

Quarterly Report
on
INDICATORS OF AGRICULTURE

Jul - Sep 2016

A.V. MANJUNATHA



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

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A.V. Manjunatha (Jul-Sep 2016). Quarterly Report on Indicators of Agriculture. ISEC, Bengaluru.

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Design by: dataworx, Bengaluru (website: www.dataworx.co.in)

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Acknowledgement

The Ministry of Agriculture and Farmers Welfare, Government of India and National Institution for Transformation of India (NITI), intend to know the agriculture situation in different states using agricultural indicators. Thirteen Agro-Economic Research Centres (AERCs) spread across the Country are assigned to collect the required information for the State under their jurisdiction quarterly and submit the data to the Agricultural Development and Rural Transformation Centre (ADRTC), ISEC, Bangalore. The Centre will be preparing a consolidated report for all the major States in the country and submit the report for every quarter. We are grateful to the Ministry of Agriculture and Farmers Welfare, Government of India, for reposing confidence in the ADRT Centre, and assigning the responsibility for co-ordination of the study and consolidation of data/ information on agricultural indicators for States.

We are grateful to Prof. M.G. Chandrakanth, Director, Institute for Social and Economic Change (ISEC), Bangalore, for his encouragement and support for this work. We thank Mrs. Prema Kumari for being involved with the consolidation of this report. We also thank our colleagues from various AERCs for compiling the data from various sources of the states under their jurisdiction and submitting the same to facilitate consolidation of the quarterly report.

A.V. Manjunatha

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INDICATORS OF AGRICULTURE

Agriculture plays a vital role in India's economy. Over 58 per cent of the rural households depend on agriculture as their principle means of livelihood. The Agriculture and allied sectors are contributing approximately 16.1 per cent of the nation's GDP, 10 per cent of its exports as of the end of 2014-15. About half of the population still depends on agriculture as its primary source of income (Gol, 2014-15). There has been an increase in the share of agriculture and allied sectors of the GDP from 13.9 per cent in 2013-14 to 16.1 per cent in 2014-15 (at constant 2011-12 prices). This increasing trend in the GDP of agriculture and allied sectors is not surprising and is expected in a fast growing and changing economy (Gol, 2014-15). During FY 2016, agriculture and allied sectors grew at an annual average growth rate of 1.9 per cent and contributed 14.2 per cent to the GVA.

The production of food grains increased by about five times in 2014-15 (252.68 million tons) as compared to 1950-51 (50.82 million tons). This increase in the food grain production resulted mainly from productivity gains rather than expansion of cultivated area.

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 data refers to the period July to September 2016. The basic data about agricultural indicators were received from twenty-one States, namely Arunachal Pradesh, Assam, Bihar, 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 selected for this study which are as under:

1. Average Rainfall
2. Number of deficit rainfall districts in the State
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 in the State
13. Electricity availability for irrigation pump sets
14. Availability of farm machinery for timely sowing, harvesting and other operations
15. Availability of organic manure, farm-yard manure, vermi compost and bio- fertilizers

1. Average Rainfall

The overall rainfall status for 3rd quarter of 2016, as per the data received of 21 states from AERCs indicated that two states received rainfall in excess of their normal rainfall and the remaining nineteen states received rainfall lower than their normal rainfall. The excess rainfall was observed mainly in North-Western and Central India comprising Rajasthan and Madhya Pradesh states. Madhya Pradesh received less rainfall than the normal during the corresponding quarter of previous year.

However, Rajasthan received excess rainfall in the third quarter of 2015. All the North-Eastern states of the country had rainfall less than the normal. Among the southern states, Tamil Nadu and Karnataka had received rainfall less than the normal. The comparative figures for actual and normal rainfall of different states are depicted in **Figure 1** and **Figure 2**, separately for those states which received

higher rainfall than the normal and for those that received lower rainfall than the normal. Among the states that have received excess rainfall, Rajasthan had recorded highest of 28 per cent excess rainfall than the normal. The second position was taken by Madhya Pradesh which had received 13 per cent excess rainfall as compared to normal rainfall.

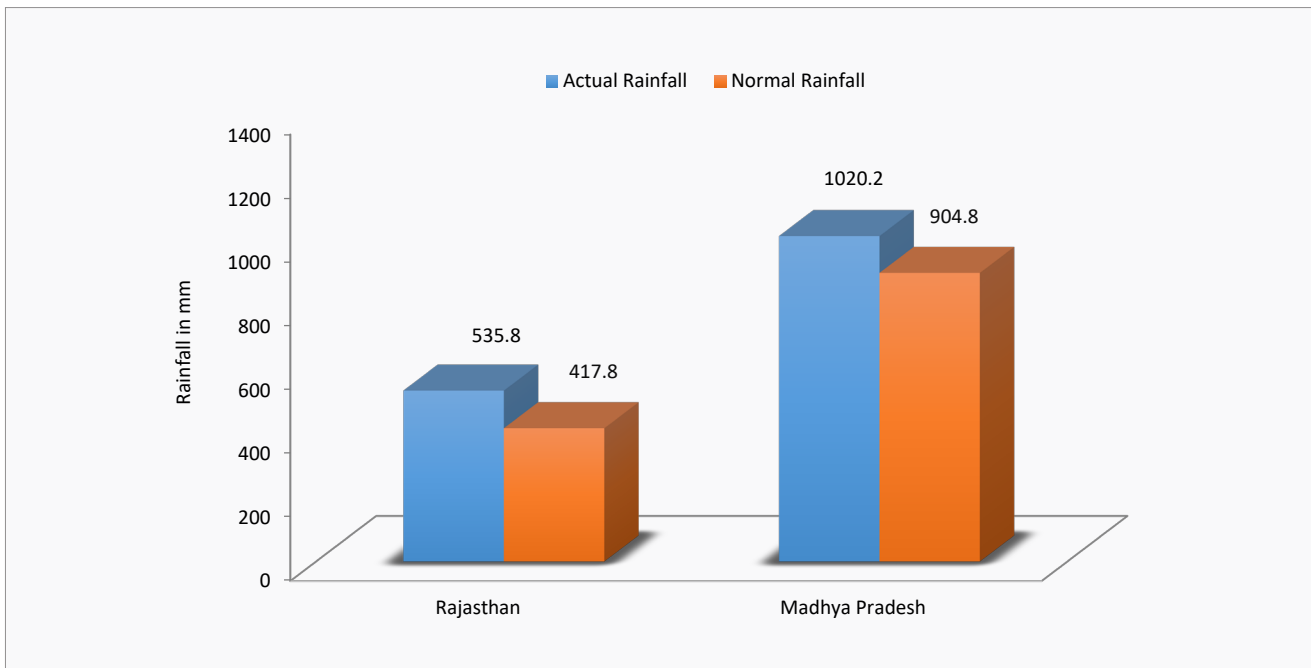


Figure 1: State wise distribution of actual and normal rainfall which have received rainfall in excess of the normal

