Quarterly Report on INDICATORS OF AGRICULTURE

July - September 2018

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



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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, July to September 2018.

> A.V. Manjunatha Assistant Professor

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griculture plays a vital role in India's economy. About 54 per cent of the population is engaged in agriculture and allied activities (census 2011) contributing 17.4 per cent to the Gross Value Added for the year 2016-17 (at current prices). There has been a continuous decline of its share in the GVA from 18.6 per cent in 2013-14 to 17.4 per cent 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 by 0.79 million tonnes and also higher by 5.67 million tonnes as compared to the production of 38.52 million tonnes achieved during 2015-16. 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 food grain 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 record production of food grain of 265.04 million tonnes (2013-14) and also higher by 24.12 million tonnes than the food grain 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 Centres (AERCs) located across India. The most of the data on agricultural indicators pertains to the period, July to September 2018. The basic data regarding agricultural indicators received from twenty-three States, namely Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Himachal Gujarat, Haryana, Pradesh, Jharkhand. Madhya Karnataka, 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

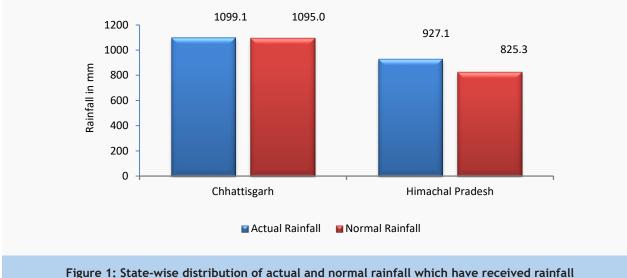
- 11. Prevailing wage rate for casual labour in agriculture
- 12. Availability of institutional credit for agriculture
- 13. Electricity availability for irrigation pump sets
- 14. Availability of farm machinery for timely sowing, harvesting and other operations
- 15. Availability of organic manure,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

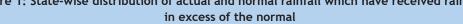
1. Average Rainfall

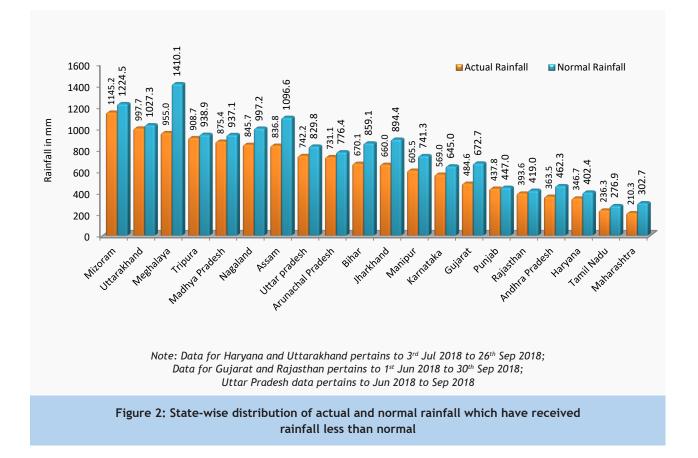
The overall rainfall status for 3rd quarter of 2018 for 23 states indicated that only two states have received rainfall in excess of their normal rainfall and the remaining 21 states received rainfall lower than normal rainfall. The excess rainfall was reported mainly in Chhattisgarh and Himachal Pradesh. Chhattisgarh and Himachal Pradesh have received lesser 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. Andhra Pradesh, Gujarat, Rajasthan, Tamil Nadu and West Bengal have received excess rainfall than the normal during the corresponding quarter of the previous year. The comparative figures for actual and normal rainfall of different states are depicted in **Figure 1** and **Figure 2** for those states which received higher rainfall than the normal and for those states which received lower rainfall than the normal, respectively. Among the states that have received excess rainfall, Himachal Pradesh had recorded excess rainfall than the normal to the tune of 12 per cent followed by Chhattisgarh (0.37 Per cent).

2.Percentage of Deficit Rainfall Districts

The rainfall data received for 23 states covering 557 districts. Around 37 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 38 per cent of the districts as deficit. It is to note that none of the districts of Chhattisgarh and Rajasthan had received deficit rainfall in this quarter. Around 75 per cent of districts in Jharkhand had received deficit rainfall. Above 60 per cent of the districts in Maharashtra, West Bengal, Tamil Nadu and Bihar had received deficit rainfall. Above 50 per







cent of districts in Tripura, Andhra Pradesh and Gujarat had received deficit rainfall. The deficit rainfall was observed in the districts of Himachal Pradesh (25 Per cent) despite the state had received excess rainfall than the normal. Deficit rainfall was reported in 2 districts of Tripura and 3 districts each of Arunachal Pradesh, Himachal Pradesh, Meghalaya and Mizoram. Above 30 per cent of districts of Nagaland, Manipur, Meghalaya, Karnataka, Haryana, Mizoram and Uttarakhand had received deficit rainfall. Jharkhand, Maharashtra, West Bengal, Tamil Nadu and Bihar 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 3 in the descending order.

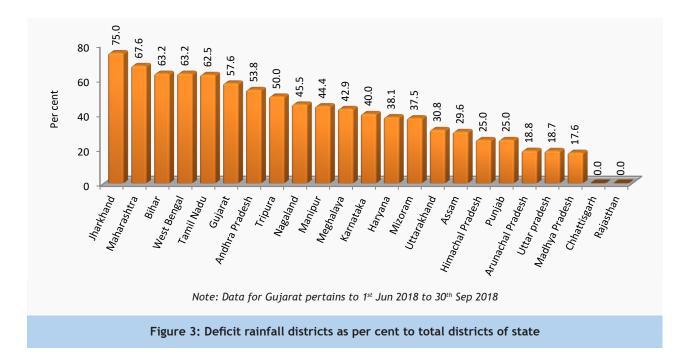
3. Area Covered Under Major Crops

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, 80 million hectares was the actual area covered out of the targeted area of 85 million hectares. Thus, the achievement was 94 per cent of the targeted area covered by major crops. The per cent achievement as against the target has increased from corresponding quarter of previous year to current year, which can be clearly seen in **Figure 4**.

The performance of states on the basis of per cent achievement to targeted area within this quarter is presented in **Figure 5**. It can be clearly seen from the figure that Haryana, Madhya Pradesh, Maharashtra, Gujarat, Chhattisgarh, Punjab, Uttar Pradesh and Himachal Pradesh have exceeded the targeted area. Uttarakhand, West Bengal, Bihar, Karnataka and Tripura have crossed 90 per cent of the targeted area. The states like Manipur, Assam, Rajasthan, Jharkhand, Arunachal Pradesh, Andhra

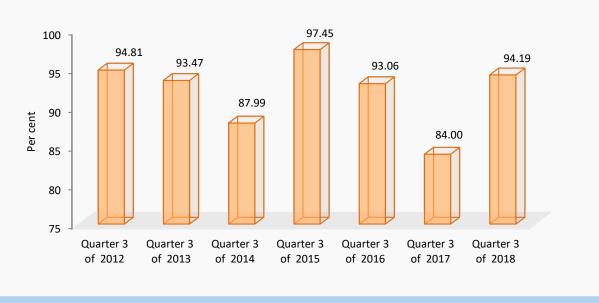
Quarterly Report on Indicators of Agriculture



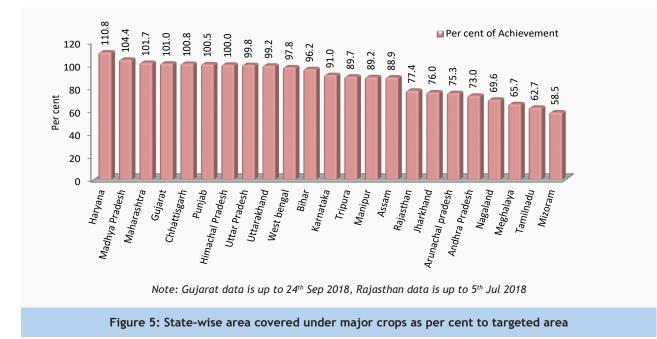
Pradesh and Nagaland have crossed 70 per cent of the targeted area. This higher achievement to target percentage was mainly due to the state and central Government programmes.

Among crop categories, cereals are major, which covered 56 per cent of the total area. Area under paddy was the highest not only under cereals but among all crops. It accounts for 69 per cent of area under cereals and 39 per cent of total area under major crops. Maize was another cereal crop which covered 14 per cent of area under cereals and 8 per cent of total area under major crops. Wheat was another cereal crop which claimed 8 per cent of area under cereals and 4 per cent of total area under major crops.

Among the pulses, area under Red Gram was the highest which accounts for 28 per cent of area under pulses and 3 per cent of total area under



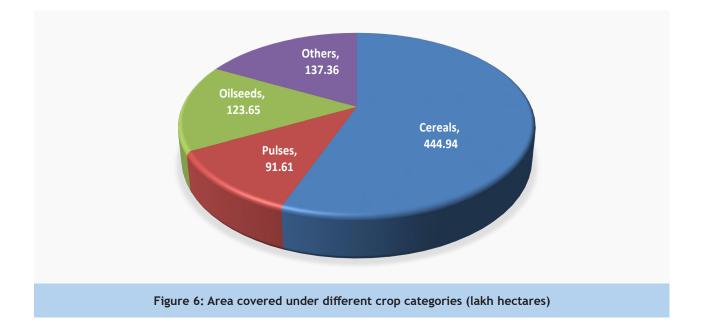




major crops. The share of pulses and oil seeds in the total area covered under major crops was 12 per cent and 16 per cent, respectively. Red Gram, Lentil, Cowpea, Chickpea, Green Gram and Black Gram were the main pulse crops. Other crop categories include vegetables and cash crops (sugarcane, jute, tobacco and cotton). These crops accounts for 17 per cent of the total area covered. The area covered under cereals, pulses, oilseeds and other crops is given in Figure 6.

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, Gujarat, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Uttarakhand. The incidence of pests and diseases was relatively lower in Bihar, Chhattisgarh, Haryana, Himachal Pradesh, Madhya Pradesh, Punjab, Tamil Nadu and



Uttar Pradesh. Interestingly, no attack of pests and diseases was reported in Jharkhand, Karnataka, Maharashtra, Rajasthan and West Bengal with respect to only 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 Jharkhand (Rs.3033/qtl) and lowest in West Bengal (Rs.1300/qtl). The price of Wheat varied between Rs.1717/qtl in Bihar and Rs.1840/ qtl in Andhra Pradesh. The price of Maize varied between Rs.917/qtl in Jharkhand and Rs.4250/ qtl in Uttar Pradesh. The price of Gram varied between Rs.6533/qtl in Jharkhand and Rs.3490/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 like 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 July 2018 to September 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.20 in

Gujarat and Jharkhand and Rs.45 in Tripura. Price of hybrid variety paddy seeds per kilogram ranged between Rs.100 in Assam and Rs.300 in Jharkhand and Bihar. While the price of local variety maize ranged between Rs.15 in Jharkhand and Rs.67.5 in Uttar Pradesh. The price of hybrid variety maize ranged between Rs.48 in Meghalaya and Rs.400 in Bihar.

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

Supply of chemical fertilizers (Urea, SSP and DAP) was adequate in all the states like 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. It is significant to note that no deficit of Urea was reported in 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

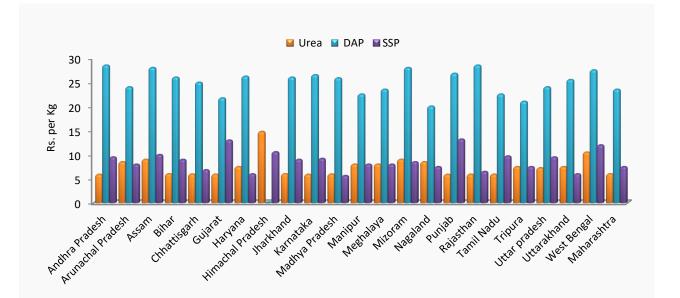
Prevailing market price of fertilizers are given in **Figure 7**. The prices of fertilizers are relatively higher in Himachal Pradesh (Urea - Rs.14.75/kg), Andhra Pradesh and Rajasthan (DAP - Rs.28.50/kg each) and Punjab (SSP - Rs.13.2/kg) as compared to remaining states for respective fertilizers. The prices of Urea (Nitrogenous fertilizer) ranged from Rs.5.89/kg in Punjab to Rs.14.75/kg in Himachal Pradesh. Similarly, prices of DAP varied between Rs.20.00/kg in Nagaland and Rs.28.50/kg in Andhra Pradesh and Rajasthan. The prices of SSP varied between Rs.5.65/kg in Madhya Pradesh and Rs.13.20/kg in Punjab.

10. Availability of Agricultural Labour

The access to agricultural labour was better in Andhra Pradesh, Chhattisgarh, Himachal Pradesh,

Shahaa	Pa	ddy	٨	Naize
States	Local Variety	Hybrid Variety	Local Variety	Hybrid Variety
Andhra Pradesh	30-40	-	-	-
Arunachal Pradesh	36-50	70-225	33-50	62-70
Assam	38-51	70-130	50-60	70-85
Bihar	25	300	18	400
Chhattisgarh		275	-	210
Gujarat	15-25	65-400	-	-
Haryana	-	160-165	-	-
Himachal Pradesh	-	199	-	75
Jharkhand	20	300	15	350
Karnataka	32.5	-	-	-
Madhya Pradesh	18-43.5	275	26-33	222
Maharashtra	-	-	-	245
Manipur	34-47	85-200	26-39	44-68
Meghalaya	36-44	80-200	26-40	38-58
Mizoram	35-41	73-210	26-40	50-86
Nagaland	37-50	80-210	30-42	45-65
Punjab	-	-	-	135-350
Rajasthan	-	-	30	-
Tamil Nadu	32	-	-	230-290
Tripura	34-56	70-190	29-38	40-60
Uttar Pradesh	32-55	225-285	65-70	110-115
Uttarakhand	150-200	-	-	-
West Bengal	28-35	-	18	-

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



Note: Data has not been received from Himachal Pradesh for the DAP

Figure 7: Prevailing market price of fertilizer

Madhya Pradesh, Punjab and Uttar Pradesh, whereas it is shortage in Assam, Arunachal Pradesh, Bihar, Gujarat, Haryana, Jharkhand, Karnataka, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Rajasthan, Tamil Nadu, Tripura, Uttarakhand and West Bengal.

