.15	164.5				
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts				
		9	11				
<i>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</i>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)		
		1	Paddy	1.89	2.90		
		2	Oilseeds	0.67	0.92		
		3	Pulses	0.37	0.50		
		4	Maize	0.70	0.86		
		5	Sugarcane	0.04	0.09		
<i>Note: Top 5 major crops considering Gross Cropped Area</i>							
4	Incidence of major pests and diseases in major crops (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Paddy		√		
		2	Oilseeds		√		
		3	Pulses		√		
		4	Maize		√		
		5	Sugarcane		√		
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Paddy	1425.00	1390.00	1400.00	1405.00
		2	Oilseeds	3500.00	3500.00	3500.00	3500.00
		3	Pulses	3600.00	3600.00	3600.00	3600.00
		4	Maize	1290.00	1280.00	1280.00	1283.33
5	Sugarcane	240.00	240.00	240.00	240.00		
<i>Note: Considering the major markets dealing with the crops under reference</i>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Paddy	√			
		2	Oilseeds	√			
		3	Pulses	√			
		4	Maize	√			
		5	Sugarcane	√			
<i>Reason for shortage of seed in the local market</i>			<i>Suggestions to overcome the shortage</i>				



7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Paddy	37.00-50.00	80.00-135.00
		2	Oilseeds	60.00-80.00	70.00-110.00
		3	Pulses	60.00-70.00	75.00-90.00
		4	Maize	30.00-42.00	45.00-65.00
		5	Sugarcane	20.00-28.00	
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	8.50	
		2	DAP	20.00	
		3	SSP	7.50	
		4	Others	6.00-14.00	
10	Availability of agricultural labour (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
Low wage of agricultural labours creates the shortage of labour problem		Agricultural labourers must get reasonable wages so that they can support their families			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		290.00		190.00	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		NA		NA	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
NA		NA			
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
<b>Suggestion for improvement on more accuracy in electricity:</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage</b>		<b>Suggestions to overcome the shortage</b>	
Lack of purchasing power of small and marginal groups of farmers.		Govt. can introduce different programmes to supply of farm machinery to the farmers at subsidized rate.			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
				√	
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
Production of organic manure farm-yard manure, vermin- compost, bio-fertilizer is too low		To adopt new policy measures to ensure availability of organic manure and bio-fertilizer through promotion of private entrepreneurship.			
16	Remarks and observations				

NA implies Not Available

Agro-Economic Research Centre, Assam Agricultural University, Jorhat, Assam

Name of AERC: Jorhat

State: Tripura

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		165.53	203.7				
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts				
		3	4				
<b>Note:</b> Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)		
		1	Paddy	2.54	2.75		
		2	Maize	0.05	0.09		
		3	Pulses	0.10	0.13		
		4	Oilseeds	0.07	0.10		
		5	Sugarcane	0.02	0.03		
<b>Note:</b> 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		√		
		2	Maize		√		
		3	Pulses		√		
		4	Oilseeds		√		
		5	Sugarcane		√		
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		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		
<b>Note:</b> Considering the major markets dealing with the crops under reference							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Paddy	√			
		2	Maize	√			
		3	Pulses	√			
		4	Oilseeds	√			
		5	Sugarcane	√			
<b>Reason for shortage of seed in the local market</b>			<b>Suggestions to overcome the shortage</b>				

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Paddy	34.00-56.00	70.00-140.00
		2	Maize	29.00-38.00	40.00-60.00
		3	Pulses	60.00-75.00	78.00-115.00
		4	Oilseeds	60.00-70.00	80.00-110.00
		5	Sugarcane	23.00-30.00	
<b>Remarks:</b>					
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)	
		1	Urea	8	
		2	DAP	21.00	
		3	SSP	7.50	
		4	Others	6.00-14.00	
10	Availability of agricultural labour (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
Migration of labour from rural to urban areas		To reduce the migration problem Govt. can adopt some basic policy initiatives by creating alternative livelihood option			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		280		210	
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
Suggestion for improvement on more accuracy in electricity:					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
				√	
		<b>Reason for shortage</b>		<b>Suggestions to overcome the shortage</b>	
Small and marginal farmers cannot afford to purchase all the modern costly machinery.		Govt. should supply farm machinery to the small & marginal farmers at subsidized rate.			