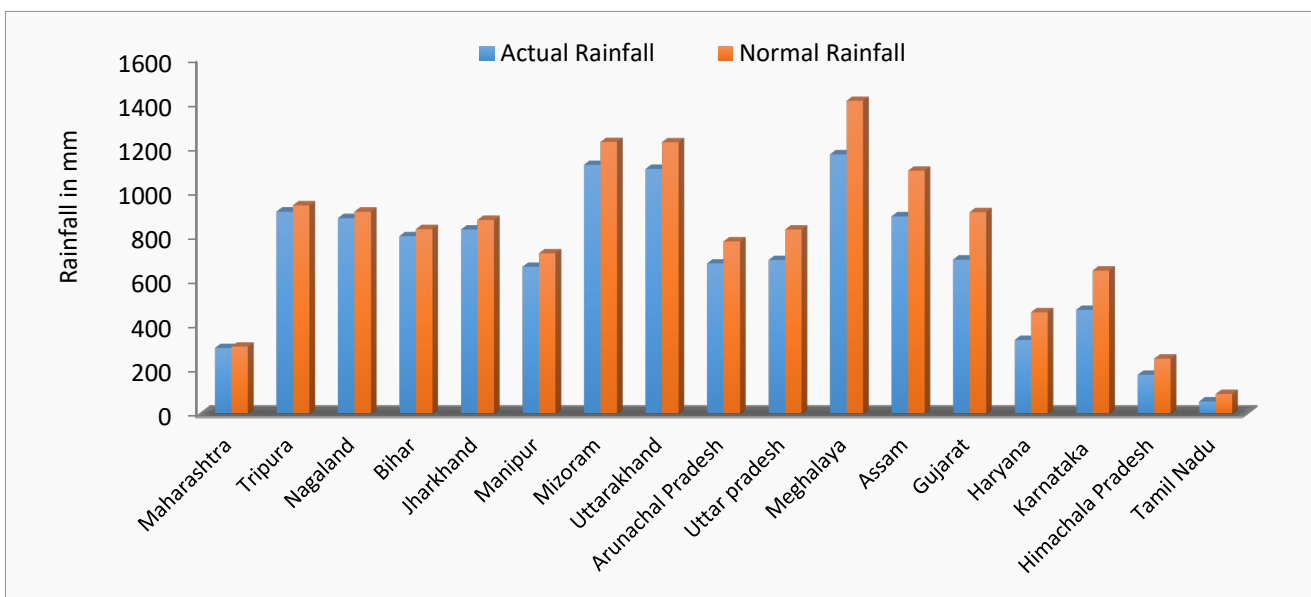
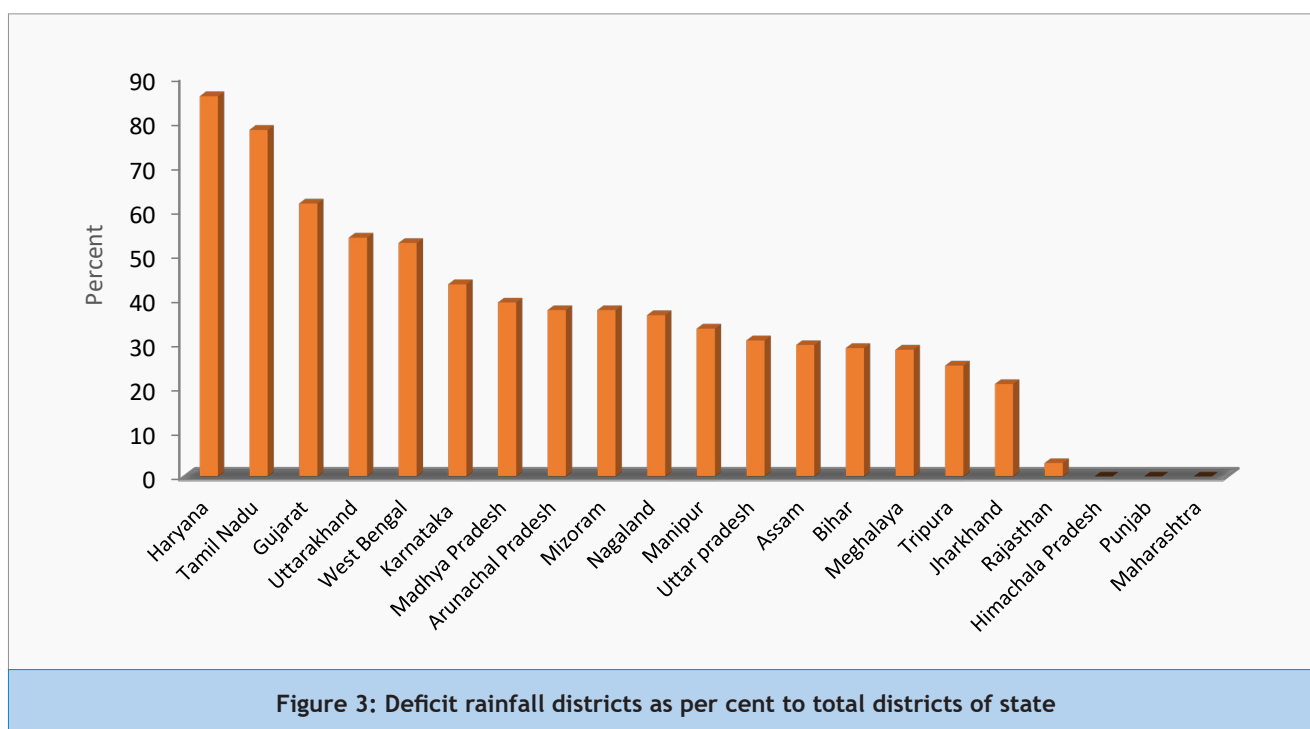


Figure 2: State wise distribution of actual and normal rainfall which have received rainfall less than normal

2. Percentage of Districts received Deficit Rainfall

The rainfall data received for nineteen states represented 463 districts. More than 38 per cent of these districts have not received sufficient rainfall, and hence they have been classified as districts

Nadu and 54 per cent of districts of Uttarakhand had deficit rainfall during the current period. Haryana had highest deficit rainfall as compared to the remaining states. Except Himachal Pradesh, all the states had deficit rainfall. The per cent of districts with deficit rainfall for all the 18 states is represented in **Figure 3** in the descending order.



with deficit rainfall. The situation is better when compared to the same quarter of the previous year 2015 when around 46 per cent of the districts have reported deficit rainfall. It is to note that none of the districts of Himachal Pradesh had received deficit rainfall in this quarter. Around 86 per cent of districts of Haryana state had received deficit rainfall. The deficit rainfall was observed in 3 per cent and 39 per cent of districts of Rajasthan and Madhya Pradesh, respectively. This is despite the state receiving 28 per cent and 13 per cent excess rainfall than the normal in Rajasthan and Madhya Pradesh respectively. In case of Jharkhand and Nagaland, except for 5 and 4 districts respectively in these states, all the districts received surplus rainfall. However, the overall rainfall received in these two states was in deficit as compared to normal rainfall. Around 78 per cent districts of Tamil

3. Area Covered Under Major Crops

Coverage of area under major crops is one of the important agricultural indicators considered for quarterly report on indicators of agriculture. The proportion of actual area covered under different crops as against their targeted area is taken as the basis of measuring inter-quarter performance of each state on this indicator. The quarter-on-quarter growth with respect to area coverage of major crops in every state is also a part of this indicator. The data pertaining to targeted area, and area actually covered during third quarter of 2016 was received for 21 states from the respective AERCs. As per this data, the total targeted area under major crops for the quarter ending July to September, 2016 was 81 million hectares and the actual area covered was 75 million hectares. Thus, the achievement was around

93 per cent of total area targeted for major crops. The per cent achievement as against the target has decreased from previous quarter to this quarter which can be clearly seen in Figure 4. The data for Andhra Pradesh state was not received for the third quarter of the current year. Few States of North eastern India had not provided data for last three years. This was another reason for variations in overall per cent in achievement.

The performance of states on the basis of per cent achievement to targeted area within this quarter is presented in Figure 5. Five states viz. Karnataka, Maharashtra, Gujarat Madhya Pradesh and Uttar Pradesh have recorded more than hundred per cent achievement during this quarter. There are instances of states viz., Haryana, West Bengal, Tripura, Manipur, Rajasthan and Bihar have crossed 90 per cent of the targeted area of major crops.

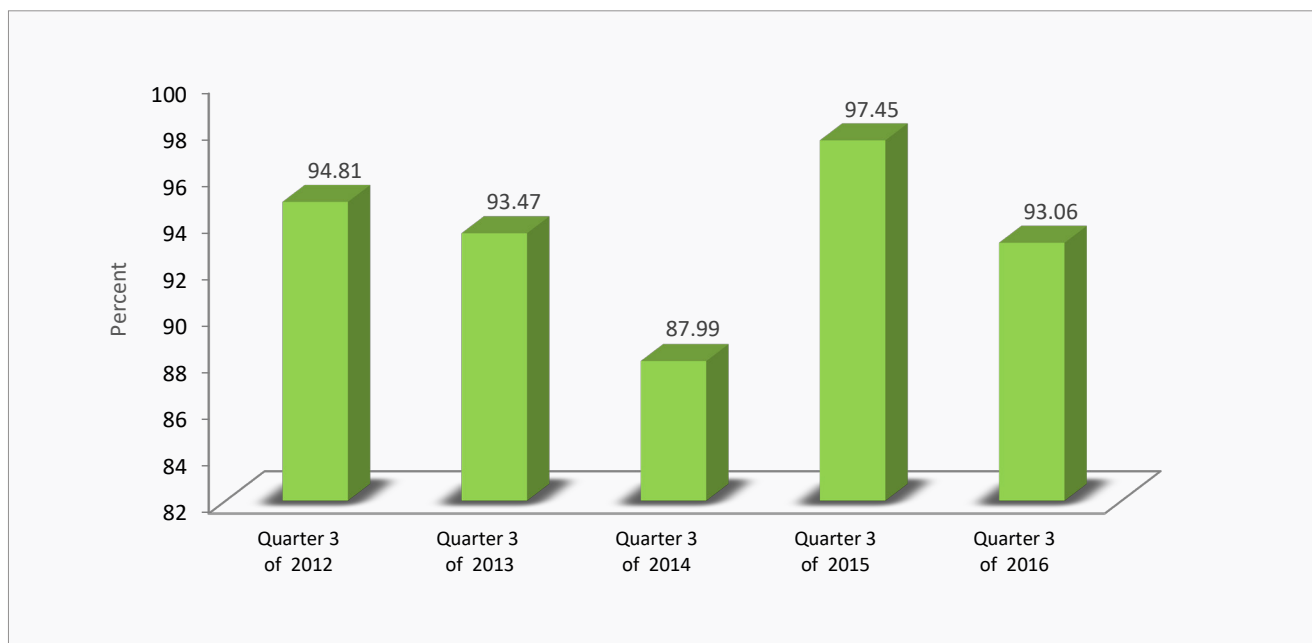


Figure 4: Area covered under major Crops in 3rd quarter of last 5 years as per cent to targeted area