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

- No agricultural labours available for farming work during picking season because the labourers prefer to work more in the industrial area than agriculture since agriculture is found less remunerative.
- Low wage rate and low employment growth rate in Agriculture.
- 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.
- Migration of labour to urban and metro cities of India for better livelihood is a pertinent issue.
- Growing of small tea gardens in Assam 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 create the shortage of labour.
- In hilly states, shortage of labour is a very common problem as there is a limitation of using modern machinery due to its topography and the demand of manual labour is very high as compared to a plain state in all agricultural operations.
- Labour migration due to liquor ban and reluctance for wage employment as a consequence of subsidized grains through PDS.

Taking indigenous liquor almost on daily basis is a common practice, particularly among tribal labours, leading to reluctance for wage employment.

- 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 in the state, backed by the higher wage and lesser workload under the MGNREGA Scheme.
- Due to larger proportion of fallow land in Jharkhand, significantly large area is mono-cropped.

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

- Agricultural labourers must find some other sources to generate additional income to support their families
- Full assured irrigation is a must to engage agricultural labourers throughout the year so that mono cropped area can be converted to double or triple cropped area
- Mechanization in agriculture may be promoted. Mechanization of some selected activities can mitigate the shortage of labour
- Agricultural wage rates may be enhanced
- Awareness drive about the ill effects of indigenous liquor be largely undertaken
- Scaling up of MGNREGA and non-farm activities
- MGNREGA work may be postponed during peak agricultural operations. The MGNREGA scheme should be integrated to agricultural sector, so as to the labours can also be asked for the agriculture sector job under the MGNREGA scheme. Steps should be taken to implement MGNREGA before or after sowing and harvesting work
- Providing more technically efficient extension services, programme and training to the farmers
- Improving agro-infrastructure such as

more efficient irrigational facilities, online marketing system and ease in availability of institutional credit.

• Suitable revival measurement for fallow land should be taken. Allied activities need to be expanded and strengthened.

11. Prevailing Wage Rate for Casual Labour in Agriculture

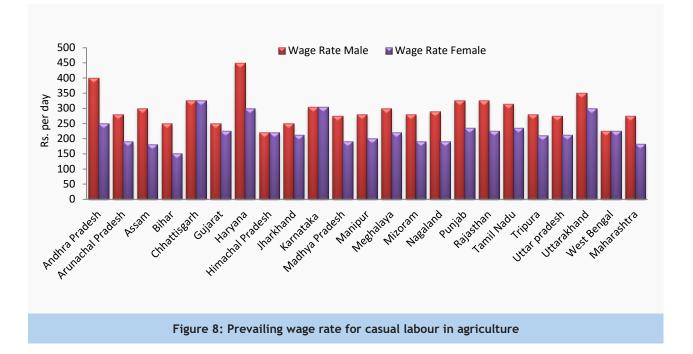
Prevailing wage rate for casual labour in agriculture is presented in Figure 8. It is noticed from the figure that male and female labour had received same wage rates in Chhattisgarh, Himachal Pradesh, Karnataka and West Bengal. In the remaining States, the wage rates of males were relatively higher 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.225/day in West Bengal and Rs.220/ day in Himachal Pradesh 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. Seventeen States have provided the information regarding target and achievement of institutional agricultural credit (Figure 9). It was found that Chhattisgarh achieved 90 per cent of the target flow of institutional credit to agriculture. The achievement was 74 per cent, 67 per cent and 65 per cent of the target in Maharashtra, Rajasthan and Himachal Pradesh respectively. The remaining States like Uttar Pradesh, Assam, Andhra Pradesh, Haryana, Uttarakhand, Bihar, Manipur, Tripura, Jharkhand, Karnataka, Madhya Pradesh, West Bengal 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.

Following were the major reasons opined by states for less achievement against the target:

• Reluctance at both ends i.e., farmers and financial institutions.



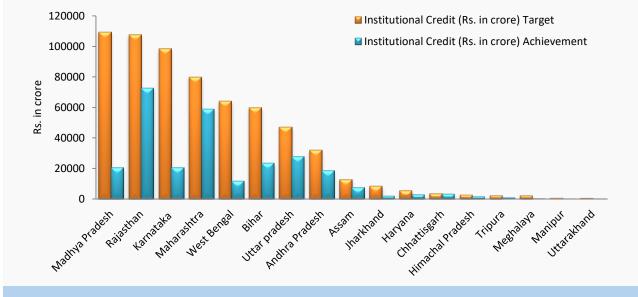


Figure 9: Availability of Institutional Credit for Agriculture in the State

Table 2: Availability of Institutiona	l Credit for Agricu	Iture in the State	(Rs. in crore)
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Sl. No.	State	Target	Achievement	Per cent
1	Chhattisgarh®	3600.00	3242.12	90.06
2	Maharashtra	80000.00	58862.00	73.58
3	Rajasthan®®®	107883.60	72787.25	67.47
4	Himachal Pradesh**	2674.24	1740.44	65.08
5	Uttar Pradesh	47065.57	27972.84	59.43
6	Assam	12846.51	7592.13	59.10
7	Andhra Pradesh	31895.00	18541.00	58.13
8	Haryana®®	5392.30	2984.55	55.35
9	Uttarakhand	475.00	206.05	43.38
10	Bihar	60000.00	23500.00	39.17
11	Manipur	486.31	175.55	36.10
12	Tripura	2338.77	735.36	31.44
13	Jharkhand	8336.60	2050.00	24.59
14	Karnataka*	98654.53	20606.48	20.89
15	Madhya Pradesh***	109264.00	20644.00	18.89
16	West Bengal	64071.00	11846.00	18.49
17	Meghalaya	2155.41	377.05	17.49

Note: * Data pertains to June 2018, SLBC, Karnataka

^{**} Data pertains to June 2018 (149th SLBC meeting of Shimla) published by UCO Bank, Himachal Pradesh

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

[®] Data pertains to 30th May 2018, SLBC, Chhattisgarh (MP)

^{@@} Data pertains to target is for kharif 2018-19, Haryana

eee Data pertains to Quarter ended March 2018, Rajasthan

- Role of middle man in selection of beneficiaries.
- Selection procedure of beneficiaries was not followed as per the guidelines fully.
- Bank officials are reluctant to disburse credit because repayment is not satisfactory.
- To avoid over financing in agriculture.
- Less requirements during summer season.
- Financial institution has the tendency to allow credit to the larger land holding groups.
- Marginal and small farmers are not aware about this institutional credit.

Some suggestions to overcome the less achievement are as follows:

- Awareness among the farmers and constant monitoring of financial institutions in regard to disbursement of credit.
- Selection of beneficiaries must be hassle free.
- Pre-conceived notion of waiving of loan amongst the credit seeker is to be removed through mass awareness programs.
- Role of middlemen is to be minimized/ eliminated.
- Need to expedite during on-going Kharif and ensuing Rabi season.
- Improve the credit flow to the needy farmers especially to small and marginal farmers
- Administrative difficulties faced by the farmers at the time of acquiring loan should be minimized.

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 and Himachal Pradesh, 20 hrs in Uttarakhand, 18 to 20 hrs in Tamil Nadu and Uttar Pradesh, 13 hrs in Jharkhand, 12 hrs in Bihar, 9 hrs in Andhra Pradesh and Maharashtra, 8 hrs in Gujarat, Haryana and Madhya Pradesh, 6 to 7 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. Maharashtra suggested that improve the transmission and prevent losses. Tamil Nadu suggested that, improve the technical irrigation system like drip and sprinkler irrigation.

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

Farm machinery was easily available in Andhra Pradesh, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Karnataka, Madhya Pradesh, Punjab, Rajasthan, Tamil Nadu and Uttar Pradesh for timely sowing, harvesting and other operations, whereas it is shortage in Assam, Arunachal Pradesh, Bihar, Jharkhand, Maharashtra, 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.
- Around 83 per cent of the total farmers of the State belong to small and marginal groups who cannot afford to purchase all the modern and costly machinery.
- Farmers are generally not willing to purchase due to high price of machinery, its maintenance cost, fuel cost and poor knowledge of machinery management. Hence dealers usually keep low stock of all types' of machinery.
- At present, there are only few farm machinery banks in the Bihar state.
- Availability is less at different stages of crop cycle specifically land preparation and harvesting.

Some suggestions to overcome the shortage of farm machineries are as follows:

- Govt. can introduce different programmes for supply of farm machinery to the farmers at subsidized rate.
- Rental value of land is to be fixed in such a way that the farmers can earn the benefit from their small and marginal cultivable land holding and at the same time they can work or engage themselves in other agricultural activities with proper terms and conditions, if interested. This will definitely increase the use of farm machinery and equipment which will encourage the dealers to maintain large stocks
- The use of farm machinery is possible for large areas under operation only, for which the concept of co-operative farming, contract farming, etc.,needs to be encouraged to redress the problems of the small and marginal farmers
- The State Department can try to implement the schemes under the Central sector along with the state plan schemes to reduce the shortage.
- Establishment of servicing centres for farm machinery.
- Establishment of farm machinery banks is required at block/tehsil level in Bihar and Jharkhand State.
- Promote custom hiring of farm machinery at reasonable rate.
- Steps should be taken to increase supply of farm machineries to the farmers in West Bengal.

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

The availability of organic manure, farmyard manure, vermi-compost and bio-fertilizers was

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

Following were the major reasons opined by states for shortage of organic manure, farmyard manure, vermi-compost and bio-fertilizers:

- Low consumption of fertilizer, farmers' lack of awareness and fear of wastage in run off due to its topography are the main causes of shortage of bio-fertilizer.
- Present policy initiatives are not sufficient enough to meet the demand and hence shortage persists
- Low production of organic manure, farm-yard manure, vermin- compost and bio-fertilizer.

Some suggestions to overcome the shortage of organic manure, farmyard manure, vermi-compost and bio-fertilizers are as follows:

- Govt. can encourage the farmers to go with the organic farming system in order to take advantage of increasing demand and higher prices for organically grown crops. Under this situation, the State Government has taken up some programmes for production of organic manure and bio- fertilizers.
- To adopt supportive policy to ensure availability of organics & bio-fertilizer.
- The number of bio-fertilizer production units should be increased and their production capacity should be enhanced.
- Subsidized production of organic manures.
- Production of organic manures can be increased targeting the demand.
- Develop the marketing facility and encourage the private enterprises.

Filled-in Questionnaires of AERCs for different States

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

Sete: The Actual and Normal rainfall is accumulated rainfall from 03rd July 2018 to 26th Sep, 2018. 2 Number of districts received deficit rainfall in the State No of districts with deficit rainfall. Total number of districts with deficit rainfall. 3 Area covered under major crops (Kharif season) 2. Deficient (2) plus scons(2) districts Actual area (lakh ha) Targe (lakh ha) Targe (lakh ha) 3 Area covered under major crops (Kharif season) 2. Deficient (2) plus scons(2) districts Actual area (lakh ha) Targe (lakh ha) Targe (lakh ha) 4 Paddy (Kharif Rice) 13.29 Image (lakh ha) Targe (lakh ha) Targe (lakh ha) 4 Jowar 1.77 Image (lakh ha) Targe (lakh ha) Targe (lakh ha) Targe (lakh ha) 4 Jowar 1.77 Image (lakh ha) Targe (lakh ha) Targe (lakh ha) Targe (lakh ha) 4 Jowar 1.77 Image (lakh ha) Targe (lakh ha)	Sl.No.	Indicators			C	urrent	status					
Source: Indian Meteorological Department (IMD), Note: The Actual and Normal rainfall is accumulated rainfall from 03rd July 2018 to 26th Sep, 2018. 2 Number of districts received deficit 1 No of districts with deficit rainfall Total number of districts received deficit 8 21 Note: 1. Excess Rainfall: +20% or more than Actual Rainfall: Normal Rainfall: +7% to -1%; Deficient Rainfall: -20% to -5%; Scanty Rain 9%; No Rain -100%; 2: 'Deficit' includes deficient (2) plus scanty (2) districts Actual area (lakh ha) 12 3 Area covered under major crops (Kharif season) Si. 1 Paddy (Kharif Rice) 13.29 2 2 Cotton 6.65 3 Bajra 4.33 4 4 Jowar 1.77 Horder area (lakh ha) 10 10 4 Incidence of major pests and diseases in major crops (v) Si. No. Crop Name Moderate Low 2 Cotton 4 Jowar 1.77 4 iource: District Nodal Officer, Pinjore, Haryana Si. No. Crop Name Moderate Low 4 Jowar 1 Paddy V V 1 5 Farm output price of major crops Si.No. <t< td=""><td>1</td><td>Average Rainfall (mm)</td><td></td><td>Actual</td><td></td><td></td><td></td><td colspan="5">Normal</td></t<>	1	Average Rainfall (mm)		Actual				Normal				
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Automatical and a state of the state of			2	Cotton	5714.	41	5449.03	5313.66	5492.3			
Note: Consider major Producing market Source: Agricultural Produce Market committee (Government of Haryana), agmarknet.gov.in. 6 Seed availability in the local market for major crops ($$) Sl. No. Crop Name Adequate Sh 1 Paddy $\sqrt{$ 2 Cotton $\sqrt{$ 2 Cotton $\sqrt{$ 3 Bajra $\sqrt{$ 4 Jowar $\sqrt{$ 3 Bajra $\sqrt{$ 2 Cotton $\sqrt{$ 2 Cotton $\sqrt{$ 2 Cotton $\sqrt{$ 2 Cotton $$ 2 Cotton 2 Cotton			3	Bajra	1362.	2.50 1367.		1462.16	5 1397.32			
Source: Agricultural Produce Market committee (Government of Haryana), agmarknet.gov.in. http://agmarknet.gov.in/PriceTrends/SA_Week_PriV.aspx 6 Seed availability in the local market for major crops ($$) Sl. No. Crop Name Adequate Sh 1 Paddy $\sqrt{$ 2 Cotton $\sqrt{$ 3 Bajra $\sqrt{$ 4 Jowar $\sqrt{$ 5 Source: District Nodal Officers, Deputy Director Agriculture office, Haryana 7 Prevailing market price of seed St. St. St. St. Price (Rs. per kg)			4	Jowar	1734.	26 1745.35		1786.35	5 1755.32			
major crops ($$) 1 Paddy $\sqrt{$ 1 Paddy $\sqrt{$ 2 Cotton $\sqrt{$ 3 Bajra $\sqrt{$ 4 Jowar $\sqrt{$	ource: Ag	ricultural Produce Market committee (Govern		aryana), agmarkn	et.gov.in	•						
I Paddy N 2 Cotton N 3 Bajra N 4 Jowar N	6		Sl. No.	Crop Name			Adequa	te	Shortage			
Image: Construct of the second se		major crops (V)	1	Paddy			\checkmark					
A Jowar √ Source: District Nodal Officers, Deputy Director Agriculture office, Haryana 7 Prevailing market price of seed			2				\checkmark					
ource: District Nodal Officers, Deputy Director Agriculture office, Haryana 7 Prevailing market price of seed SI Price (Rs. per kg)			3			√						
7 Prevailing market price of seed si Price (Rs. per kg)			4	Jowar	√		\checkmark					
7 Prevailing market price of seed cu Price (Rs. per kg)	ource: Dis	trict Nodal Officers, Deputy Director Agriculture	office, Ha	ryana								
(cortified) of major crops	7 Prevailing market price of seed (certified) of major crops		Sl. No.	Crop Name		Local v		orid variety				
			1						.00-165.00			
				-				-	.00-2500.00			
									.33-300.00			
				-					00-150.00			