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

NA implies Not Available

**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	
		Actual	Normal
1	Average Rainfall (mm)	499.6	882.1

Source: Directorate of Agriculture, Govt. of West Bengal

2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts
		15	19

Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%

Source: Directorate of Agriculture, Govt. of West Bengal

3	Area covered under major crops	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted 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

Note: Top 5 major crops considering Gross cropped area

Source: Directorate of Agriculture, Govt. of West Bengal

4	Incidence of major pests and diseases in principal crops sown (✓)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Summer Paddy			✓	
		2	Wheat			✓	
		3	Potato				✓
		4	Mustard			✓	
		5	Lentil				✓

Source: Directorate of Agriculture, Govt. of West Bengal

5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		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		

Note: Consider major producing market

Source: Agmarknet website

6	Seed availability in the local market for major crops (✓)	Sl. No.	Crop Name	Adequate	Shortage
		1	Summer Paddy	✓	
		2	Wheat	✓	
		3	Potato	✓	
		4	Mustard	✓	
		5	Lentil	✓	

Reason for shortage of seed in the local market

Suggestions to overcome the shortage

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)	
				Local variety	Hybrid variety
		1	Summer Paddy		40.00
		2	Wheat		30.00
		3	Potato		32.00
		4	Mustard		48.00
		5	Lentil		55.00

Source: Local Market

8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea		√
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
Reason for shortage of chemical fertilizer in the local market			Suggestions to overcome the shortage		
Inadequate supply			Supply is to be increased		

9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per kg)
		1	Urea	11.00
		2	DAP	28.00
		3	SSP	12.50
		4	Others	20.50

Source- Local Market

10	Availability of agricultural labour (√)	Easily available	Shortage
			√
Reason for shortage of agricultural labour		Suggestions to overcome the shortage	
Due to co-inside of 100 days work with Agril. work		Steps should be taken to implement NREGA before or after sowing and harvesting work	

Source- Local Market

11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female
		225	225

Source- Directorate of Agriculture, Govt. of West Bengal

12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)	Achievement (Rs. in Crore)
		64071	32035
Reason for less achievement against the target		Suggestions to overcome the shortage	
-		-	

Source: UBI, Head Office, Kolkatta

13	Electricity available for irrigation pump sets (No. of hours per day)	NA
Suggestion for improvement on more accuracy in electricity:		

14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage
			√
Reason for the shortage		Suggestions to overcome the shortage	
Availability is less and requirement is at a time		Steps should be taken to increase supply of farm machineries to the farmers	

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage
		√	

Source: Local Market

16	Remarks and observations
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NA implies Not Available

### Agro-Economic Research Centre, Andhra University, Visakhapatnam

Name of AERC: Visakhapatnam

State: Andhra Pradesh

Quarter Covered: Oct - Dec 2018

Sl.No.	Indicators	Current Status	
1	Average Rainfall (mm) 01-07-2018 to 30-09-2018	Actual	Normal
		124.1	296.00
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall	Total number of districts
		7 (Deficit), 5 (Scanty) & 1 (Normal)	13

*Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%*

3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)
		1	Paddy	3.37	7.45
2	Bengalgram	4.20	4.41		
3	Blackgram	2.10	3.52		
4	Maize	0.95	2.00		
5	Tobacco	0.75	1.05		

*Note: Top 5 major crops considering Gross cropped area*

4	Incidence of major pests and diseases in principal crops sown (✓)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Area Treated in ha.
		1	Paddy			✓	3143
2	Non-Paddy			✓	44544		

5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Price (Rs. per quintal) (MSP)
				Oct	Nov	Dec	
1	Paddy Common					1750	
2	Paddy Grade					1750	
3	Maize					1700	
4	Groundnut					4890	
5	Mung					6975	

*Note: Consider major producing market*

6	Seed availability in the local market for major crops (✓)	Sl. No.	Crop Name	Adequate	Shortage
		1	Paddy	✓	
2	Pulses	✓			
3	Groundnut	✓			