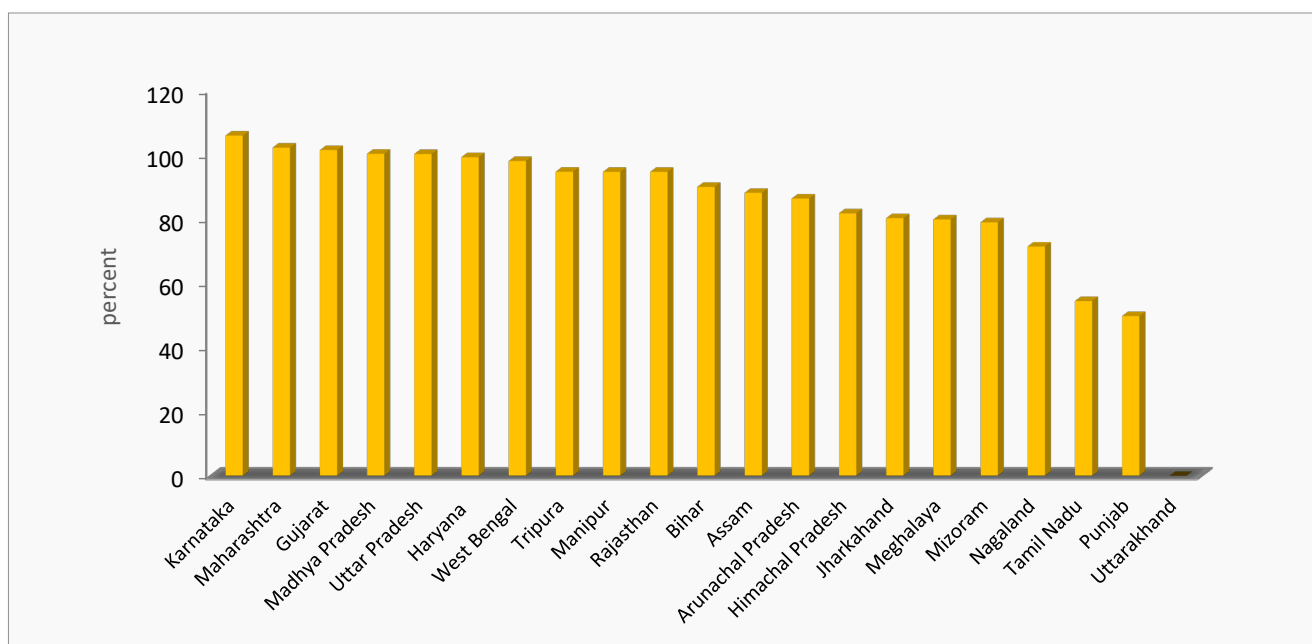


Figure 5: State-wise area covered under major crops as per cent to targeted area

Cereals are the most important group of crops covered in the third quarter of 2016 invariably in all the 21 states for which data was received. Cereals covered around 50 per cent of the total area covered under major crops. Among the cereals, area under Paddy was the highest not only under cereals but among all crops. It accounted for 66 per cent of area under cereals and 33 per cent of total area under major crops. Maize was another cereal crop which claimed 15 per cent of area under cereals and 8 per cent of total area under major crops. Among the pulses, area under Tur was the highest which accounted for 41 per cent of area under pulses and 5 per cent of total area under major crops. The share of pulses and oil seeds in the total area covered under major crops was 12.40 and 18.76 per cent respectively. Gram, Tur, Moong, Green gram and Urad were the main pulse crops. Some horticultural crops like vegetables, cash crops like sugarcane, jute and cotton were the other major crops sown during third quarter of 2016 period. These crops accounted for 19 per cent of the total area covered and were sown in very few states for which data was received. The area covered under cereals, pulses and other crops is given in **Figure 6**.

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

The incidence of major pests and diseases in principle crops were found to be moderate in Assam, Arunachal Pradesh, Haryana, Manipur, Meghalaya, Mizoram, Nagaland and Tripura. The incidence was low in the case of Bihar, Gujarat, Jharkhand, Karnataka, Punjab, Tamil Nadu, Uttarakhand, Uttar Pradesh and West Bengal. It is quite interesting to note that there was no attack of pests on principal crops in the states of Himachal Pradesh, Madhya Pradesh, Maharashtra and Rajasthan as reported by the respective AERCs.

5. Farm Output Prices of Major Crops

Farm output prices of major crops across different States have shown wide variations. For instance, price of paddy was highest in Bihar (Rs. 2800/ qtl) and lowest in West Bengal (Rs. 1110/qtl). The price of Maize varied between Rs. 4250/qtl in Uttar Pradesh and Rs. 1200/qtl in Bihar and Jharkhand. The price of wheat was highest in Jharkhand (Rs. 1700/qtl) and lowest in Punjab (Rs. 1565/qtl). The prices varied depending upon the type of produce i.e. Hybrid or HYV, time of sale i.e. immediately after harvesting or after few months of harvesting, where it was sold and such other factors.

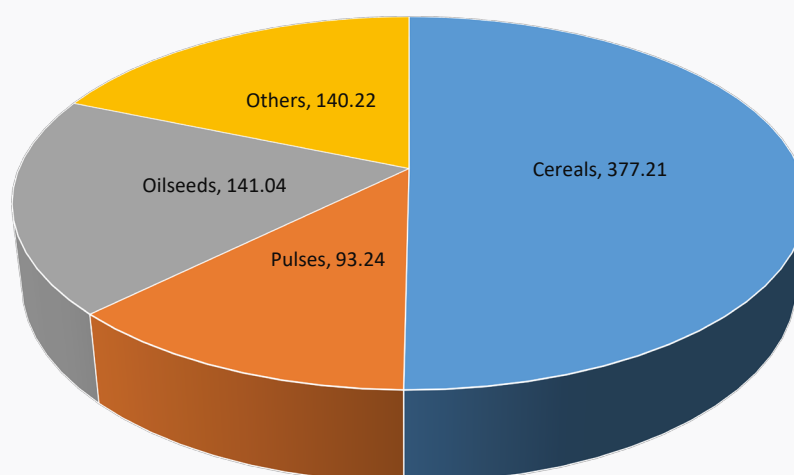


Figure 6: Area covered under different crops (Area in lakh hectares)

6. Seed Availability in the Local Market for Major Crops

Seeds are available in Bihar, Gujarat, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Uttarakhand, Uttar Pradesh and West Bengal, with no shortage reported in these States. The shortage of seeds is reported for the States of Assam, Arunachal Pradesh, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland and Tripura.

7. Prevailing Market Price of Seeds of Major Crops

The prevailing market prices of seeds of major crops during the period July 2016 to September 2016 as received from concerned AERCs are presented in [Table 1](#). The prices depended on the type of seed

i.e. Hybrid or HYV; source of purchase i.e. open market or from departments with subsidy, selling of seeds in terms of bags or loose and such other factors. Hence, the prices varied very widely as can be seen in [Table 1](#).

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

Supply of chemical fertilizers, viz. Urea, SSP and DAP was adequate in Bihar, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Uttarakhand, Uttara Pradesh and West Bengal. On the contrary, Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland and Tripura experienced scarcity of Chemical Fertilizers except Urea. There was no deficit with respect to Urea because of the mandatory policy for the supply of

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

States	Paddy	Maize	Remarks
Arunachal Pradesh	130.00	57.50	
Assam	141.50	65.00	
Bihar (Hybrid)	225.00	300.00	
Gujarat		20-25	
Haryana (HYV)	240.00		
Himachal Pradesh	250.00	71.50	
Jharkhand	200.00(Hybrid)	75.00 (local)	
Karnataka	30.00	180.00	
Madhya Pradesh	26.00	25.33	
Manipur	135.00	55.00	
Meghalaya	142.50	63.50	
Mizoram	142.50	62.50	
Nagaland	140.00	60.00	
Punjab(hybrid)		237.5	
Rajasthan			Given for other crops, Wheat(26.50 Rs/kg), Gram (100Rs./kg)
Tamil Nadu	1400.00		
Tripura	127.50	62.50	
Uttar Pradesh	165.00	86.00	
Uttarakhand	240.00		
West Bengal	47.00	22.00	

Source: AERCs of Respective States

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 7**. The prices of fertilizers are relatively higher in West Bengal (Urea - Rs. 10.00/kg, DAP - Rs. 30.00/kg and SSP - Rs. 11.50/kg). The prices of Urea (Nitrogenous fertilizer) ranged from Rs. 5.16/kg in

11. Prevailing Wage Rate for Casual Labour in Agriculture

Prevailing wage rate for casual labour in agriculture is presented in **Figure 8**. It is noticed from the figure that male and female labour had received same wage rates in Himachal Pradesh and West Bengal. In the remaining States, the wage rates of males were relatively higher than the females. Further, there was also variation in wage rates among most of the