Quarterly Report on Indicators of Agriculture

8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	A	dequate	Shortage				
	the local market $()$	1	Urea		\checkmark	-				
		2	DAP		\checkmark	-				
		3	SSP		\checkmark	-				
		4	Others (NPK)		\checkmark	-				
Reaso	on for shortage of chemical fertilizer in tl market	ne local	2	Suggestions to overcome the shortage						
	-				-					
	ishak Sewa Kendra - Indian Farm Forestry Develop	oment Co-(Limited (Kharl	khoda) - Sonep					
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Price (Rs. per kg)				
		1	Urea			7.50				
		2	DAP			26.20				
		3	SSP			6.00				
		4	Others (NPK)			23.75				
Source: Kri	ishak Sewa Kendra - Indian Farm Forestry Develop	ment Co-O	perative (IFFDCO) L	imited (Kharkl	noda) - Sonepa	t, Sirsa, Jhajjar, Pinjore				
10	Availability of agricultural labour ($\!$	asily available		SI	hortage					
	Reason for shortage of agricultural labou			Suggestions to overcome the shortage						
Local lab developed	oor migrating to service sector and highly d cities.	ı industri	programme	a) By providing more technically efficient extension service programme and training to the farmers.b) By improving agro-infrastructure such as more efficient.						
				facilities, o	nline marke	e such as more efficient ting system and ease in				
Source: inp	outs from previous Field Surveys		·							
11	Prevailing wage rate for casual labour in		Male			Female				
	agriculture (Rs./day)		450		300					
Source: Ag	ricultural Situation in India, May 2018			I.						
12	Availability of institutional credit for	Targe	et (Rs. in Crore)		Achievement (Rs. in Crore)					
	agriculture in the State		5392.30		2984.55					
Re	eason for less achievement against the ta	rget	Suggestions to overcome the shortage							
	-				-					
	ARCO Bank (Note: Including all nationalized, priva section@yahoo.com	te banks a	nd local co-operati	ve societies. To	arget is for Kh	arif 2018-19)				
13	Electricity availability for irrigation pump	sets (nur	mber of hours pe	r day)		8				
Suggestic	on for improvement on more accuracy in	electricit	y:	I						
Source: D	District Nodal Officers, Deputy Director Agri	culture oj	ffice, Haryana							
14	Availability of farm machinery for timely and other operations $\left(\mathbf{V}\right)$	sowing, h	arvesting	Easily ava	ailable	Shortage				
Source: D	Instrict Nodal Officers, Deputy Director Agric	culture of	fice, Haryana			I				
15	Availability of organic manure, farm-		Adequate			Shortage				
	yard-manure, vermi-compost, bio- fertilizer ($$)		√		Shortage					
Source: D	istrict Nodal Officers, Deputy Director Agric	ulture of								
16	Remarks and observations				-					

NA implies Not Available

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

CL N					6	rrent status						
Sl.No.	Indicators				Curre	nt s	tatus					
1	Average Rainfall (mm)		Actua				ormal					
C			997.7			1027.3						
Source: In September	dian Meteorological Department (IMD), Note: 7 r, 2018.	ne Actual a	ina Normal rainfall	i is accu	mulatea	rain	fall from 3 ¹⁰	July 2	018 to 20	5"		
2	Number of districts received deficit	No	of districts with	deficit	rainfal	ι	Total	listricts				
	rainfall in the State (June)		4					13				
No Rain -1	Rainfall: +20% or more than Actual Rainfall; No 00% ' includes deficient (2) plus scanty (2) districts	ormal Rainfo	nll: +19% to -19%; D	eficient	Rainfall	: -20	% to -59%; So	anty I	Rainfall:	-60% to -99%		
3	Area covered under major crops (Khari season)	f Sl. No.	Crop Name				ctual area (lakh ha)	-	geted area akh ha)			
		1	Paddy				2.48			2.50		
		2	Ragi				1.09			-		
		3	Soya bean	bya bean			0.24			-		
		4	Millets		0.65			-				
		5	Uradbean			0.28			8			
	5 major crops considering Gross cropped area rectorate of Economics and Statistics (State Go	vernment o	f Uttarakhand)									
4	Incidence of major pests and diseases in major crops $()$		Crop Name		Seve	re	Moderate	è	Low	Not at a		
		1	Paddy			1						
		2	Ragi				√					
		3	Soya bean			\						
			Millets				√					
		5	Uradbean				\checkmark					
ource: Ag	griculture Development Officer (ADO), Vikas Na	gar Dehradı	ın, Uttarakhand									
5	Farm output price of major crops	SI.			Price	e (Rs	(Rs. per quintal)			Average		
		No.	Crop Name	J	uly		August S		ember	Price		
		1	Paddy	y 1482		1430.69		.69 1388.10		1433.64		
		2	Ragi	300	9.76	3	009.76	300	9.76	3009.76		
		3	Soya bean	261	0.80	2	610.80	261	0.80	2610.80		
			Uradbean		-	4420.00		6000.00		5210.00		
Source: Ag	sidering the major markets gricultural Produce Market committee (State G ble hence the June month prices taken into con			kas Nag	ar), agm	arkn	et.gov.in (Pr	ices of	f Ragi an	d Soyabeans		
6 Seed availability in the local market fo major crops (/)		r Sl. No	. Crop Name		Adequate		ate	Short		age		
		1	Paddy			\checkmark						
		2	Ragi		\checkmark							
		3	Soya bean									
		4	Millets									
		5	Uradbean									
Re	ason for shortage of seed in the local i	market		Sugg	estions	to c	overcome	the sh	nortage	•		
	-						-					