*Reason for shortage of seed in the local market*

*Suggestions to overcome the shortage*

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per Kg) (Sale rate of Dept.seeds)	
				Local variety	Hybrid variety
		1	Paddy	28-32.80	-
		2	Maize	77-350	-
		3	Groundnut	61	-
		4	Mung	70-90	-
<b>Remarks:</b>					
8	Chemical Fertilizer( NPK) availability in the local market (√)	Sl. No.	Fertilizers	Adequate	Shortage
		1	Urea	√	
		2	DAP	√	
		3	SSP	√	
		4	Others	√	
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers	Price (Rs. per 50 kg)	
		1	Urea	5.90	
		2	DAP	29	
		3	SSP	10.50	
		4	Others	-	
10	Availability of agricultural labour (√)	Easily available		Shortage	
		√			
		<b>Reason for shortage of agricultural labour</b>		<b>Suggestions to overcome the shortage</b>	
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female	
		400		250	
12	Availability of institutional credit for agriculture in the state (Co-operative Bank)	Target (Rs. crore)		Achievement (Rs. crore)	
		42532		25405	
		<b>Reason for less achievement against the target</b>		<b>Suggestions to overcome the shortage</b>	
13	Electricity availability for irrigation pump sets (number of hours per day)			9	
<b>Suggestion for improvement on more accuracy in electricity:</b>					
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage	
		√			
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage	
		√			
		<b>Reason for the shortage</b>		<b>Suggestions to overcome the shortage</b>	
16	Remarks and observations				

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

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		12.8 mm		32.03			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		30		33			
<b>Note: Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100%</b>							
3	Area covered under major crops	Sl. No.	Crop Name	Actual area (Lakh ha)	Targeted area (Lakh 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		
<b>Note: Top 5 major crops considering Gross cropped area</b>							
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Rabi Jowar			√	
		2	Wheat			√	
		3	Gram		√		
		4	Rabi Sunflower				Not Available
		5	Maize			√	
5	Farm output price of major crops	Sl. No.	Crop Name	Price (Rs. per quintal)			Average Price
				Oct	Nov	Dec	
		1	Rabi Jowar	2761	3470	3224	3227
		2	Wheat	3928	3965	3925	3939
		3	Gram	3224	3401	2467	3031
		4	Rabi Sunflower	3662	3499	3749	3637
5	Maize	1343	1387	1427	1385		
<b>Note: Consider major producing market</b>							
6	Seed availability in the local market for major crops (√)	Sl. No.	Crop Name	Adequate	Shortage		
		1	Rabi Jowar	√			
		2	Wheat	√			
		3	Gram	√			
		4	Rabi Sunflower	√			
		5	Maize	√			
<b>Reason for shortage of seed in the local market</b>			<b>Suggestions to overcome the shortage</b>				
-			-				

7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name	Price (Rs. per kg)			
				Local variety	Hybrid variety		
		1	Rabi Jowar	40	64		
		2	Wheat	30	38		
		3	Gram	40	73		
		4	Rabi Sunflower	-	60		
		5	Maize	-	70		
<b>Remarks:</b>							
8	Chemical Fertilizer (NPK) availability in the local market (√)	Sl.No.	Fertilizers	Adequate	Shortage		
		1	Urea	√	-		
		2	DAP	√	-		
		3	SSP	√	-		
		4	Others	√	-		
<b>Reason for shortage of chemical fertilizer in the local market</b>			<b>Suggestions to overcome the shortage</b>				
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers	Price (Rs. per kg)			
		1	Urea	5.91			
		2	DAP	28			
		3	SSP	7.6			
		4	Others	19			
10	Availability of agricultural labour (√)	Easily available		Shortage			
				√			
		<b>Reason for shortage of agricultural labour</b>			<b>Suggestions to overcome the shortage</b>		
					Custom hiring of tractors and other machinery must be popularized		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female			
		300		200			
12	Availability of institutional credit for agriculture in the State	Target (Rs. in Crore)		Achievement (Rs. in Crore)			
		80000		NA			
		<b>Reason for less achievement against the target</b>			<b>Suggestions to overcome the shortage</b>		
			-				
13	Electricity availability for irrigation pump sets (number of hours per day)			8			
<b>Suggestion for improvement on more accuracy in electricity:</b>							
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available		Shortage			
		√					
		<b>Reason for the shortage</b>			<b>Suggestions to overcome the shortage</b>		
		-			-		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate		Shortage			
		√					
		<b>Reason for the shortage</b>			<b>Suggestions to overcome the shortage</b>		
		-			-		
16	Remarks and observations						





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