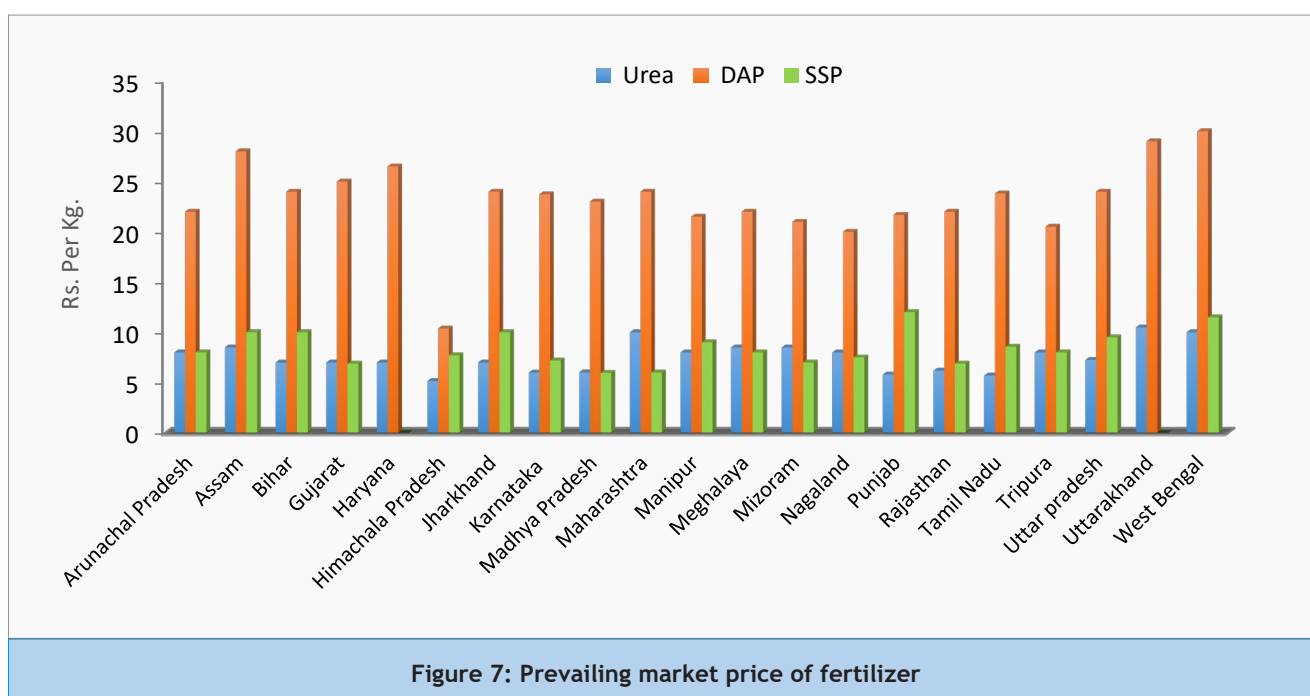


Figure 7: Prevailing market price of fertilizer

Himachal Pradesh to Rs. 10.50/kg in Uttarakhand. Similarly, prices of DAP varied between Rs. 10.38/kg in Himachal Pradesh and Rs. 30.00/kg in West Bengal. The prices of SSP varied between Rs. 5.96/kg in Madhya Pradesh and Rs. 12.00/kg in Punjab.

10. Availability of Agricultural Labour

In the states of Himachal Pradesh, Madhya Pradesh and Punjab, agricultural labour were easily available. However, shortage of Agricultural labour was reported in Assam, Arunachal Pradesh, Bihar, Gujarat, Haryana, Jharkhand, Karnataka, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Rajasthan, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh and West Bengal.

States. For instance, the wage rate was Rs. 235/day and Rs. 150/day in West Bengal and Himachal Pradesh for both male and female, respectively.

12. Availability of Institutional Credit for Agriculture in the State

Targets will be fixed annually for the credit disbursement to agricultural sector in India. Only ten States have provided the information about targets and achievements of institutional agricultural credit. On the basis of this data, it has been observed that Punjab had achieved about 103 per cent of the target flow of institutional credit to agriculture. The achievement was 95 per cent, 90 per cent, 78 per cent and 74 per cent of the target in the case

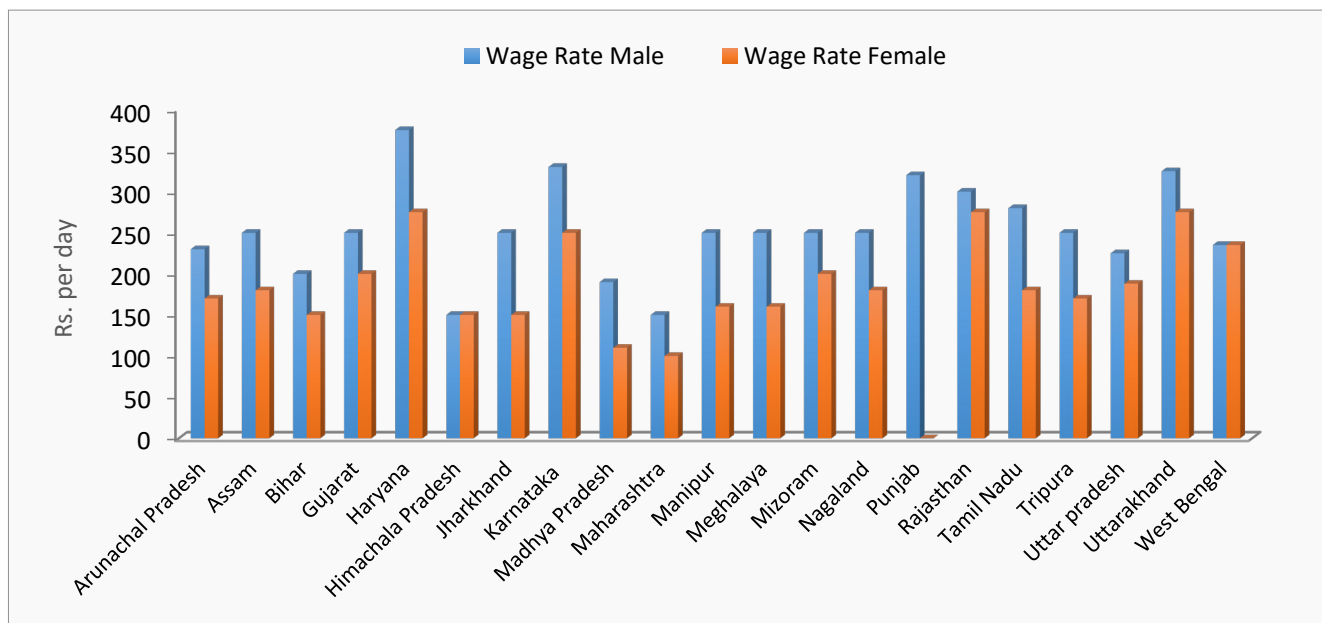


Figure 8: Prevailing wage rate for casual labour in agriculture

of Tamil Nadu, West Bengal, Madhya Pradesh and Uttar Pradesh respectively. The remaining States, viz. Assam, Bihar, Jharkhand, Karnataka and Tripura achieved less than 37 per cent of the target.

13. Electricity Availability for Irrigation Pump sets

Out of Twenty-One States, nine have furnished the data on per day availability of electricity for agricultural purposes. Results showed that the electricity was available for 20 hrs in Himachal Pradesh, 13 hours in Uttar Pradesh, 9 hrs in Jharkhand, 8 to 9 hrs in Gujarat, 8 hrs in Madhya Pradesh and Bihar, 7 hrs in Punjab, 5 to 6 hrs in Rajasthan and 4 hrs in Karnataka. On an average, the availability of power was about 9 hours per day.

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

Farm machinery is easily available in the States of Gujarat, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan and Uttara Pradesh for timely sowing, harvesting and other operations. Shortage of farm machinery

was reported in Assam, Arunachal Pradesh, Bihar, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Tamil Nadu, Tripura, Uttarakhand and West Bengal.

15. Availability of Organic Manure, Farm-Yard-Manure, Vermi Compost, Bio Fertilizer

The results indicated that the availability of organic manure, farmyard manure, vermi compost and bio-fertilizers was reported as adequate in Bihar, Gujarat, Jharkhand, Karnataka, Maharashtra, Rajasthan, Tamil Nadu and Uttar Pradesh and shortage in Assam, Arunachal Pradesh, Haryana, Himachal Pradesh, Madhya Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Tripura, West Bengal and Uttarakhand.