Quarterly Report on Indicators of Agriculture

			1				Price (Rs. per kg)				
	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop I	Name		-					
		1	Paddy	,			Local variety 150-200	Hybrid variety			
		2	Ragi	/			35-50	-			
		3	Soya bean				33-30	200-350			
				Jean				250-330			
		4	Bajra Uradb	000			75-85	-			
Source: Agric	cultural Produce Market committee (State Gove	_			Nagar)		75-05	-			
	```							bortogo			
	Chemical Fertilizer (NPK) availability in the local market ( $$ )	Sl. No.	Urea	ilizers	Adequa √	ate	e Shortage				
		2	DAP		√						
		3	SSP		v						
		4	Other	·c			√				
Reason for	r shortage of chemical fertilizer in the			-	Suggestion	to	overcome the sh	,			
-	ilable Dehradun District market						her districts also	ortuge			
-	culture Development Officer (ADO), Vikas Nagar	Dehradun			3 availability						
-		1	1								
9 F	Prevailing market price of fertilizer	Sl. No.	Fertili	izers				s. per kg)			
		1	Urea					.5			
		2	DAP					5.5			
		3	SSP				6				
		4	Other	-			2	.4			
Source: Agric	culture Development Officer (ADO), Vikas Nagar	Dehradun	, Uttara	ikhand	1						
10	Availability of agricultural labour ( $$ )	Ea	asily av	ailable			Shortage				
							$\checkmark$				
Re	eason for shortage of agricultural labou	ur		S	Suggestions	to o	vercome the sho	rtage			
Source: Agric	culture Development Officer (ADO), Vikas Nagar	Dehradun	, Uttara	ikhand							
11 F	Prevailing wage rate for casual labour in			Male		Female					
ā	agriculture (Rs./day)			350		300					
Source: Agric	cultural Situation in India, May 2018										
12	Availability of institutional credit for	Targ	et (Rs.	in Crore)		Ac	hievement (Rs. ir	Crore)			
	agriculture in the State			et (Rs. in Crore)         Achievement (Rs. in Crore)           475.00         206.05							
Reas	son for less achievement against the tai	røet			uggestions	to o	o overcome the shortage				
	-	3					-				
Source: NABA	ARD Dehradun, Uttarakhand; dehradun@nabara	l.org;									
13 E	Electricity availability for irrigation pump	cotc (pur	mbor of	f hours por	(day)			20			
-	Electricity availability for irrigation pump		nber of	r nours per	uay)			20			
	for improvement on more accuracy in elec culture Development Officer (ADO), Vikas Nagar		llttara	khand							
			, ottara	knunu							
	Availability of farm machinery for timely sharvesting and other operations ( $$ )		Easily available			Shortage					
	Reason for the shortage			S	uggestions	to ov	vercome the sho	rtage			
							-				
Source: Agric	culture Development Officer (ADO), Vikas Nagar	Dehradun	, Uttara	khand							
	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer ( $$			Adequ √	Jate		Sho	rtage			
		Vikas Nas	Daha		- 1. la						
(		VIK(IS NICO	/ikas Nagar Dehradun, Uttarakhand								
	Remarks and observations	vikas nag	ar Denro	aaun, Uttard		٨					

NA implies Not Available

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

SI.No.	Indicators					Current	status				
1	Average Rainfall (mm)				Actual			Normal			
	(01.06.2018 to 30.09.2018)				484.6		672.7				
Source: ht	tp://hydro.imd.gov.in										
2	Number of districts received deficit		No o	of dis	tricts with deficit I	Total n	umber of dist	tricts			
	rainfall in the State (01.06.2018 to 30.09.2018)				19			33			
	ss Rainfall: +20% or more than Actual Rainfa ain -100%; <b>Source:</b> http://hydro.imd.gov.in		mal Ra	infall	: +19% to -19%; Deficie	ent Rainfall	: -20% to -59%; :	Scanty Rainfal	l: -60% to		
3	Area covered under major crops (as o 24.09.2018)		Sl. No.	Cro	p Name		ıal area kh ha)		ed area* h ha)		
			1	Pad	dy	1	3.05	7.	82		
			2	Tur		:	2.55	2.	84		
			3	Gro	undnut	1	4.72	15	.12		
			4	Cot	ton	2	7.12	26.02			
			5	Fod	der	1	0.93	10.93			
	op 5 major crops considering Gross cropped a e of unavailability of targeted area figures,		t three	e yea	rs average area has b	een taken a	s the proxy for	the Target			
4	4 Incidence of major pests and diseases major crops $()$		Sl. No	o. (	Crop Name	Severe	Moderate	Low	Not at a		
		1	1	Paddy			$\checkmark$				
		2	-	Tur		√					
		3		Groundnut		$\checkmark$					
		4		Cotton		$\checkmark$					
		5		Fodder				$\checkmark$			
			6		Fodder				$\checkmark$		
5	Farm output price of major crops	Sl.	. Crop Name		ame	Pr	ice (Rs. per q	Ave			
		No.		op Name		Jul	Aug	Sep	Price		
		1	Summe		r Bajra (Lakhani)	1402.18	1402.18	1494.62	1437.33		
		2			(Rajkot)	5187.35	4662.62	4886.60	4912.08		
		3	Summ (Gonda		r Groundnut l)	3890.84	3890.84	3827.80	3870.72		
		4	Ura	ad (R	Rajkot)	4081.45	3905.09	4022.00	4026.0		
		5			ım (Rajkot)	9797.37	9797.37	11665.52	9815.32		
lote: Cons	idering the major markets; Source: http://a	ıgmarkı	net.gov	∕.in							
6 Seed availability in the local market for		for	Sl.No.		Crop Name	A	lequate	Shortage			
major crops (√)		1	F	Paddy							
			2	Т	- ur	√					
			3	C	Groundnut						
					Cotton						
			5 F			√					

### Quarterly Report on Indicators of Agriculture

	Prevailing market price of seed	SL.N		rop Nan			Price (F	Rs. per k	g)	
	(certified) of major crops	50.14	0. C			Local variet	y Hy	Hybrid variety/Improved var		
		1	P	addy		15 - 25		65 - 400		
			2 Tur			50 - 80		90 - 150		
		3	G	Groundni	ut	30 - 50			60 - 130	
		4	C	otton		45 - 75	- 75		1500 - 3200	
		5	F	odder		30 - 50			300-400	
Source:										
	Chemical Fertilizer (NPK) availabili the local market $()$	ity in	Sl.No	o. Fert	ilizers	Adeq			Shortage	
		_	1	Urea		١				
		-	2	DAP SSP		√				
		_				١	-			
Reason	for shortage of chemical fertilize	r in the	4 e loca	Othe	ers	1				
	market			Suggestion	is to overc	ome tne	snortage			
Source:	-						-			
	Prevailing market price of fertilizer		Sl.No	Eart	ilizers			Drie	e (Rs. per kg)	
9	Prevaliting market price of tertilizer	_	1 Urea					5.92		
		-	2	DAP				21.70		
				SSP					13.00	
		-	4	Othe	ers				-	
Source: Field	d surveys, Cost of Cultivation Scheme, Gu	ıjarat								
10	Availability of agricultural labour ( $$	)		Easily a	vailable			Shorta	age	
R	eason for shortage of agricultural	labour	-			Suggestion	s to overc	ome the	shortage	
pick seasor	ltural labors available for farmin because the laborers prefer to w area than agriculture.									
Source: Field	d surveys, Cost of Cultivation Scheme, Gu	ıjarat								
11	Prevailing wage rate for casual labo	ur in			Male			F	emale	
	agriculture (Rs./day)	-		-	300 - 200				250 - 200	
Source:					500 - 200			25	0 - 200	
	Availability of institutional credit for	r		=		,				
	agriculture in the State (Qtr ended December 2017)	r _	Та	rget (Rs	s. in Crore	?)	Achievement (Rs. in Crore)			
	son for less achievement against t	ent against the targ				Suggestion	s to overc	ome the	shortage	
							ns to overcome the shortage			
13	Electricity availability for irrigation	pump s	sets (I	number	of hours	per day)			8	
Suggestion	for improvement on more accuracy	tricity	/: NA							
	Availability of farm machinery for ti other operations $()$	imely so	owing	, harves	ting and	Ea	sily availal √	ble	Shortage	
	Availability of organic manure, farm	ı-yard-n	nanur	e,		Adequate			Shortage	
	vermi-compost, bio-fertilizer ( $$ )									
	d surveys, Cost of Cultivation Scheme, Gu	ıjarat								
16	Remarks and observations						-			

NA implies Not Available

### July-September 2018

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

1					Cui	Ten	t status					
	Average Rainfall (mm)			Actual			Normal					
	Period::01-06-2018 To 30-09-2018			393.6			419.0					
ource: Ind	lia Meteorological Department, Hydromet Division	n, New D	Delhi, ht	ttp://hydro.imd.	.gov.in							
2	No. of districts received deficit rainfall	No. of	f distri	cts with defic	it rainfa	all	Total	number	of districts			
	in the state			NIL			33					
9%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100% dia Meteorological Department, Hydromet Division					ainfa	ıll: -20% to -59%	%; Scanty	Rainfall: -60% to			
3	Area covered under major crops (Kharif 2018 as on 05/07/2018)	Sl. No.	Crop	Name		Actual area ('000 ha)		Targeted area ('000 ha)				
		1	Bajra	a			1812.90		4400.0			
		2	Maize	ize		883.50		950.0				
		3	Moor	Aoong '			1859.20		1600.0			
		4	Moth	)		1043.20	1200.0					
		5	Guar				3418.10		3500.0			
ote: Top 5	5 major crops considering Gross cropped area; S	ource: C	ommiss	ionarate of Agr	iculture,	Rajo	asthan -Jaipur					
4	Incidence of major pests and diseases in principal crops sown ( $\!\!\!\!\!\!\!$ )		Crop	Name	Sever	re	Moderate	Low	Not at all			
		1	Bajra	a					√			
		2	Maize	e					$\checkmark$			
		3	Moor	ng					√			
		4	Moth	1					√			
		5	Guar						$\checkmark$			
5	Farm output price of major crops	Sl.	Crop	Name	Price		ice(Rs. per quinta		Average Price			
		No.	Crop Name		Jul		Aug	Sep	(weighted)			
		1 Bajra		a	1268		1314	1303	1297.77			
		2	Maiz	-	1286	•	1375	1337	1333.19			
		3	Moor		4244			5285	4796.17			
		4	Moth		3621		3868	4156	3960.48			
		5	Guar	-	3880	)	4114	4103	4015.90			
ote: Cons	ider major Producing market ; <b>Source</b> : http://ag	marknet.	.gov.in									
6	6 Seed availability in the local market for major crops $()$			Crop Name			Adequa	te	Shortage			
majo		1		Bajra			√					
		2		Maize			√					
		3		Noong			√					
		4		Noth								
	eason for shortage of seed in the local mark	5	C	Guar			$\checkmark$					

### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed	Sl.			Price (Rs. per kg)				
	(certified) of major crops	No.	Crop Name	Loo	cal variety		Hybrid variety		
		1	Bajra		25		380		
		2	Maize		30		-		
		3	Moong		80		110		
		4	Moth		60		-		
		5	Guar		38		65		
Source: Fi	ield surveys, Cost of Cultivation Scheme, Rajastha	n							
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequ	ate	Shortage		
	the local market ( $$ )	1	Urea		$\checkmark$				
		2	DAP		√				
		3	SSP		√				
		4	Others		$\checkmark$				
Source: Fi	ield surveys, Cost of Cultivation Scheme, Rajastha	n							
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		F	rice (Rs.	per kg)		
		1	Urea			5.92	2		
		2	DAP			28.0-2	9.0		
		3	SSP			6.0-7	.0		
		4	MOP		19.0				
Source: Fi	ield surveys, Cost of Cultivation Scheme, Rajastha	n							
10	Availability of agricultural labour ( $$ )			Easily ava	ilable		Shortage		
							2		
							v		
	Reason for shortage of agricultural labor	ır		Sugges	tions to overco	ome the s	hortage		
	hortage in harvesting season was mainly due			A work ma			5		
employm	hortage in harvesting season was mainly due nent in MGNREGA	e to their	MGNREGA operation	A work ma			•		
employm Source: Fi	hortage in harvesting season was mainly due nent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha	e to their	operation	A work mo s		d during p	peak agricultural		
employm	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in	e to their	operation Male	A work mo		d during p	peak agricultural		
employm Source: Fi 11	hortage in harvesting season was mainly due nent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day)	e to their n	operation	A work mo		d during p	peak agricultural		
employm Source: Fi 11	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in	e to their n	operation Male	A work mo		d during p	peak agricultural		
employm Source: Fi 11	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for	e to their n	operation Male	A work mo	ay be postpone	d during p I 2	Female 00-250		
employm Source: Fi 11 Source: Fi	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha	e to their n	operation Male 300-3	A work mos 50 Crore)	ay be postpone	√       Image: Second se			
employm Source: Fi 11 Source: Fi 12	hortage in harvesting season was mainly due bent in MGNREGA Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended	e to their	operation Male 300-3 Target (Rs. in	A work mo s 50 Crore)	ay be postpone	d during p l 2 :hievemer 72	Female 00-250 nt (Rs. in Crore) 27873		
employm Source: Fi 11 Source: Fi 12	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018)	e to their	operation Male 300-3 Target (Rs. in	A work mo s 50 Crore)	ay be postpone	d during p l 2 :hievemer 72	Female 00-250 nt (Rs. in Crore) 27873		
employm Source: Fi 11 Source: Fi 12 Re	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018)	e to their	operation Male 300-31	A work mo s 50 Crore)	ay be postpone	d during p l 2 :hievemer 72	Female 00-250 nt (Rs. in Crore) 27873		
employm Source: Fi 11 Source: Fi 12 Re	hortage in harvesting season was mainly due nent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the tage tate Level Banker's Committee, Rajasthan	e to their	operation           Male           300-3!           Target (Rs. in           107884           Image: Image (Rs. in	A work mos 50 50 Crore) 4 Suggest	ay be postpone	d during p l 2 :hievemer 72	Female 00-250 ht (Rs. in Crore) 27873 thortage		
employm Source: Fi 11 Source: Fi 12 Re Source: St	hortage in harvesting season was mainly due nent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the ta tate Level Banker's Committee, Rajasthan Electricity availability for irrigation pump	e to their	operation Male 300-3 Target (Rs. in 107884	A work mos 50 50 Crore) 4 Suggest	ay be postpone	d during p l 2 :hievemer 72	Female 00-250 ht (Rs. in Crore) 27873 thortage		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13	hortage in harvesting season was mainly due nent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the tage tate Level Banker's Committee, Rajasthan	e to their	operation Male 300-3 Target (Rs. in 107884	A work mos 50 50 Crore) 4 Suggest	ay be postpone	d during p l 2 :hievemer 72	Female 00-250 ht (Rs. in Crore) 27873 thortage		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13 Source: Fi	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the ta tate Level Banker's Committee, Rajasthan Electricity availability for irrigation pump Suggestion for improvement on more accu	e to their	Male 300-31 Target (Rs. in 107884 ber of hours lectricity: Nil	A work mos 50 50 Crore) 4 Suggest	ay be postpone	d during p l 2 chievemer 72 come the s	Female 00-250 nt (Rs. in Crore) 27873 Shortage 5-6		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the tag tate Level Banker's Committee, Rajasthan Electricity availability for irrigation pump Suggestion for improvement on more accu	e to their	Male 300-31 Target (Rs. in 107884 ber of hours lectricity: Nil	A work mos 50 50 Crore) 4 Suggest	ay be postpone	d during p l 2 chievemer 72 come the s	Female 00-250 ht (Rs. in Crore) 27873 thortage		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13 Source: Fi 14	hortage in harvesting season was mainly due hortage in harvesting season was mainly due ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the ta tate Level Banker's Committee, Rajasthan Electricity availability for irrigation pump Suggestion for improvement on more accu ield surveys, Cost of Cultivation Scheme, Rajastha Availability of farm machinery for timely other operations (√)	e to their	Male 300-31 Target (Rs. in 107884 ber of hours lectricity: Nil	A work mos 50 50 Crore) 4 Suggest	ay be postpone	d during p l 2 chievemer 72 come the s	Female 00-250 nt (Rs. in Crore) 27873 Shortage 5-6		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13 Source: Fi 14 Source: Fi	hortage in harvesting season was mainly due nent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the tak Electricity availability for irrigation pump Suggestion for improvement on more accu ield surveys, Cost of Cultivation Scheme, Rajastha Availability of farm machinery for timely other operations (√)	e to their	Male 300-31 Target (Rs. in 107884 ber of hours lectricity: Nil	A work mos 50 50 Crore) 4 Suggest per day)	ay be postpone	d during p l 2 chievemer 72 come the s	Female 00-250 ht (Rs. in Crore) 27873 Shortage 5-6		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13 Source: Fi 14	hortage in harvesting season was mainly due hortage in harvesting season was mainly due ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the ta tate Level Banker's Committee, Rajasthan Electricity availability for irrigation pump Suggestion for improvement on more accu ield surveys, Cost of Cultivation Scheme, Rajastha Availability of farm machinery for timely other operations (√)	e to their	Male 300-31 Target (Rs. in 107884 ber of hours lectricity: Nil	A work mos 50 50 Crore) 4 Suggest per day)	ay be postpone	d during p l 2 chievemer 72 come the s	Female 00-250 ht (Rs. in Crore) 27873 Shortage 5-6		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13 Source: Fi 14 Source: Fi 15	hortage in harvesting season was mainly due bent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the ta tate Level Banker's Committee, Rajasthan Electricity availability for irrigation pump Suggestion for improvement on more accu ield surveys, Cost of Cultivation Scheme, Rajastha Availability of farm machinery for timely other operations (√) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of organic manure, farm-yard- vermi-compost, bio-fertilizer (√)	e to their n  n  n  sets (nur uracy in e n sowing, h n m manure,	Male 300-31 Target (Rs. in 107884 ber of hours lectricity: Nil	A work mos 50 50 Crore) 4 Suggest per day)	ay be postpone	d during p l 2 chievemer 72 come the s	Female 00-250 nt (Rs. in Crore) 27873 Shortage 5-6		
employm Source: Fi 11 Source: Fi 12 Re Source: St 13 Source: Fi 14 Source: Fi 15	hortage in harvesting season was mainly due nent in MGNREGA ield surveys, Cost of Cultivation Scheme, Rajastha Prevailing wage rate for casual labour in agriculture (Rs./day) ield surveys, Cost of Cultivation Scheme, Rajastha Availability of institutional credit for agriculture in the State (Qtr ended March 2018) eason for less achievement against the tag tate Level Banker's Committee, Rajasthan Electricity availability for irrigation pump Suggestion for improvement on more accu ield surveys, Cost of Cultivation Scheme, Rajastha Availability of farm machinery for timely other operations (√) ield surveys, Cost of Cultivation Scheme, Rajastha	e to their n  n  n  sets (nur uracy in e n sowing, h n m manure,	Male 300-31 Target (Rs. in 107884 ber of hours lectricity: Nil	A work mos 50 50 Crore) 4 Suggest per day)	ay be postpone	d during p l 2 chievemer 72 come the s	Female 00-250 nt (Rs. in Crore) 27873 Shortage 5-6		

NA - implies Not Available

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

Name of	AERC: Allahabad	State: U	lttar Prad	lesh			Quarter C	over	ed: Jul -	Sep 2018	
Sl.No.	Indicators				C	urre	nt status				
1	Average Rainfall (mm) Jun 2018 to Sep 2018		Ac	tual					Normal		
			74	2.20		829.80					
2	No. of districts received deficit rainfall	No. of	districts v	vith de	eficit rair	Ifall Total number of districts					
	in the state			14					75		
Note: Exce -99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Rai	nfall: +19% t	o -19%;	Deficient	Rainf	all: -20% to -5	9%; Sc	anty Rainfa	ll: -60% to	
3	Area covered under major crops	Sl. No.	Crop Nan	ne			Actual area (Lakh ha)			ted area kh ha)	
		1	Paddy				59.78			9.89	
		2	Maize				7.36		7	7.35	
		3	Jowar				1.96		1	1.99	
		4	Bajra				9.37		ç	9.39	
		5	Urd				6.88		6.90		
Note: Top	5 major crops considering Gross cropped area										
4	Incidence of major pests and diseases in principal crops sown $({\bf V})$	Sl. No.	Crop Nan	ne Severe		ere Moderate		Low		Not at all	
		1	Paddy					$\checkmark$			
		2	Maize						$\checkmark$		
		3	Jowar					$\checkmark$			
		4	Bajra						$\checkmark$		
		5	Urd						$\checkmark$		
5	Farm output price of major crops	Sl.	Crop	Pr		Price(Rs. per quinta		al)		Average	
		No.	Name		Jul	Aug		Sep		Price	
		1	Paddy	Not H	arvested	No	t Harvested	Not	Harvested	-	
		2	Maize	Not H	arvested	No	t Harvested	400	0 - 4500	4250	
		3	Jowar	Not H	arvested	No	t Harvested	Not	Harvested	-	
		4	Bajra	Not H	arvested	No	t Harvested	Not	Harvested	-	
		5	Urd	Not H	arvested	No	t Harvested	500	0 - 5500	5250	
Note: Cons	ider major Producing market	1									
6	Seed availability in the local market for major crops ( $\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	Sl. No.	Crop Nan	ne		Adequate			Shortage		
		1	Paddy	Paddy		N					
		2	Maize				$\checkmark$				
		3	Jowar				$\checkmark$				
		4	Bajra				√				
		5	Urd				$\checkmark$				

### Quarterly Report on Indicators of Agriculture

(certified) of ma	ajor crops	Sl.	Crop Namo	Price (Rs. per kg)					
		No.	Crop Name	Local	variety	Hybrid variety			
		1	Paddy	32	- 55	225 - 285			
		2	Maize	65	- 70	110 - 115			
		3	Jowar	55	- 60	125 - 150			
		4	Bajra	28	- 32	100 - 150			
		5	Urd	110	- 125	-			
		Sl. No.	Fertilizers	Ade	quate	Shortage			
the local marke	t (√)	1	1 Urea						
		2	DAP		$\checkmark$				
		3	SSP						
			Others						
Prevailing marke	et 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			
Availability of a	gricultural labour ( $$ )		Easily availab	le	Shortage				
Prevailing wage	rate for casual labour in		Male		Female				
agriculture (Rs.	/day)		250 - 300		175 - 250				
			Target (Rs. in Cror	e)	Achievement (Rs. in Crore)				
agriculture in th	ne State		47065.57		27972.84				
ison for less ach	nievement against the ta	rget	Sug	ggestions to	overcome th	e shortage			
	-				-				
Electricity avail	ability for irrigation pump	o sets (nu	mber of hours per c	lay)		18 - 20			
for improvemen	t on more accuracy in ele	ectricity:							
Availability of fa	arm machinery for timely	sowing, ł	narvesting and	Easily a	available	Shortage			
other operation	s (√)								
		-manure,	A	dequate		Shortage			
vermi-compost,	bio-fertilizer ( $$ )			$\checkmark$					
Remarks and	1 Information from Sr	No 1 to	4 have been collect	ed from Direc	torate of Agr	iculture ILP Lucknow			
observations					-				
						) III U.P. IIds also been			
	3. Apart from these m	ost of inf	ormation have been	collected fro	om the farme	rs of Allahabad district.			
	4. The prices of fertili	izers in or	oen markets were m	uch higher th	han that of co	opperative stores.			
5. The information of availability for Institutional credit for agriculture (Crop loan & KC									
			igation nump sets y	vas verv irreg	ular across +	ne state			
	-	-	• • •	, ,		ie state.			
						14, Highly deficient -12,			
	the local marke Prevailing marke Availability of a agriculture (Rs. Availability of ir agriculture in the son for less ach Electricity avail for improvement Availability of fa other operation Availability of o vermi-compost, Remarks and	the local market (\sqrtspace) Prevailing market price of fertilizer Availability of agricultural labour (\sqrtspace) Prevailing wage rate for casual labour in agriculture (Rs./day) Availability of institutional credit for agriculture in the State Ison for less achievement against the tagging for improvement on more accuracy in elector Availability of farm machinery for timely other operations (\sqrtspace) Availability of organic manure, farm-yard vermi-compost, bio-fertilizer (\sqrtspace) Remarks and observations 1. Information from Sr 2. The availability of collected from Director 3. Apart from these m 4. The prices of fertility 5. The information of State is upto 27/08 6. Electricity availability	3       4         5       Chemical Fertilizer (NPK) availability in the local market ()       SL. No.         1       2         3       4         Prevailing market price of fertilizer       SL. No.         1       2         3       4         Prevailing market price of fertilizer       SL. No.         1       2         3       4         Availability of agricultural labour (\sqrt{)       1         Prevailing wage rate for casual labour in agriculture (Rs./day)       1         Availability of institutional credit for agriculture in the State       1         Ison for less achievement against the target       1         Ison for less achievement against the target       1         Vailability of institutional credit for agriculture in the State       1         Ison for less achievement against the target       1         Vailability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (\sqrt{)       1         Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (\sqrt{)       2         Remarks and observations       1.       1.       1.         3.       Apart from these most of inf 4.       3.       3         4.       1.       1.       1.       <	3       Jowar         4       Bajra         5       Urd         Chemical Fertilizer (NPK) availability in the local market (\)       SI. No.       Fertilizers         1       Urea       2       DAP         3       SSP       4       Others         Prevailing market price of fertilizer       SI. No.       Fertilizers       1         1       Urea       2       DAP       3         3       SSP       4       Others       4         Prevailing market price of fertilizer       SI. No.       Fertilizers       1       Urea       2         2       DAP       3       SSP       4       Others       4       Others         Availability of agricultural labour (\)       Easily availability availability of institutional credit for agriculture (Rs./day)       Target (Rs. in Cror agriculture (Rs./day)       1       Target (Rs. in Cror agriculture in the State       Superiod (Rs. in Cror agriculture in the State       Superiod (Rs. in Cror agriculture in the State       Superiod (Rs. in Cror agriculture in the State (Rs. in Cror agriculture in the State (Rs. in Cror agriculture (Rs./day)       Electricity availability for irrigation pump sets (number of hours per cof for improvement on more accuracy in electricity:       Availability of farm machinery for timely sowing, harvesting and other operations (\)         Avai	3     Jowar     55       4     Bajra     28       5     Urd     110       Chemical Fertilizer (NPK) availability in the local market (v)     SI. No.     Fertilizers     Ade       1     Urea     1     10       2     DAP     1       3     SSP     1       4     Others     1       1     Urea     1       2     DAP     1       3     SSP     1       1     Urea     1       2     DAP     1       3     SSP     1       1     Urea     1       2     DAP     1       3     SSP     1       4     Others     1       5     Target (Rs. in Crore)     1       3     Spr     1	3Jowar55 - 604Bajra28 - 325Urd110 - 125Chemical Fertilizer (NPK) availability in the local market (v)SI. No.FertilizersAdequate1Urea $$ 2DAP $$ 3SSP $$ 4Others $$ 9Prevailing market price of fertilizerSI. No.FertilizersPrice (Rs1Urea $6.50$ $$ 2DAP23.0023.003SSP9.00 -4Others12.00 -Availability of agricultural labour (vi)Easily availablePrevailing wage rate for casual labour in agriculture (Rs./day)Male250 - 300300Availability of institutional credit for agriculture in the StateTarget (Rs. in Crore) 47065.5725Achievement against the targetSuggestions to overcome the v1Urea $$ 2Availability of rimigation pump sets (number of hours per day)for improvement on more accuracy in electricity: $$ Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer (vi)Adequate v1Information from Sr. No. 1 to 4 have been collected from Directorate of Agriculture (Crop loan ft KCC collected from Dire			

NA implies Not Available

### July-September 2018

### Agro-Economic Research Centre, PAU, Ludhiana, Punjab

SI.No.	Indicators			C	urrent	status			
1	Average Rainfall (mm)		Actual				Normal		
			437.8				447	,	
2	No. of districts received deficit rainfall	No. of	districts with c	leficit rair	nfall	Total	number of a	listricts	
	in the state		05				20*		
<b>lote:</b> Exce 99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rai	nfall: +19% to -19%	; Deficient	Rainfall	l: -20% to -59%	%; Scanty Rair	nfall: -60% to	
3	Area covered under major crops**	Sl. No.	Crop Name			Actual area (Lakh ha)		rgeted area (Lakh ha)	