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: **Jul - Sep 2016**

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (1-6-2016 to 28-9-2016)	Actual			Normal		
		332.1			457.1		
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall			Total number of districts		
		18			21		
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)		Targeted area (Lakh ha)	
		1	Rice	Approx.13.3		12.5	
		2	Bajra	Approx.4.85		4.60	
		3	Cotton	Approx.4.98		6.20	
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Rice		√		
		2	Bajra			√	
		3	Cotton		√		
5	Farm output price of major crops	Sl. No.	Name of the crop		Price (Rs. per quintal)		
		1	Rice (ordinary)		1470-1600		
		2	Basmati		2000-2500		
		3	Bajra		1330-1400		
		4	Cotton		3800-4500		
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Rice	√			
		2	Bajra	√			
		3	Cotton	√			
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop		Price (Rs. per quintal)		
		1	Rice (HYV)		80-400		
		2	Basmati		101-150		
		3	Bajra		120-460		
		4	Cotton		330-1200		
8	Chemical fertilizer (NPK) availability in the local market (√)	Details		Adequate	Shortage	Not available	
		Urea					
		DAP					
		SSP					
		Others					

9	Prevailing market price of fertilizer	Details		Price (Rs. per Kg.)
		Urea		300-400 per bag
		DAP		1250-1400 per bag
		SSP		
		Others		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available
			√	
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female
		350-400		250-300
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)		Achievement (Rs. crore)
		NA		NA
13	Electricity availability for irrigation pump sets (number of hours per day)	NA		
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available
		√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available
			√	
	Remarks and observations	Deficit rainfall in maximum districts may negatively impact on production and productivity of kharif crops		

Agro-Economics Research Centre, University of Delhi, Delhi-110007
Name of AERC: **Delhi**State: **Uttarakhand**Quarter Covered: **Jul - Sep 2016**

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (1-6-2016 to 28-9-2016)	Actual			Normal		
		1103.2			1223.4		
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall			Total number of districts		
		7			13		
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)		Targeted area (Lakh ha)	
		1	Rice	2.49		NA	
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Rice			√	
5	Farm output price of major crops	Sl. No.	Name of the crop		Price (Rs. per quintal)		
		1	Rice (HYV)		1500-2000		
		2	Rice (Basmati)		2000-2500		
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Rice	√			
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop		Price (Rs. per Kgs)		
		1	Rice (Hybrid)		80-400		
		2	Rice (Basmati)		100-150		
8	Chemical fertilizer (NPK) availability in the local market (√)	Details		Adequate	Shortage	Not available	
		Urea		√			
		DAP			√		
		NPK		√			
		Others					
9	Prevailing market price of fertilizer	Details		Price (Rs. per kg)			
		Urea		500-550 per 50 kg bag			
		DAP		1400-1500 per 50 kg bag			
		NPK		1300-1400 per 50 kg bag			
		Others					
10	Availability of agricultural labour (√)	Easily available		Shortage	Not available		
				√			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male			Female		
		300-350			250-300		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)			Achievement (Rs. crore)		
		NA			NA		

13	Electricity availability for irrigation pump sets (number of hours per day)	NA		
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available
			√	
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available
			√	
	Remarks and observations	Deficit rainfall in the State may negatively impact on Productivity and Production of Kharif crops.		

Agro-Economic Research Centre, Vallabh Vidyanagar, Rajasthan
Name of AERC: **Vallabh**State: **Rajasthan**Quarter Covered: **Jul - Sep 2016**

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (01-6-2016 to 28-09-2016)	Actual		Normal			
		535.8		417.8			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		1		33			
3	Area covered under major crops (As on 5.09.2016 as per Dir. of Agri, Jaipur, Rajasthan, data on further progress not available)	Sl. No.	Name of the crop	Actual area (000 ha)	Targeted area (000 ha)		
		1	Bajra	3932.60	4600		
		2	Maize	931.60	980		
		3	Moong	1358.67	1350		
		4	Moth	1207.68	1150		
		5	Guar	3576.94	3600		
		6	Soyabean	1090.25	1100		
		7	All crops	15300.26	15957		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Bajra				√
		2	Maize				√
		3	Moong				√
		4	Moth				√
5	Farm output price of major crops (As on 1/07/2016 as per mandi online, Rajasthan website)	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Wheat (1482)	1566-1695			
		2	Jowar	1500-1692			
		3	Bajra	1200-1500			
		4	Maize (Yellow)	1600-1859			
		5	Moong	3950-5240			
		6	Urad	5310-9000			
		7	Groundnut	3200-5020			
6	Seed availability in the local market for major crops (√) (www.seednet.gov.in)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Rapeseed	√			
		2	Gram	√			
		3	Barley	√			

		4	Wheat	√		
		5	Taramira	√		
		6	Cumin	√		
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)		
		1	Rapeseed	60-75		
		2	Gram	100		
		3	Barley	17-26		
		4	Wheat	23-30		
		5	Taramira	70		
		6	Cumin	270		
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available	
		Urea	√			
		DAP	√			
		SSP	√			
		Others	√			
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)			
		Urea	6.20			
		DAP	22.00			
		SSP	6.90 (Powder), 7.50 (Grain)			
		Others /NPK	15.40			
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available		
			√			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male		Female		
		Rs. 300		Rs. 275		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)		Achievement (Rs. crore)		
		NA		NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	5-6 hours				
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available		
		√				
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available		
		√				
	Remarks and observations					

Note: (1) Data reported are provisional
(2) NA: Not Available

Agro-Economic Research Centre, Uttar Pradesh

Name of AERC: Allahabad

State: Uttar Pradesh

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) June to September 2016	Actual		Normal			
		692.4		829.8			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		23		75			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	59.4	59.48		
		2	Maize	7.81	7.75		
		3	Jowar	2.05	2.01		
		4	Bajra	9.77	9.80		
		5	Urd	5.98	5.75		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Paddy			√	
		2	Maize			√	
		3	Jowar			√	
		4	Bajra			√	
		5	Urd			√	
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	Not harvested			
		2	Maize	4000-4500			
		3	Jowar	Not harvested			
		4	Bajra	Not harvested			
		5	Urd	4800-7600			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy	√			
		2	Maize	√			
		3	Jowar	√			
		4	Bajra	√			
		5	Urd	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy	30-300	
		2	Maize	60-112	
		3	Jowar	60-120	
		4	Bajra	50-150	
		5	Urd	75-120	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others	√		
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	6.50-8.00		
		DAP	23.00-25.00		
		SSP	9.00-10.00		
		Others	12.00-14.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		200-250	175-200		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		37285.05	27486.92		
13	Electricity availability for irrigation pump sets (number of hours per day)	12 to 14 hours			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
		√			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
		√			
	Remarks and observations				

Note:

- Information from Sr. No. 1 to 4 has been collected from Directorate of Agriculture, U.P. Lucknow.
- The availability of the institutional credit for agriculture (Crop loan & KCC) in U.P. has also been collected from Directorate of Agriculture, U.P. Lucknow.
- Apart from these most of information have been collected from the farmers of Allahabad district.
- The prices of fertilizers in open markets were much higher than that of co-operative store.
- The information of availability for Institutional credit for agriculture (crop loan) in the State is upto 30.09.2016.
- Break-up of No. of districts received deficit rainfall in U.P. Deficient-23, Highly Deficient-13, Scanty- 02, Excess-06, Normal-31 and no rain-0.
- Electricity availability for irrigation pump sets was very irregular across the state.
- Information of area covered under major crops is up to 21-08-2016.

Agro-Economic Research Centre, PAU, Ludhiana

Name of AERC: PAU

State: Punjab

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (01-7-2016 to 30-09-2016)	Actual		Normal			
		@		@			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		@		20*			
3	Area covered under major crops (2016-17)	Sl. No.	Name of the crop	Actual area (Lakh ha**)	Targeted area (Lakh ha)		
		1	Wheat	-	34.80		
		2	Paddy	30.10	27.10		
		3	Cotton	2.56	5.00		
		4	Maize	1.45	2.00		
		5	Rapeseed & Mustard	-	0.45		
		6	Sugarcane	1.00	1.00		
		7	Sunflower	-	0.20		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Wheat				
		2	Paddy			√	
		3	Cotton		√		
		4	Maize			√	
		5	Mustard				
		6	Sugarcane			√	
		7	Sunflower				
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Wheat	1530-1600			
		2	Cotton (A)	4500-5670			
		3	Maize	1200-1550			
		4	Sunflower	2800-3200			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Wheat	√			
		2	Maize	√			
		3	Mustard	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Wheat - Common Varieties	25-35	
			Wheat - Newly released variety	50	
		2	Maize (Hybrid)	175-300	
		3	Mustard- Gobi Sarson	120-200	
			Mustard-Hyola	900	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others			
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	5.80		
		DAP	21.70		
		SSP	12.00		
		Others			
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
		√			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 320	-		
12	Availability of institutional credit for agriculture in the state ***	Target (Rs. crore)	Achievement (Rs. crore)		
		25440	26078		
13	Electricity availability for irrigation pump sets (number of hours per day)	6-8 hours			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
		√			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

Note: @ Information on Rainfall yet to be received from the concerned agro-Metrological Department and will be sent as earlier as possible.

* Data on recently created two districts are not presently available separately, and is part of the parent districts.