		1	Wheat			35.07		34.80	
		2	Paddy			30.42		29.00	
		3	Cotton			2.84		4.00	
		4	Maize	laize				1.50	
		5	Sugarcane			1.05		1.00	
lote: Top	5 major crops considering Gross cropped area								
4	Incidence of major pests and diseases in principal crops sown $(\boldsymbol{})$	Sl. No.	Crop Name	Seve	Severe M		Low	Not at al	
		1	Wheat	-		-	-	-	
		2	Paddy	-		-	$\checkmark$	-	
		3	Cotton	-		-	$\checkmark$	-	
		4	Maize	-		-	$\checkmark$	-	
		5	Sugarcane	-		-	$\checkmark$	-	
5	Farm output price of major crops	Sl. c			Price	ce (Rs. per quintal)		Average	
		No.	Crop Name	Jul		Aug	Sep	Price	
		1	Wheat	1725-1	810	1760-1850	1790	1788	
		2	Paddy	-		-	-	-	
		3	Cotton	5350-5	440	5341	5100-582	1 5400	
		4	Maize	900-12	250	910-1300	950-1300	1100	
		5	Sugarcane	-		-	-	-	
lote: Cons	ider major producing market								
6	Seed availability in the local market for	Sl. N	o. Crop Name	9		Ade	equate	Shortage	
	major crops (√)	1	Wheat				√	-	
		2	Paddy				-	-	
		3	Cotton				-	-	
		4	Maize					-	
		5	Sugarcane				-		
Re	ason for shortage of seed in the local mai	rket		Suggest	ions to	overcome	the shortag	10	

#### Quarterly Report on Indicators of Agriculture

	Prevailing market price of seed	Sl.			Price (F	Rs. per kg)			
	(certified) of major crops	No.	Crop Name	Local	variety	Hybrid variety			
		1	Wheat		-	26.00-30.00			
		2	Paddy		-	-			
		3	Cotton (Bt)		-	-			
		4	Maize		-	135 - 350			
		5	Sugarcane		-	-			
Remarks:									
	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Ad	equate	Shortage			
	the local market $()$	1	Urea		$\checkmark$	-			
		2	DAP		$\checkmark$	-			
		3	SSP		$\checkmark$	-			
		4	Others		$\checkmark$	-			
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Price (Rs. per kg)			
		1	Urea			5.89			
		2	DAP			26.80			
		3	SSP			13.20			
		4	Others			60-70, 30-40			
10	Availability of agricultural labour $()$		Easil	y available		Shortage			
R	eason for shortage of agricultural labou	ır	Sug	gestions to ove	ercome th	ne shortage			
11	Prevailing wage rate for casual labour in		Male		Female				
	agriculture (Rs./day)		300- 350			220-250			
12	Availability of institutional credit for		Target (Rs. in Cror	e)	Achiever	ment (Rs. in Crore)			
	agriculture in the State***		NA			NA			
Rea	son for less achievement against the tai	rget	Sug	gestions to ove	ercome th	ne shortage			
					-				
13	Electricity availability for irrigation pump	sets (nu	mber of hours per c	lay)		6 - 7			
Suggestion	for improvement on more accuracy in ele	ctricity:	Available as per req	uirement					
14	Availability of farm machinery for timely	sowing h	arvesting and	Easily ava	ilable	Shortage			
	other operations $()$	, , , , , , , , , , , , , , , , , , ,		√					
15	Availability of organic manure, farm-yard-	manure	۸de	quate		Shortage			
	vermi-compost, bio-fertilizer ( $$ )		Add	4-4-6					
	Reason for the shortage		Sug	gestions to ove	ercome th	ne shortage			
Production	constraint in case of FYM			nic options prod					
16	Remarks and observations								
10	הכווומותה מווע סטוכו ימנוטווה			-					

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

** Provisional estimates

*** Updated information is not available.

NA implies Not Applicable

### July-September 2018

### Agro-Economic Research Centre, Shimla, Himachal Pradesh

Name of	AERC: Shimla	State: H	imachal Prad	esh	Q	uarter Co	overed	d: Jul -	Sep 2018
CLNL	La Parte a				6				
SI.No.	Indicators				Current s	status			
1	Average Rainfall (mm)		Actual				No	ormal	
			927.1				8	25.3	
Source: Dir	rectorate of Agriculture, Government of Himach	al Pradesh							
2	No. of districts received deficit rainfall in the state	No. of	districts with	deficit ra	infall	Total	er of dis	tricts	
			3					12	
-99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; N ain -100% teorological Centre, Shimla Himachal Pradesh	ormal Rair	nfall: +19% to -19%	%; Deficien	t Rainfall:	-20% to -59	%; Scai	nty Rainfa	ll: -60% to
3	Area covered under major crops	Sl. No.	Crop Name			ctual area (Lakh ha)	l		eted area akh ha)
		1	Maize			2.93			2.93
		2	Paddy			0.74			0.74
	5 major crops considering Gross cropped area rectorate of Agriculture, Government of Himach	al Pradesh							
	Incidence of major pests and diseases in principal crops sown ( $\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$	Sl. No.	Crop Name	o Name		Moder	ate	Low	Not at all
		1	Maize					$\checkmark$	
		2	Paddy					$\checkmark$	
Source: Dir	rectorate of Agriculture, Government of Himach	al Pradesh							.[
5	Farm output price of major crops	Sl.				rice (Rs. per quint		al)	Average
5		No.	Crop Name		Jul			ep	Average Price
		1			1500			500	1500
		2	Maize		2000	2000		000	2000
Note: Const	 ider major Producing market	Z	Paddy		2000	2000	20		2000
Source: Loo	cal Markets								
6	Seed availability in the local market for	Sl. No	o. Crop Nam	e		Ad	equat	e	Shortage
	major crops (√)	1	Maize				$\checkmark$		
		2	Paddy				$\checkmark$		
Red	ason for shortage of seed in the local m	arket		Sugges	tions to	overcome	the s	hortage	
	-				No sho	rtage repo	orted		
Source: Dir	rectorate of Agriculture, Government of Himach	al Pradesh							
7	Prevailing market price of seed	Sl.	C			Price (Rs			
	(certified) of major crops	No.	Crop Name	Lo	Local variety			Hybrid v	variety
		1	Maize		-			75	j
		2	Paddy		-		199		
Source: Dir	rectorate of Agriculture, Government of Himach	al Pradesh							

### Quarterly Report on Indicators of Agriculture

8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertil	izers		Adec	quate	Shortage					
	the local market ( $$ )	1	Urea			-	V						
		2	DAP			Not use	d in H.I	>					
		3	SSP				V						
			Other	S									
			(i)	NPK (12:	:32:16)		V						
		4	(ii)	MOP		-	V						
			(iii)	NPK 15:	15:15 RCF								
Reason	for shortage of chemical fertilizer in the market	local	cal Suggestions to overcome the shortage										
	-				No s	shortage i	reporte	d					
Source: Dir	ectorate of Agriculture, Government of Himacha	l Pradesh											
9	Prevailing market price of fertilizer	Sl. No.	Fertil	izers			Pric	e (Rs. per kg)					
		1	Urea					14.75					
		2	DAP					-					
		3	SSP 10.58										
			Other	S									
			(i)	NPK (12:3	32:16)			20.22					
		4	(ii)	MOP		12.48							
			(iii) NPK 15:15:15 RCF			16.74							
Source: Dir	rectorate of Agriculture, Government of Himacha	l Pradesh											
10	10 Availability of agricultural labour ( $$ )			Easily available				Shortage					
			√										
Source: Dir	rectorate of Agriculture, Government of Himacha	l Pradesh				1							
11	Prevailing wage rate for casual labour in		Male Female										
	agriculture (Rs./day)			220		220							
Source: Dir	⊥ rectorate of Agriculture, Government of Himacha	l Pradesh											
			-	(2) 1 6									
12	Availability of institutional credit for agriculture in the State		-	(Rs. in C	rore)	A	Achieve	ment (Rs. in Crore)					
0-				2674.24	<b>C</b>			1740.44					
Re	ason for less achievement against the ta	get						he shortage					
Source: Ag	۔ enda Papers Review Data June. 2018 (149th SLBC ا	monting	f Chimla	) publiched		o shortage	e report	ea					
-													
13	Electricity availability for irrigation pump		mber o	f hours pe	er day)			24					
	n for improvement on more accuracy in ele	ctricity:											
Source: H.I	P. State Electricity Board												
14	Availability of farm machinery for timely so ther operations $(\boldsymbol{})$	sowing, h	arvesti	ng and	Easily	y available √	e	Shortage					
	Reason for the shortage				Suggestion	come t	he shortage						
	-		Suggestions to overcome the shortage           No shortage reported										
Source: Dir	ectorate of Agriculture, Government of Himacha	l Pradesh											
15	Availability of organic manure, farm-yard- vermi-compost, bio-fertilizer (\/)	manure,		Adequate				Shortage					
Source: Dir	∣ ectorate of Agriculture, Government of Himacha	l Pradesh	I										
		1											
16	Remarks and observations	There is	s 20% n	et irrigate	ed area in H	1.P.	emarks and observations There is 20% net irrigated area in H.P.						

NA - implies Not Available

### Agro-Economic Research Centre, ADRTC, Bengaluru

SI.No.	Indicators				Cu	rent s	status					
1	Average Rainfall (mm)	Actual					Normal					
				569				645				
2	No. of districts received deficit rainfall	No. o	f dist	ricts with de	ficit rainfa	all	Total	number o	er of districts			
	in the state			12				30				
	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%; Source: Data from Department of Agric			+19% to -19%;	Deficient R	ainfall:	-20% to -59%	%; Scanty R	ainfall	l: -60% to		
3	Area covered under major crops	Sl. No.	Cro	op Name			ctual area (Lakh ha)			eted area akh ha)		
		1	Pad	ddy			10.01			0.55		
		2	Ma				11.94		1	2.53		
		3	Gro	oundnut			3.83		!	5.98		
		4	Sur	nflower			0.98			1.68		
		5	Red	dgram			9.93		1	10.40		
lote: Top	5 major crops considering Gross cropped area; So	urce: Dai	ta fro	m Department	of Agricult	ure, GC	ЭК					
4	Incidence of major pests and diseases in principal crops sown ( $\!\!\!\!)$	Sl. No.	Cro	op Name	Severe	Severe Modera		oderate Low		Not at al		
		1	Pac	ddy						$\checkmark$		
		2	Ma	ize			$\checkmark$					
		3	Gro	oundnut						$\checkmark$		
		4	Sur	nflower						$\checkmark$		
		5	Red	dgram						$\checkmark$		
Source: Da	ta from Department of Agriculture, GOK											
5	Farm output price of major crops	Sl. Crop Name		F	Price (l	e (Rs. per quintal)			Average			
		No.		риате	Jul		Aug	ıg Sep		Price		
		1	Pac	ddy	1824		1810	1844	ł	1826		
		2	Ma	ize	1352		1384	1354	}	1363		
		3	Gro	oundnut	3523		3886	3774	}	3727		
		4	Sur	nflower	3342		3547	3726	j	3538		
		5	Gre	eengram	5139		4852	4808	<u>،</u>	4933		
	sider major Producing market ; marknet.nic.in											
6	Seed availability in the local market for	Sl. N	о.	Crop Name			Ade	equate		Shortage		
	major crops (√)	1		Paddy								
		2		Maize				$\checkmark$				
		3		Groundnut								
		4		Sunflower								
		5		Redgram								

### Quarterly Report on Indicators of Agriculture

15	vermi-compost, bio-fertilizer ( $$ )								
Jource. Du	Availability of organic manure, farm-yard	-manure,	Ad	equate	Shortage				
Source: Do	ata from Department of Agriculture, GOK			√					
14	Availability of farm machinery for timely other operations $()$	sowing, h	arvesting and	Easily availa	able	Shortage			
Source: Do	ata from Department of Agriculture, GOK								
Suggestic	on for improvement on more accuracy in ele								
13	Electricity availability for irrigation pump	sets (nui	mber of hours per da	iy)		4 to 6			
Note: date	a pertains up to June 2018, Source: SLBC, Karn	ataka							
	-		5035	-	come ene				
	Reason for less achievement against t	he targe		gestions to over					
12	Availability of institutional credit for agriculture in the State		Target (Rs. in Crore 98654.53	) /		0606.48			
12	Availability of institutional condit for		Target (Be in Create		Achiovan	ent (Rs. in Crore)			
Source: la	bour.kar.nic.in	<u> </u>							
11	agriculture (Rs./day)		303.98			303.98			
11	Prevailing wage rate for casual labour in		Male			Female			
	ata from Department of Agriculture, GOK								
They pre income	fer to move to urban areas for jobs to get b	etter	Increase the way	ge rates for agric	ulture wo	rks			
	Reason for shortage of agricultural labor		Sugg	gestions to over	come the	shortage			
						$\checkmark$			
10	Availability of agricultural labour ( $\mathcal{I}$ )		Easily	available		Shortage			
Source: Do	ata from Department of Agriculture, GOK								
		4	Others						
		3	SSP			9.2			
		2	DAP			26.5			
,		1	Urea			5.9			
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Dr	ice (Rs. per kg)			
Source: Do	ata from Department of Agriculture, GOK		1						
		4	Others		V				
		3	SSP		V				
		1	Urea DAP		V V				
8	Chemical Fertilizer (NPK) availability in the local market $(f)$	Sl. No.	Fertilizers		quate	Shortage			
	ational Seed Corporation Ltd., Bengaluru, Karnata	1							
Courses	tional Soud Corneration Ltd. Development	5	Redgram	74.0	0	-			
		4	Sunflower	196.		-			
		3	Groundnut	64.0		-			
		2	Jowar	62.0		-			
		1	Paddy	32.5	50	-			
	(certified) of major crops	No.	Crop Name	Local va	ariety	Hybrid variety			

NA implies Not Available

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

Sl.No.	Indicators		(	Current	t sta	itus				
1	Average Rainfall (mm)		Actual				Normal	nal		
			236.3		276.					
Source: Co	mmissionarate of Agriculture, Chennai 5, Tamil N	ladu								
2	No. of districts received deficit rainfall	No. of	f districts with deficit rai	nfall		Total nu	mber of	dist	ricts	
	in the state		20				32			
99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; Na ain -100% mmissionarate of Agriculture, Chennai 5, Tamil N		nfall: +19% to -19%; Deficient	t Rainfal	!l: -2	0% to -59%; S	icanty Rai	infal	l: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name			ual area akh ha)	Т		eted area akh ha)	
		1	Paddy		!	5.432		5	.720	
		2	Millets		2	2.477		4	.985	
		3	Pulses			1.071		2	.600	
		4	Oil seeds			1.888		2	.672	
		5	Cotton		(	0.271		1	.800	
Note: Top	5 major crops considering Gross cropped area; S	ource: C	ommissionarate of Agricultu	re, Chen	nnai	5, Tamil Nad	u			
4	Incidence of major pests and diseases in principal crops sown $(\boldsymbol{\flat})$	Sl. No.	Crop Name	Sever	re	Moderate	Lov	V	Not at a	
		1	Paddy				$\checkmark$			
		2	Millets				$\checkmark$			
		3	Cotton				$\checkmark$			
		4	Oil Seeds - Groundnut				√	~		
		5	Sugarcane							
<b>Source</b> : Co	mmissionarate of Agriculture, Chennai 5, Tamil N	ladu								
5	Farm output price of major crops	Sl.		Price (Rs. per quintal				Average		
		No.	Crop Name	Jul		Aug	Sep		Price	
		1	Paddy	1671.	91	1567.75	1548.6	2	1596	
		2	Millets	128	7	1329	1407		1341	
		3	Cotton	469	5	4374	4196		4421	
		4	Oil Seeds - Groundnut	422	5	4643	3424		4097	
		5	Sugarcane	346		3645	3458		3523	
Note: Cons	ider major Producing market; Source: Commis	sionarate	of Agriculture, Chennai 5, T	amil Na	du					
6	Seed availability in the local market for major crops $(\boldsymbol{\boldsymbol{\gamma}})$	Sl. No.	Crop Name		Adequate			Shortage		
		1	Paddy		√					
		2	Millets							
		3	Cotton			$\checkmark$				
		4	Oil Seeds - Groundnut					√		
		5	Sugarcane		√					

### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed	Sl.	Crop Name			Price (R	s. per kg)
	(certified) of major crops	No.		L	ocal varie	ty	Hybrid variety
		1	Groundnut		73		NA
		2	Paddy		32		NA
		3	Cotton	740	Per 450 Grams		780 per 450 Gram
		4	Pulses		85		NA
		5	Maize		NA		230 - 290
Remarks:	Farmers prefers Hybrid Variety than the Local Va	ariety; <b>Sou</b>	rce: Commissio	narate of <i>i</i>	f Agriculture, Chennai 5, Tamil Nadu		
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers			Adequate	e Shortage
	the local market $(f)$	1	Urea			$\checkmark$	
		2	DAP			$\checkmark$	
		3	SSP			$\checkmark$	
		4	Others			$\checkmark$	
Source: C	ommissionarate of Agriculture, Chennai 5, Tamil I	Nadu					
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Pric	e (Rs. per kg)
		1	Urea (Neem	Coated)			5.92
		2	DAP	,			22.50
		3	SSP				9.70
		4	Others		M	OP 11.5	0 & Complex 24.00
Source: C	ommissionarate of Agriculture, Chennai 5, Tamil I	Nadu	I				
10	Availability of agricultural labour $(\mathcal{I})$			Easily av	ailable		Shortage
	Reason for shortage of agricultural labo	ur		Sugges	stions to a	overcom	e the shortage
Urbanizat	ion, shift of Agricultural Labourers to city for the	livelihood	. Need Mech	anization			
Source: C	ommissionarate of Agriculture, Chennai 5, Tamil I	Nadu					
11	Prevailing wage rate for casual labour in		Male	2			Female
	agriculture (Rs./day)		280 to	350			200 to 270
Source: C	ommissionarate of Agriculture, Chennai 5, Tamil I	Nadu				1	
12	Availability of institutional credit for		Target (Rs. ir			Achie	evement (Rs. in Crore)
12	agriculture in the State (Up to Mar 2018)		112323.			ACIII	NA
D	eason for less achievement against the ta	raet			stions to a	vercom	e the shortage
	NA	1301		543365		NA	e the shortage
Source: (	ommissionerate of Agriculture (SLBC - State Level	Bank Com	mittee 154 Mee	otina) Che	nnai 5 Tam	-	
13	Electricity availability for irrigation pump						Shortage (18 - 20)
	n for improvement on more accuracy in electricity: To			on system li	ke Drip Irrig	ation and	Sprinkler Irrigation.
Source: C	ommissionarate of Agriculture, (TANGEDCO), Cher	nnai 5, Tan	ni Nadu				
14	Availability of farm machinery for timely other operations $(\boldsymbol{\surd})$	sowing, h	arvesting and		Easily av	ailable	Shortage
	Reason for the shortage			Sugge	estions to	overcon	ne the shortage
Source: C	ommissionarate of Agriculture, (Agriculture Engin	eering Dep	artment), Chen	nai 5, Tam	il Nadu		
15	Availability of organic manure, farm-yard	-manure,		Adeq	uate		Shortage
	vermi-compost, bio-fertilizer ( $\checkmark$ )			١	/		
Source: C	ommissionarate of Agriculture, (Agriculture Engin	eering Dep	artment), Chen	nai 5, Tam	il Nadu		

Source: Commissionarate of Agriculture, Chennai 5, Tamil Nadu

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

Sl.No.	Indicators				Curren	t status			
1	Average Rainfall (mm)			Actual			1	Normal	
				1099.1		10			
2	Number of districts received deficit	No of	dist	ricts with deficit r	rainfall	٦	Total num	ber of di	stricts
	rainfall in the State			-				27	
Note: Exce 99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Rai	nfall:	: +19% to -19%; Defici	ient Rainfo	ll: -20% t	o -59%; Sc	anty Rainf	all: -60% to
3	Area covered under major crops	Sl. No.	Cro	op Name		Actual (000'			geted area 000' ha)
		1	Pac	ddy		3751	.34	3	8672.51
		2	Ma	ize		226.	04		230.00
		3	Urc	ł		160.	49		160.60
		4	Tur			136.	32		152.20
		5	Soy	/bean		114.	22		136.00
Note: Top	5 major crops considering Gross Cropped Area								
4	Incidence of major pests and diseases in	Sl.No.	. C	rop Name	Sever	e Mo	derate	Low	Not at al
	major crops (√)	1	P	addy				$\checkmark$	
		2	N	laize				$\checkmark$	
		3	U	Ird				$\checkmark$	
		4	Т	ür				$\checkmark$	
		5	S	oybean				$\checkmark$	
5	Farm output price of major crops	Sl.	6		F	rice (Rs	. per quii	ntal)	Average
		No.	Cro	op Name	Ju	l	Aug	Sep	Price
		1	Pac	ddy					1590
		2	Ma	ize					1430
		3	Urc	ł					5580
		4	Tur						6000
		5	Soy	/bean					3060
<b>√ote:</b> Cons	ider major Producing market; Source: Commiss	ionarate	of A	griculture, Chennai S	5, Tamil N	adu			
6	Seed availability in the local market for	Sl.N	0.	Crop Name			Adequate	•	Shortage
	major crops (√)	1		Paddy			$\checkmark$		
		2		Maize			$\checkmark$		
		3		Urd			$\checkmark$		
		4		Tur			$\checkmark$		
		5		Soybean					

### Quarterly Report on Indicators of Agriculture

	Prevailing market price of seed	Sl.No.	Crop Name		Price (Rs.	per kg)
(	(certified) of major crops	51.110.	crop name	Local va	ariety	Hybrid variety
		1	Paddy	-		275
		2	Maize	-		210
		3	Urd	87		-
		4	Tur	81		-
		5	5 Soybean			-
Remarks:						
	Chemical Fertilizer( NPK) availability in	Sl.No.	Fertilizers	Adeo	luate	Shortage
t	the local market $()$	1	Urea		V	
		2	DAP		V	
		3	SSP		V	
		4	Others (12:32:16)		V	
9 F	Prevailing market price of fertilizer	Sl.No.	Fertilizers	Pr	rice (Rs. per kg)	
		1	Urea		5.9-6.0	
		2	DAP		24.9-25.0	
		3	SSP			6.8-6.9
		4	Others (12:32:16)			22.78
10 A	Availability of agricultural labour ( $$ )		Easily available		:	Shortage
			$\checkmark$			
11 F	Prevailing wage rate for casual labour in		Male			Female
ā	agriculture (Rs./day)		325			325
	Availability of institutional credit for	Ta	arget (Rs. in Crore)	Ach	ievement	(Rs. in Crore)
	agriculture in the State ; Source: SLBC, CG		3600.00		324	2.12
	on for less achievement against the tar	rget	Sugge	stions to over	come the	shortage
	-			-		
13 E	Electricity availability for irrigation pump	sets (nu	mber of hours per day)			24
	for improvement on more accuracy in ele					
14 <i>A</i>	Availability of farm machinery for timely s	sowing. h	arvesting and	Easily availa	ble	Shortage
C	other operations $()$		<u> </u>	√		
15 A	Availability of organic manure, farm-yard-		Adequate	5		Shortage
	manure, vermi-compost, bio-fertilizer ( $\checkmark$ )	-	√			
16 F	Remarks and observations					
implies Not						

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

SI.No.	Indicators			Curr	ent status		
1	Average Rainfall (mm)		Actual			Normal	
			875.4			937.1	
Source: w	ww.imd.gov.in						
2	No. of districts received deficit rainfall	No. of	f districts with d	eficit rainfal	Total	number of c	listricts
	in the state		09			51	
<b>Note:</b> Exce 99%; No R	⊥ rss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Rai	nfall: +19% to -19%;	; Deficient Rai	nfall: -20% to -59%	; Scanty Rain	fall: -60% to
3	Area covered under major crops	Sl. No.	Crop Name		Actual area (Lakh ha)		rgeted area (Lakh ha)
		1	Soyabean		52.38		46.05
		2	Paddy		21.65		22.50
		3	Urd		16.52		18.10
		4	Maize		13.61		13.51
		5	Cotton		6.97		6.28
	5 major crops considering Gross cropped area partment of Farmers' Welfare and Agriculture De	evelopme	nt Madhya Pradesh	1			
4	Incidence of major pests and diseases in principal crops sown $(\boldsymbol{\boldsymbol{\gamma}})$	Sl. No.	Crop Name	Severe	Moderate	Low	Not at al
		1	Soyabean			$\checkmark$	
		2	Paddy			$\checkmark$	
		3	Urd		$\checkmark$		
		4	Maize			$\checkmark$	
		5	Cotton			$\checkmark$	
		1		Pr	ice (Rs. per quir	ntal)	Average
5	Farm output price of major crops	Sl.			Aug	Sept	Price
5	Farm output price of major crops	Sl. No.	Crop Name	July		2074	3161
5	Farm output price of major crops		Crop Name Soyabean	July 3242	3167	3074	
5	Farm output price of major crops	No.			3167 1799	3074 1748	1810
5	Farm output price of major crops	No.	Soyabean	3242			1810 2800
5	Farm output price of major crops	No. 1 2	Soyabean Paddy	3242 1882	1799	1748	

### Quarterly Report on Indicators of Agriculture

6	Seed availability in the local market for	Sl. No.	. Crop Name		Adequat	te Shortage		
	major crops (√)	1	Soyabean		√			
		2	Paddy		√			
		3	Urd		√			
		4	Maize		√			
		5	Cotton		$\checkmark$			
R	eason for shortage of seed in the local ma	ırket	Si	uggestions to o	vercome the	shortage		
	-							
7	Prevailing market price of seed (certified) of major crops	Sl.	Crop Name		Price (Rs.			
		No.			al variety	Hybrid variety		
		1	Soyabean		46-56	-		
		2	Paddy		8-43.50	275		
		3	Urd		75-69.50	-		
		4	Maize		26-33	222		
marks:		5	Cotton		10-12	16-17		
	epartment of Farmers' Welfare and Agriculture De	evelopmen	t Madhya Pradesh					
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	A	dequate	Shortage		
	the local market $(f)$	1	Urea	rea				
		2	DAP					
		3	SSP					
		4	Others(12:32:16)		$\checkmark$			
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Pri	ce (Rs. per kg)		
		1	Urea			5.9-6.0		
		2	DAP			25.8-25.9		
		3	SSP Others(12:32:16)			5.6-5.7 23.02		
		4	,					
10	Availability of agricultural labour $(f)$		Eas	ily available √		Shortage		
11	Prevailing wage rate for casual labour in		Male			Female		
	agriculture (Rs./day)		250-300			180-200		
12	Availability of institutional credit for		Target (Rs. in Cro	270)		nt (Rs. in Crore)		
12	agriculture in the State		1,09,264			.0,644		
R	eason for less achievement against the ta	rget	S	uggestions to o				
	-				-			
13	Electricity availability for irrigation pump	sets (nur	mber of hours per	day)		8		
	Suggestion for improvement on more accu	uracy in e	lectricity:					
14	Availability of farm machinery for timely other operations $()$	sowing, h	arvesting and	Easily av		Shortage		
15	Availability of organic manure, farm-yard- vermi-compost, bio-fertilizer (\/)	-manure,	Ac	lequate		Shortage $$		
	Reason for the shortage		Si	uggestions to o	vercome the s			
	Non Availability				-			
16	Remarks and observations		1					
10								

NA implies Not Applicable

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

Name of	AERC: Bhagalpur	State: Bih	ar		Quar	ter Covere	ed: Jul - S	Sep 2018		
SI.No.	Indicators			(	Current sta	tus				
1	Average Rainfall (mm)		Actual			1	Normal			
			670.1 (-22%	)			859.1			
2	Number of districts received deficit rainfall in the State	No of	districts with de	ficit raiı	nfall	Total num	l number of districts			
			24				38			
Note: Exces 99%; No Ro		Normal Rai	nfall: +19% to -19%;	all: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Ra						
3	Area covered under major crops	Sl. No.	Crop Name		Actua (lakł			ed area h ha)		
		1	Paddy		32.	60	34	.00		
		2	Maize		4.0	00	4.	75		
		3	Other Coarse Ce	ereals	2.	35	0.	50		
		4	Pulses		0.	50	1.	75		
		5	Oilseeds		0.0	08	0.	20		
lote: Top 5 major crops considering Gross Cropped Ar										
4	Incidence of major pests and diseases major crops $(\boldsymbol{\surd})$	in Sl. No	. Crop Name		Severe	Moderate	Low	Not a all		
		1	Paddy				√			
		2	Maize				√			
		3	Other Coarse	Cereals			$\checkmark$			
		4	Pulses				$\checkmark$			
		5	Oilseeds				$\checkmark$			
5	Farm output price of major crops	Sl.			Price (Rs.	per quintal	)	Average		
		No.	Crop Name	Ju	L A	ug	Sep	Price		
		1	Rice (Medium)	280	0 28	300	2900	2833		
		2	Wheat	170	0 17	700	1750	1717		
		3	Maize	105	0 1 [,]	100	1100	1083		
		4	Lentil	450	0 47	700	4700	4633		
		5	Gram	480	0 48	300	4900	4833		
lote: Consi	idering the major markets	1	1		I	I				
6	Seed availability in the local market fo	r Sl.No.	Crop Name		Adequat	e	Shorta	age		
	major crops ( $$ )	1	Paddy							
		2	Maize							
		3	Other Coarse Cereals		$\checkmark$					
		4	Pulses		$\checkmark$					
		5	Oilseeds		$\checkmark$					
Ree	ason for shortage of seed in the local	market		Sugges	tions to ov	ercome the	shortage			
Red	ason for shortage of seed in the local NA	market		Sugges		ercome the NA	shortage			

### Quarterly Report on Indicators of Agriculture

7 P	Prevailing market price of seed	CL NI	<b>C</b> 11		Price (R	s. per kg)		
(	certified) of major crops	Sl.No.	Crop Nam	e	Local va	riety	Hybrid variety	
		1	Paddy		25		300	
		2	Maize		18		400	
		3	Arhar		60		70	
		4			-		-	
		5			-		-	
	Chemical Fertilizer (NPK) availability in	Sl.No.	Fertilizers	Ac	dequate		Shortage	
t	he local market $(\sqrt{)}$	1	Urea		$\checkmark$			
		2	DAP		√ √			
		3	SSP					
		4 Others √			$\checkmark$			
Reason j	for shortage of chemical fertilizer in th market	e local		Suggestic	ons to overc	ome the	shortage	
	-				-			
9 P	Prevailing market price of fertilizer	Sl.No.	Fertilizers	;		Pric	e (Rs. per kg)	
		1	Urea			6.00		
		2	DAP			26.00		
		3	SSP			9.00		
		4	MoP			13.00		
10 A	wailability of agricultural labour ( $$ )		Easily ava	ilable		Sho	ortage	
Re	ason for shortage of agricultural labou	r		Suggestic	ons to overc	ome the	shortage	
Migratior	n due to lower wages paid to agricultural	labour.	Mir	imum notified	wage rates	should be	e necessarily paid.	
11 P	Prevailing wage rate for casual labour in		Ν	ale			Female	
a	griculture (Rs./day)		2	50			150	
	wailability of institutional credit for	Ta	arget (Rs. in	Crore)	Achi	evement	(Rs. in Crore)	
a	griculture in the State		60,000 (An	nual)		23,500	(Approx)	
Reas	on for less achievement against the tar	rget		Suggestic	ons to overc	ome the	shortage	
13 E	lectricity availability for irrigation pump	sets (nu	mber of hou	ırs per day)			12	
uggestion f	or improvement on more accuracy in elec	ctricity:						
	wailability of farm machinery for timely s	sowing, h	arvesting	Easily av	ailable		Shortage	
a	and other operations ( $$ )							
	Reason for the shortage			Suggestic	ons to overc	ome the	shortage	
ubsistence	farming and no provision of custom hirin	g	Establi needeo		oosed farm r	nachiner	y banks, are urgent	
	wailability of organic manure, farm-yard-compost, bio-fertilizer ( $$ )	manure,	vermi-		juate √	Shortage		
16 R	Remarks and observations							
implies Not								