** Provisional estimates

*** Data pertain to financial year ending March 2016.

Agro-Economic Research Centre, Shimla

Name of AERC: Shimla

State: Himachal Pradesh

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		175.0		248.1			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		0		12			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (ha)	Targeted area (ha)		
		1	Maize	280000	297000		
		2	Paddy	25000	76000		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1.		-	-	-	√
5	Farm output price of major crops	Sl. No.	Name of the crop		Price (Rs. per quintal)		
		1.	Maize		1365		
		2.	Paddy		1510		
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1.	Maize	√			
		2.	Paddy	√			
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop		Price (Rs. per Kg.)		
		1.	Maize		71.50		
		2.	Paddy		250.00		
8	Chemical fertilizer (NPK) availability in the local market (√)	Details		Adequate	Shortage	Not available	
		Urea		√			
		DAP		√			
		SSP		√			
9	Prevailing market price of fertilizer	Details			Price (Rs. per Kg.)		
		Urea			5.16		
		DAP(12:32:16)			10.38		
		SSP			7.70		
		Others(C A N)			16.10		
10	Availability of agricultural labour (√)	Easily available		Shortage		Not available	
		√					
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male			Female		
		Rs. 150			Rs. 150		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)			Achievement (Rs. crore)		
		NA			NA		

13	Electricity availability for irrigation pump sets (number of hours per day)	Electricity for irrigation pump is available 20 hours per day		
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available
		√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available
			√	
	Remarks and observations	There is 20% net irrigated area in Himachal Pradesh.		

Agro-Economic Research Centre - Bangalore

Name of AERC: ADRTC

State: Karnataka

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		468		645			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		13		30			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	9.46	10.56		
		2	Groundnut	5.32	6.31		
		3	Maize	13.12	11.91		
		4	Sunflower	1.40	2.00		
		5	Tur	12.34	8.51		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Paddy			√	
		2	Groundnut			√	
		3	Maize			√	
		4	Sunflower				√
		5	Bengal gram			√	
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	1756.21			
		2	Groundnut	4218.07			
		3	Maize	1677.21			
		4	Sunflower	3378.25			
		5	Bengal gram	7922.07			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy	√			
		2	Groundnut	√			
		3	Maize	√			
		4	Sunflower	√			
		5	Tur	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy	30.00	
		2	Groundnut	55.00	
		3	Maize	200.00	
		4	Sunflower	330.00	
		5	Tur	136.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others			
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	5.99		
		DAP	23.73		
		SSP	7.20		
		Others			
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		330.00	250.00		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		72891.70	19403.42		
13	Electricity availability for irrigation pump sets (number of hours per day)	4 hours			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
		√			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
		√			
	Remarks and observations				

Agro-Economic Research Centre, Madras University, Tamil Nadu

Name of AERC: Madras University

State: Tamil Nadu

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		55.2		88.6			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		25		32			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	2.312	4.621		
		2	Cereals	1.948	3.838		
		3	Pulses	1.245	2.200		
		4	Food grains	5.505	10.659		
		5	Oilseeds	1.920	2.452		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Paddy			√	
		2	Millets			√	
		3	Groundnut			√	
		4	Cotton			√	
		5	Sugarcane			√	
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	1460-1520			
		2	Millets	2000-2500			
		3	Groundnut	3800-4600			
		4	Cotton	3800-4100			
		5	Sugarcane	285			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy	√			
		2	Millets	√			
		3	Groundnut	√			
		4	Cotton	√			
		5	Sugarcane	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy	1300-1500	
		2	Black gram	4600-4900	
		3	Red Gram	3500-3800	
		4	Groundnut	8000	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others	√		
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	285		
		DAP	1190		
		SSP	428		
		Others (20:20)	800		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
		√			
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 280	Rs. 180 (fixed by District Collector)		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		24227.83	23036.27		
13	Electricity availability for irrigation pump sets (number of hours per day)	Shortage			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
		√			
	Remarks and observations				

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

Name of AERC: Pune

State: Maharashtra

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual			Normal		
		296.00			302.66		
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall			Total number of districts		
		-			33		
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)		Targeted area (Lakh ha)	
		1	Kharif jowar	4.88		8.6	
		2	Tur	14.81		12.20	
		3	Cotton	37.77		41.29	
		4	Soyabean	38.67		31.92	
		5	Total kharif	137.78		149.42	
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Kharif jowar				√
		2	Tur				√
		3	Cotton				√
		4	Soyabean				
5	Farm output price of major crops	Sl. No.	Name of the crop			Price (Rs. per quintal)	
		1	Kharif jowar			1800	
		2	Tur			7500	
		3	Cotton			4100	
		4	Soyabean			3000	
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Kharif jowar	√			
		2	Tur	√			
		3	Cotton	√			
		4	Soyabean	√			
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop			Price (Rs. per Kg.)	
		1	Kharif jowar			30	
		2	Tur			450	
		3	Cotton			800 (450grams)	
		4	Soyabean			68	

8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others			
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	10.00		
		DAP	2.40		
		SSP	6.00		
		Others	12.00-22.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		150	100		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		NA	NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	Load shedding for several hours			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
		√			
15	Availability of organic manure, farm-yard-manure, vermin-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
		√			
	Remarks and observations	Rainfall in districts of Maharashtra such as Aurangabad, Jalna, Beed, Latur Osmanabad, was about half of normal in August 2016. However in September 2016 Beed, Latur Osmanabad had about 206 percent of normal rainfall, State average was 115 percent of normal.			

Agro-Economic Research Centre, JNKVV, Jabalpur, MP
Name of AERC: **Jabalpur**State: **Madhya Pradesh**Quarter Covered: **Jul - Sep 2016**

Sl.No.	Indicators	Current Status					
1	Average Rainfall (mm) (01.06.2016 to 30.09.2016)	Actual		Normal			
		1020.2		904.8			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		20		51			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual Area (Lakh ha)	Target Area (Lakh ha)		
		1	Paddy	22.60	21.23		
		2	Maize	12.63	11.95		
		3	Soyabean	54.01	55.32		
		4	Jowar	2.20	2.73		
		5	Tur	6.90	7.96		
		6	Moong	2.25	2.55		
		7	Urad	11.68	11.04		
		8	Cotton	5.99	5.72		
		9	Groundnut	2.55	2.40		
10	Bajra	2.80	2.32				
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Paddy				√
		2	Maize				√
		3	Soyabean			√	
		4	Jowar				√
		5	Arhar				√
		6	Moong				√
		7	Urad				√
		8	Cotton				√
9	Groundnut				√		
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	1336-1411			
		2	Maize	1050-1667			
		3	Soyabean	2201-3500			
		4	Jowar	1500-1550			
		5	Arhar	5000-6767			
		6	Groundnut	2150-4700			
7	Cotton	3000-5811					
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy	√			
		2	Maize	√			
		3	Soyabean	√			
4	Jowar	√					

		5	Arhar	√		
		6	Moong	√		
		7	Urad	√		
		8	Cotton	√		
		9	Groundnut	√		
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)		
		1	Paddy	19.00-33.00		
		2	Maize	18.00-32.65		
		3	Soyabean	45.00-59.00		
		4	Jowar	19.00-36.00		
		5	Tur	150.00		
		6	Moong	60.00		
		7	Urad	150.00		
		8	Til	90.00-110.00		
		9	Groundnut	55.50-70.00		
		10	Kodo	25.00-42.50		
		11	Kutki	25.00-42.50		
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available	
		Urea	√			
		DAP	√			
		SSP	√			
		Others	√			
9	Prevailing market price of fertilizer	Details	Price (Rs. per kg)			
		Neem Coated Urea	6.03			
		DAP	23.01			
		SSP (Granule)	6.47			
		SSP (Powder)	5.96			
		Others (12:32:16)	21.94			
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available		
		√				
11	Prevailing wage rate for casual labour in agriculture (Rs/day)	Male	Female			
		180-200	100-120			
12	Availability of institutional credit for agriculture in the state (Year 2014-15)	Target (Rs. crore)	Achievement (Rs. crore)			
		67186.94	52502.30			
13	Electricity availability for irrigation pump sets (number of hours per day)	8 hours				
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available		
		√				
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available		
			√			
	Remarks and observations					

Agro-Economic Research Centre for Bihar & Jharkhand, TM Bhagalpur University, Bhagalpur, Bihar
Name of AERC: **Bhagalpur**State: **Bihar**Quarter Covered: **Jul - Sep 2016**

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		800 (approx.)		831.9			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		11		38			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	31.0	34.0		
		2	Maize	4.17	4.75		
		3	Arhar	0.47	0.76		
		4	Total Pulses	1.50	1.75		
		5	Total Oilseeds	0.18	0.20		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Paddy			√	
		2	Maize				√
		3	Arhar			√	
		4	Total Pulses			√	
		5	Total Oilseeds			√	
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Rice (Medium)	2800.00			
		2	Wheat	1650.00			
		3	Maize	1200.00			
		4	Arhar	9000.00			
		5	Gram	8500.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy	√			
		2	Maize	√			
		3	Arhar	√			
		4	Other Pulses	√			
		5	Oilseeds	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy (HYV)	30	
		2	Paddy (Hybrid)	225	
		3	Maize(Hybrid)	300	
		4	Arhar	120	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others	√		
9	Prevailing market price of fertilizer	Details	Price (Rs. per kg)		
		Urea	7.00		
		DAP	24.00		
		SSP	10.00		
		Others	12.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs.200	Rs.150		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		48000 (Annual)	17280 (Approx.)		
13	Electricity availability for irrigation pump sets (number of hours per day)	8 hours (Approx.)			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
		√			
	Remarks and observations				

Agro-Economic Research Centre for Bihar & Jharkhand, TM Bhagalpur University, Bhagalpur, Bihar
Name of AERC: **Bhagalpur**State: **Jharkhand**Quarter Covered: **Jul - Sep 2016**

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		830 (Approx.)		873.20			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		5		24			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	1.355	1.680		
		2	Maize	0.114	0.123		
		3	Total Pulses	0.256	0.330		
		4	Total Oilseeds	0.018	0.033		
		5	Total Coarse Cereals	0.028	0.047		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Paddy			√	
		2	Maize				√
		3	Arhar				√
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Rice (Medium)	2700			
		2	Wheat	1700			
		3	Maize	1200			
		4	Arhar	9000			
		5	Gram	8600			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy	√			
		2	Maize	√			
		3	Arhar		√		
		4	Other Pulses	√			
		5	Oilseeds	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy (Hybrid)	200	
		2	Paddy (HYV)	188	
		3	Maize (local)	75	
		4	Arhar	140	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others	√		
9	Prevailing market price of fertilizer	Details	Price (Rs. per kg)		
		Urea	7.00		
		DAP	24.00		
		SSP	10.00		
		MOP	12.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs/day)	Male	Female		
		250	150		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		7356.41 (Annual)	2454.00 (Approx)		
13	Electricity availability for irrigation pump sets (number of hours per day)	8-10 hours			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
		√			
	Remarks and observations				

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

Name of AERC: Jorhat

State: Assam

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		889.5	1095.01				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		8	27				
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Winter Paddy	18.81	19.35		
		2	Pulses	1.46	2.25		
		3	Maize	0.28	1.00		
		4	Jute	0.70	1.35		
		5	Sugarcane	0.30	0.50		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Winter Paddy		√		
		2	Pulses		√		
		3	Maize		√		
		4	Jute		√		
		5	Sugarcane		√		
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Winter Paddy	1380.00			
		2	Pulses	3750.00			
		3	Maize	1300.00			
		4	Jute	2600.00			
		5	Sugarcane	240.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Winter Paddy		√		
		2	Pulses		√		
		3	Maize		√		
		4	Jute		√		
		5	Sugarcane		√		

Sl.No.	Indicators	Current status			
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Winter Paddy	33.00-250.00	
		2	Pulses	130.00	
		3	Maize	50.00-80.00	
		4	Jute	85.00-125.00	
		5	Sugarcane	37.00-55.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea		√	
		DAP		√	
		SSP		√	
		Others		√	
9	Prevailing market price of fertilizer	Details	Price (Rs. per kg)		
		Urea	8.50		
		DAP	28.00		
		SSP	10.00		
		Others	10.00 - 15.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 250.00	Rs. 180.00		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		5710	861		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

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

Name of AERC: Jorhat

State: Manipur

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (01-7-2016 to 30-09-2016)	Actual		Normal			
		662.1		722.5			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		3		9			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	2.40	2.50		
		2	Oilseeds	0.37	0.39		
		3	Maize	0.26	0.29		
		4	Pulses	0.30	0.33		
		5	Sugarcane	0.05	0.06		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	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.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	1350.00			
		2	Oilseeds	3150.00			
		3	Maize	1290.00			
		4	Pulses	3600.00			
		5	Sugarcane	240.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy		√		
		2	Oilseeds		√		
		3	Maize		√		
		4	Pulses		√		
		5	Sugarcane		√		

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy	35.00-235.00	
		2	Oilseeds	125.00	
		3	Maize	40.00-70.00	
		4	Pulses	90.00-120.00	
		5	Sugarcane	36.00-50.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea		√	
		DAP		√	
		SSP		√	
		Others		√	
9	Prevailing market price of fertilizer	Details	Price (Rs. per kg)		
		Urea	8.00		
		DAP	21.50		
		SSP	9.00		
		Others	10.00-15.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 250.00	Rs. 160.00		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		NA	NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

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

Name of AERC: Jorhat

State: Meghalaya

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (01-7-2016 to 30-09-2016)	Actual	Normal				
		1169.25	1410.12				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		2	7				
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Kharif Paddy	0.64	0.080		
		2	Maize	0.18	0.20		
		3	Pulses	0.07	0.09		
		4	Jute	0.05	0.06		
		5	Oilseeds	0.13	0.19		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Kharif Paddy		√		
		2	Maize		√		
		3	Pulses		√		
		4	Jute		√		
		5	Oilseeds		√		
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Kharif Paddy	1340.00			
		2	Maize	1295.00			
		3	Pulses	3700.00			
		4	Jute	2500.00			
		5	Oilseeds	3200.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Kharif Paddy		√		
		2	Maize		√		
		3	Pulses		√		
		4	Jute		√		
		5	Oilseeds		√		

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Kharif Paddy	40.00-245.00	
		2	Maize	40.00-87.00	
		3	Pulses	125.00	
		4	Jute	120.00	
		5	Oilseeds	90.00-125.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea		√	
		DAP		√	
		SSP		√	
		Others		√	
9	Prevailing market price of fertilizer	Details	Price (Rs. per kg)		
		Urea	8.50		
		DAP	22.00		
		SSP	8.00		
		Others	10.00-15.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 250.00	Rs. 160.00		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		NA	NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

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

Name of AERC: Jorhat

State: Mizoram

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (01-7-2016 to 30-09-2016)	Actual	Normal				
		1121.8	1224.5				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		3	8				
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	0.60	0.72		
		2	Oilseeds	0.03	0.05		
		3	Maize	0.07	0.09		
		4	Pulses	0.04	0.07		
		5	Sugarcane	0.01	0.02		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	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.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	1360.00			
		2	Oilseeds	3250.00			
		3	Maize	1310.00			
		4	Pulses	3650.00			
		5	Sugarcane	240.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy		√		
		2	Oilseeds		√		
		3	Maize		√		
		4	Pulses		√		
		5	Sugarcane		√		

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy	35.00-250.00	
		2	Oilseeds	90.00-120.00	
		3	Maize	45.00-80.00	
		4	Pulses	95.00-125.00	
		5	Sugarcane	35.00-60.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea		√	
		DAP		√	
		SSP		√	
		Others		√	
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	8.50		
		DAP	21.00		
		SSP	7.00		
		Others	10.00-15.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 250	Rs. 200		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		NA	NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

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

Name of AERC: Jorhat

State: Arunachal Pradesh

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual		Normal			
		677.3		776.4			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		6		16			
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	1.30	1.50		
		2	Oilseeds	0.04	0.06		
		3	Pulses	0.07	0.08		
		4	Maize	0.47	0.53		
		5	Sugarcane	0.02	0.03		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	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.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	1350.00			
		2	Oilseeds	3250.00			
		3	Pulses	3650.00			
		4	Maize	1290.00			
		5	Sugarcane	235.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy		√		
		2	Oilseeds		√		
		3	Pulses		√		
		4	Maize		√		
		5	Sugarcane		√		

Sl.No.	Indicators	Current status			
7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy	35.00-225.00	
		2	Oilseeds	80.00-130.00	
		3	Pulses	90.00-130.00	
		4	Maize	45.00-70.00	
		5	Sugarcane	35.00-50.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea		√	
		DAP		√	
		SSP		√	
		Others		√	
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg)		
		Urea	8.00		
		DAP	22.00		
		SSP	8.00		
		Others	10.00 - 15.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 230.00	Rs. 170.00		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		NA	NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

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

Name of AERC: Jorhat

State: Nagaland

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (01-7-2016 to 30-09-2016)	Actual	Normal				
		881.40	910.44				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		4	11				
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Paddy	1.82	2.90		
		2	Oilseeds	0.64	0.69		
		3	Pulses	0.32	0.40		
		4	Maize	0.70	0.86		
		5	Jute	0.05	0.09		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	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.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy	1330.00			
		2	Oilseeds	3200.00			
		3	Pulses	3750.00			
		4	Maize	1310.00			
		5	Sugarcane	240.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Paddy		√		
		2	Oilseeds		√		
		3	Pulses		√		
		4	Maize		√		
		5	Sugarcane		√		

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Paddy	40.00-240.00	
		2	Oilseeds	80.00-110.00	
		3	Pulses	90.00-240.00	
		4	Maize	40.00-80.00	
		5	Sugarcane	38.00-50.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea		√	
		DAP		√	
		SSP		√	
		Others		√	
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	8.00		
		DAP	20.00		
		SSP	7.50		
		Others	10.00-15.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 250	Rs. 180		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		NA	NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

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

Name of AERC: Jorhat

State: Tripura

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm) (1-7-2016 to 30-9-2016)	Actual	Normal				
		910.7	938.9				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		1	4				
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Aman Paddy	1.46	1.46		
		2	Maize	0.03	0.05		
		3	Kharif Pulses	0.04	0.07		
		4	Kharif Oilseeds	0.07	0.10		
		5	Jute	0.02	0.03		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Aman Paddy		√		
		2	Maize		√		
		3	Kharif Pulses		√		
		4	Kharif Oilseeds		√		
		5	Jute		√		
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Aman Paddy	1340.00			
		2	Maize	1300.00			
		3	Kharif Pulses	3650.00			
		4	Kharif Oilseeds	3200.00			
		5	Jute	240.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Aman Paddy		√		
		2	Maize		√		
		3	Kharif Pulses		√		
		4	Kharif Oilseeds		√		
		5	Jute		√		

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Aman Paddy	35.00-220.00	
		2	Maize	45.00-80.00	
		3	Kharif Pulses	90.00-125.00	
		4	Kharif Oilseeds	90.00-125.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea		√	
		DAP		√	
		SSP		√	
		Others		√	
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	8.00		
		DAP	20.50		
		SSP	8.00		
		Others	10.00-15.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		Rs. 250	Rs. 170		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		1296.82	286.65		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

Sources: 1) Economic survey, 2) Statistical handbook, 3) Website of agriculture department, 4) Nedfi data bank, 5) IMD, website and 6) Minutes of SLBC meeting

Agro-Economic Research Centre, West Bengal

Name of AERC: Shantiniketan

State: West Bengal

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current status					
1	Average Rainfall (mm)	Actual	Normal				
		7057.2	7255.2				
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall	Total number of districts				
		10	19				
3	Area covered under major crops	Sl. No.	Name of the crop	Actual area (Lakh ha)	Targeted area (Lakh ha)		
		1	Aus paddy	2.52	2.20		
		2	Aman Paddy	40.09	40.60		
		3	Maize	0.52	0.54		
		4	Kalai (Urad)	0.59	0.65		
		5	Jute	5.10	5.80		
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Aus paddy			√	
		2	Aman Paddy			√	
		3	Maize				√
		4	Kalai (Urad)				√
		5	Jute				√
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Aus paddy	1110.00			
		2	Aman Paddy	1300.00			
		3	Maize	1365.00			
		4	Kalai (Urad)	9950.00			
		5	Jute	4100.00			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Aus paddy	√			
		2	Aman Paddy	√			
		3	Maize	√			
		4	Kalai (Urad)	√			
		5	Jute	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Aus paddy	25.00	
		2	Aman Paddy	32.00	
		3	Maize	15.00	
		4	Kalai (Urad)	45.00	
		5	Jute	47.00	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others	√		
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	10.00		
		DAP	30.00		
		SSP	11.50		
		Others	28.00		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)	Male	Female		
		235.00	235.00		
12	Availability of institutional credit for agriculture in the state	Target (Rs. crore)	Achievement (Rs. crore)		
		36729.00	33225.00		
13	Electricity availability for irrigation pump sets (number of hours per day)	NA			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
			√		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
			√		
	Remarks and observations				

Agro-Economic Research Centre, Vallabh Vidyanagar

Name of AERC: VV Nagar

State: Gujarat

Quarter Covered: Jul - Sep 2016

Sl.No.	Indicators	Current Status					
1	Average Rainfall (mm) (01.06.2016 to 28.09.2016)	Actual		Normal			
		694.6		908.1			
2	No. of districts received deficit rainfall in the state	No. of districts with deficit rainfall		Total number of districts			
		16		33			
3	Area covered under major crops (as on 26.09.2016) (Source: http://dag.gujarat.gov.in)	Sl. No.	Name of the crop	Actual Area (000 ha.)	Target Area (000 ha.)*		
		1	Paddy	783.0	761.2		
		2	Bajra	179.3	146.3		
		3	Jowar	65.9	76.8		
		4	Maize	323.9	300.9		
		5	Tur	345.0	231.8		
		6	Moong	147.0	103.8		
		7	Moth	31.5	15.3		
		8	Urad	201.0	67.6		
		9	Groundnut	1642.2	1295.8		
		10	Sesamum	136.5	154.2		
		11	Castor	562.7	778.3		
		12	Soyabean	137.9	91.9		
		13	Cotton	2404.9	2761.2		
		14	Tobacco	44.8	43.3		
		15	Guvar Seed	223.7	342.5		
		16	Vegetable	222.7	218.8		
17	Fodder	1137.6	1076.4				
4	Incidence of major pests and diseases in principal crops sown (√)	Sl. No.	Name of the Crop	Severe	Moderate	Low	Not at all
		1	Paddy			√	
		2	Bajra			√	
		3	Jowar			√	
		4	Maize			√	
		5	Tur		√		
		6	Moong		√		
		7	Moth		√		
		8	Urad		√		
		9	Groundnut		√		
		10	Sesamum		√		
11	Castor			√			

		12	Soyabean			√	
		13	Cotton		√		
		14	Tobacco			√	
		15	Guvar Seed			√	
		16	Vegetable			√	
		17	Fodder				√
5	Farm output price of major crops	Sl. No.	Name of the crop	Price (Rs. per quintal)			
		1	Paddy				
		1a	- Common	1470			
		1b	- Grade A	1510			
		2	Bajra	1330			
		3	Jowar				
		3a	- Hybrid	1625			
		3b	- Maldandi	1650			
		4	Maize	1365			
		5	Tur	5050			
		6	Moong	5225			
		7	Moth	5800			
		8	Urad	5000			
		9	Groundnut	4220			
		10	Sesamum	5000			
		11	Soyabean				
		11a	- Black	2775			
		11b	- Yellow	2775			
		12	Cotton				
		12a	- Medium Staple	3860			
		12b	- Long Staple	4160			
6	Seed availability in the local market for major crops (√)	Sl. No.	Name of the crop	Adequate	Shortage	Not available	
		1	Wheat	√			
		2	Maize	√			
		3	Cumin	√			
		4	Coriander	√			
		5	Onion	√			
		6	Gram	√			
		7	Mustard	√			
		8	Potato	√			
		9	Isabgol	√			

7	Prevailing market price of seed of major crops	Sl.No.	Name of the crop	Price (Rs. per Kg.)	
		1	Wheat	22-30	
		2	Maize	20-25	
		3	Cumin	170-200	
		4	Coriander	60-70	
		5	Onion	750-1000	
		6	Gram	50-55	
		7	Mustard	175-200	
		8	Potato	40-50	
8	Chemical fertilizer (NPK) availability in the local market (√)	Details	Adequate	Shortage	Not available
		Urea	√		
		DAP	√		
		SSP	√		
		Others	√		
9	Prevailing market price of fertilizer	Details	Price (Rs. per Kg.)		
		Urea	6.80		
		Urea Neem coated	7.00		
		DAP	25.00		
		SSP (powder)	6.90		
		SSP (granules)	7.50		
10	Availability of agricultural labour (√)	Easily available	Shortage	Not available	
			√		
11	Prevailing wage rate for casual labour in agriculture (Rs./day)**	Male	Female		
		Rs. 250	Rs. 200		
12	Availability of institutional credit for agriculture in the state (Year 2014-15)	Target (Rs. crore)	Achievement (Rs. crore)		
		NA	NA		
13	Electricity availability for irrigation pump sets (number of hours per day)	8-9 hours			
14	Availability of farm machinery for timely sowing, harvesting and other operations (√)	Easily available	Shortage	Not available	
		√			
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (√)	Adequate	Shortage	Not available	
		√			
	Remarks and observations	* Because of unavailability of targeted area figures, the previous year area under Kharif season has been taken as the proxy.			

Note: Data reported are provisional. NA implies Not Available.



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Dr. A.V. Manjunatha born in 1980 is an Agricultural Economist with the Institute for Social and Economic Change where he also teaches agricultural production economics, natural resource economics and statistics to doctoral students and academic fraternity. An academician at heart, he has an undergraduate degree in Agricultural Marketing and Cooperation followed by a Masters in Agricultural Economics from University of Agricultural Sciences, Bengaluru. The Master's degree was supported by the '*Junior Research Fellowship*' of The World Bank project on Natural Resource Management. He went on for an International Masters in Rural Development (IMRD) degree from University of Gent, Belgium on an Erasmus Mundus fellowship sponsored by the European Commission, where he won the '*Best thesis award*' awarded by a consortium of 7 European universities and finally, a PhD in Agricultural Economics from Justus Liebig University, Germany sponsored by the German Academic Exchange Service (DAAD) fellowship to pursue doctoral studies in Agricultural Economics.

With his work experience spanning both national and transnational projects coupled with his active involvement in drafting policy documents for the state and central Government, his expertise has been harnessed in research findings that have been published in high ranking journals, conferences and leading national newspapers (*Journal of Environmental Management, Land Use Policy, Food Security, AgBioForum, IAAE, IWRM, EAAE* and so on).



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