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

Name of	AERC: Bhagalpur St	ate: Jha	arkhand		Quarte	Quarter Covered: Jul - Sep 2018					
Sl.No.	Indicators			Cu	rrent statu	IS					
1	Average Rainfall (mm)		Actual				Normal				
			660.0 (- 26.2	1%)			894.4				
2	Number of districts received deficit	No of	districts with de	ficit rainfa	all	Total n	umber of c	listricts			
	rainfall in the State		18				24				
Note: Exce 99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; N ain -100%	ormal Rainfall: +19% to -19%; Deficient Rai			ainfall: -20%	fall: -60% to					
3	Area covered under major crops	Sl. No.	Name of the cro	op	Actual (Lakh			geted area _akh ha)			
		1	Paddy		1.5	0		1.70			
		2	Maize		0.1	2		0.22			
		3	Pulses		0.3	4		0.59			
		4	Oilseeds		0.1	6		0.27			
		5	Other Coarse Co	ereals	0.0	3		0.05			
<i>lote</i> : Top !	5 major crops considering Gross cropped area										
4	Incidence of major pests and diseases in major crops $(\boldsymbol{\checkmark})$	Sl. No.	Crop Name	Severe	e Mode	erate	Low	Not at al			
		1	Paddy				$\checkmark$				
		2	Maize					√			
		3	Pulses					√			
		4	Oilseeds								
		5	Other Coarse Cereals					V			
5	Farm output price of major crops	Sl.		Р	rice (Rs. p	er quint	al)	Average			
		No.	Crop Name	Jul	Aug		Sep	Price			
		1	Rice (Med)	3000	300	0	3100	3033			
		2	Wheat	1700	180	0	1800	1767			
		3	Maize	900	900	)	950	917			
		4	Arhar	6500	650	0	6600	6533			
		5	Moong	6800	680	0	6900	6833			
Note: Cons	ider major Producing market			1	I						
6	Seed availability in the local market for major crops $(\boldsymbol{})$	Sl. No.	Crop Name	Adec	quate		Shorta	ige			
		1	Paddy		V						
		2	Maize	•	V						
		3	Pulses	r	V						
		4	Oilseeds	'n	V						
		5	Other Coarse Cereals	- -	V						
Rea	son for shortage of seed in the local ma	rket	9	Suggestion	ns to overc	ome th	e shortage	?			
	NA				NA						

### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed	<b>a</b>			Price	(Rs. per kg)
	(certified) of major crops	Sl.No.	Crop Name	Loca	l variety	Hybrid variety
		1	Paddy		20	300
		2	Maize		15	350
		3	Arhar		60	70
		4	-		-	-
		5	-		-	-
Remarks:	:					
8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fertilizers	Adeq	uate	Shortage
	the local market $()$	1	1 Urea			
		2	DAP	N		
			SSP	N		
		4	Others	N		
9	9 Prevailing market price of fertilizer		Fertilizers		Pr	ice (Rs. per kg)
	1 Urea		Urea			6.00
		2	DAP			26.00
		3	SSP			9.00
		4	MoP			13.00
10	Availability of agricultural labour ( $\checkmark$ )	Easily available			Sł	nortage
	Availability of agricultural labour $(v)$					1
	Reason for shortage of agricultural labo	ur	Sug	gestions to c	overcome ti	,
is mono-	Reason for shortage of agricultural labor arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.	y large a	rea Suitable reviva	l measures	for fallow	he shortage
is mono-	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur	y large a	rea Suitable reviva	l measures	for fallow	he shortage land should be take
is mono- are low.	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.	y large a	rea Suitable reviva ers Allied activities	l measures	for fallow expanded a	<b>he shortage</b> land should be take nd strengthened.
is mono- are low.	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place. Prevailing wage rate for casual labour in	y large al al labour	ea Suitable reviva Allied activities Male	l measures need to be e	for fallow expanded a	<b>he shortage</b> land should be take nd strengthened. Female
is mono- are low. 11	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place. Prevailing wage rate for casual labour in agriculture (Rs/day)	y large ai al labour Tar	rea Suitable reviva Allied activities Male 250	l measures need to be e	for fallow expanded an Achievemen	he shortage land should be take nd strengthened. Female 200-225
is mono- are low. 11 12	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place. Prevailing wage rate for casual labour in agriculture (Rs/day) Availability of institutional credit for	y large ai al labour Tar 833	Male 250 26.60 (Annual)	l measures need to be e	for fallow expanded an Achievemer 2050 (A	he shortage land should be take nd strengthened. Female 200-225 nt (Rs. crore) Approx.)
is mono- are low. 11 12	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state	y large ai al labour Tar 833	Male 250 26.60 (Annual)	l measures , need to be e	for fallow expanded an Achievemer 2050 (A	he shortage land should be take nd strengthened. Female 200-225 nt (Rs. crore) Approx.)
is mono- are low. 11 12	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state	y large al al labour Tar 833 rget	Male 250 26.60 (Annual) Suitable reviva Male 250 26.60 (Section 1997) Sugg	l measures need to be e	for fallow expanded an Achievemer 2050 (A	he shortage land should be taken nd strengthened. Female 200-225 ht (Rs. crore) Approx.)
is mono- are low. 11 12 <b>R</b> 13	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state         Reason for less achievement against the tage	y large al al labour Tar 83: rget sets (nur	Male 250 26.60 (Annual) Suitable reviva Male 250 26.60 (Section 1997) Sugg	l measures need to be e	for fallow expanded an Achievemer 2050 (A	he shortage land should be take nd strengthened. Female 200-225 at (Rs. crore) Approx.) he shortage
is mono- are low. 11 12 <b>R</b> 13	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state         Reason for less achievement against the tag         Electricity availability for irrigation pump	y large and al labour Tar 83: rget sets (nur tricity:	Male 250 26.60 (Annual) Suitable reviva Male 250 26.60 (Section 1997) Sugg	eestions to o	for fallow expanded an Achievemer 2050 (A	he shortage land should be take nd strengthened. Female 200-225 at (Rs. crore) Approx.) he shortage
is mono- are low. 11 12 R 13 Suggestic	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state         Reason for less achievement against the tag         Electricity availability for irrigation pump on for improvement on more accuracy in elector	y large and al labour Tar 83: rget sets (nur tricity:	Male 250 Set (Rs. crore) 36.60 (Annual) Sugg	eestions to o	for fallow expanded an Achievemer 2050 (A	he shortage land should be take nd strengthened. Female 200-225 at (Rs. crore) Approx.) he shortage 13
is mono- are low. 11 12 R 13 Suggestic	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state         Reason for less achievement against the tag         Electricity availability for irrigation pump on for improvement on more accuracy in elector         Availability of farm machinery for timely	y large and al labour Tar 83: rget sets (nur tricity:	Male 250 Sector (Rs. crore) Sect	eestions to o	for fallow expanded an Achievemen 2050 (A vercome th	he shortage land should be take nd strengthened. Female 200-225 Int (Rs. crore) Approx.) The shortage 13 Shortage √
is mono- are low. 11 12 R 13 Suggestic 14	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state         Reason for less achievement against the tag         Electricity availability for irrigation pump on for improvement on more accuracy in elect         Availability of farm machinery for timely sharvesting and other operations (√)	y large and al labour Tar 83: rget sets (nur tricity:	Male 250 Section (Rs. crore) B6.60 (Annual) Sugg mber of hours per da Easily a Sugg	eestions to o	for fallow expanded an Achievemen 2050 (A vercome th vercome th	he shortage land should be take nd strengthened. Female 200-225 Int (Rs. crore) Approx.) The shortage 13 Shortage √
is mono- are low. 11 12 R 13 Suggestic 14	arger proportion of fallow land, significantly cropped, and wages being paid to agricultur So, large scale migration takes place.         Prevailing wage rate for casual labour in agriculture (Rs/day)         Availability of institutional credit for agriculture in the state         Reason for less achievement against the tage         Electricity availability for irrigation pump on for improvement on more accuracy in elect         Availability of farm machinery for timely harvesting and other operations (√)         Reason for the shortage	y large and al labour	Male 250 Section (Rs. crore) B6.60 (Annual) Sugg mber of hours per da Easily a Sugg Farm mechaniza	l measures need to be e gestions to o y) vailable gestions to o tion Banks sh	for fallow expanded an Achievemen 2050 (A vercome th vercome th	he shortage land should be take nd strengthened. Female 200-225 Int (Rs. crore) Approx.) Ine shortage 13 Shortage √ Ine shortage

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

	Indiantors			<i>c</i> .	www.	atatu a					
Sl.No.	Indicators		Antival	CI	Irrent	status	Normal				
1	Average Rainfall (mm)		Actual			1096.6					
			836.8				1096.6				
2	Number of districts received deficit rainfall in the State	No of	districts with de	ficit rain	fall	Total ı	number of o	districts			
			8				27				
<b>Note</b> : Exce -99%: No R		Normal Rai	ormal Rainfall: +19% to -19%; Deficient Rainf			nfall: -20% to -59%; Scanty Rainfall: -60% to					
					A atu		Tana				
3	Area covered under major crops	Sl. No.	Crop Name			al area :h ha)		eted area akh ha)			
			Winter Paddy		18	3.91		19.35			
			Pulses		1	.46		2.25			
		3	Maize		0	.31		1.00			
		4	Jute		0	.75		1.35			
		5	Sugarcane		0	.31		0.50			
Note: Top	5 major crops considering Gross Cropped Area										
4	Incidence of major pests and diseases i	ר Sl. No	. Crop Name	S	evere	Moderate	e Low	Not at a			
	major crops (√)	1	Winter Paddy			√					
		2	Pulses			√					
		3	Maize			√					
		4	Jute			$\checkmark$					
		5	Sugarcane			$\checkmark$					
5	Farm output price of major crops	Sl.			Price (	Rs. per quir	ntal)	Average			
		No.	Crop Name	Jul		Aug	Sep	Price			
		1	Winter Paddy	1420.0	00	1450.00	1470.00	1446.67			
		2	Pulses	3500.0	00	3585.00	3675.00	3586.67			
		3	Maize	1325.0	00	1350.00	1365.00	1346.67			
		4	Jute	2800.0	00 2	2860.00	3000.00	2886.67			
		5	Sugarcane	247.0	0	250.00	250.00	249.00			
	Note: Considering the major markets										
6	Seed availability in the local market for	Sl. No	. Crop Name			Adequa	te	Shortage			
	major crops $()$	1	Winter Paddy			$\checkmark$					
		2	Pulses			$\checkmark$					
		3	Maize			$\checkmark$					
		4	Jute			√					
		5	Sugarcane			$\checkmark$					
7	Prevailing market price of seed	Sl.No.	Crop Name			Price	(Rs. per kg	)			
	(certified) of major crops	50.00.	crop name		Loc	al variety	Hyb	rid variety			
		1	Winter Paddy			00-51.00		00-130.00			
		2	Pulses			00-65.00		00-185.00			
		3	Maize			00-60.00		00-85.00			
		4	Jute			00-70.00		00-130.00			
		5	Sugarcane		26.	00-34.00	40.	.00-55.00			

### Quarterly Report on Indicators of Agriculture

8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fe	ertilizers	Ac	lequate	Shortage		
	the local market $()$	1	U	rea		$\checkmark$			
		2	D	AP		V			
		3	SS	SP		√			
		4	0	thers		$\checkmark$			
9	Prevailing market price of fertilizer	Sl. No.	Fe	ertilizers		Price (Rs. per kg)			
		1	U	rea	9.00				
		2		AP	28.00				
		3		SP	10.00				
		4	0	thers		7	7.00-13.00		
10	Availability of agricultural labour $(\boldsymbol{})$		E	asily available		Sh	ortage		
			1						
1	Reason for shortage of agricultural labou	r		Suggesti	ons to c	overcome the	shortage		
	employment growth rate, low wage rate, le rrson days employment creates shortage of		er	1. Adoption of ma be an option to			elected activities can e of labour.		
	ation of labour from rural to urban areas ihood.	for bett	er	2. Increase in the	wage ra	tes for agricu	ltural workers		
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	Та	rge	et (Rs. in Crore)	s. in Crore) Achievement (Rs. in Cr				
				12846.51			92.13		
	institution has the tendency to allow credit d holding groups only	to the		To improve the credit flow to the needy farmers in the rural are especially the small and marginal farmers					
13	Electricity availability for irrigation pump sets (number of hours per day)		NA						
Suggestion	for improvement on more accuracy in elec	ctricity:							
14	Availability of farm machinery for timely s harvesting and other operations ( $$ )	owing,		Easily available		Shortage			
							$\checkmark$		
	Reason for shortage			Suggesti	ons to c	overcome the	shortage		
of faciliti	of cheap credit, small size of majority of j es of repair and scarcity of trained person reasons of shortage of farm machinery			Govt.	programme d	rs at subsidized rate and establishment of			
15	Availability of organic manure, farm-yard-	manure,		Adequate			Shortage		
	vermi-compost, bio-fertilizer (√)						√		
	Reason for shortage	• • •		Suggesti	ons to c	overcome the	shortage		
	and investors faced inadequate, incons nature of demand resulting in low production		and To develop marketing facility and encourage private enter				ge private enterprise		
16	Remarks and observations								

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

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Name of AERC: Jorhat
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State: Arunachal Pradesh

Quarter Covered: Jul - Sep 2018

SI.No.	Indicators			C	Currer	it status			
1	Average Rainfall (mm)		Actual				Nor	mal	
			731.06				77	6.4	
2	Number of districts received deficit rainfall in the State	No of	districts with de	ficit rair	nfall	Total	numbe	er of di	stricts
			3				1	6	
Note: Exce -99%; No Ro		ormal Rainfall: +19% to -19%; Deficient Rainfal			Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Sc			ty Rainfo	all: -60% to
3	Area covered under major crops	Sl. No.	Crop Name						eted area kh 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
	Note: Top 5 major crops considering Gross Crop	ped Are	a						
4	Incidence of major pests and diseases in major crops $(\!\!\!)$	Sl. No.	Crop Name	Severe		Moderate	e Low		Not at all
		1	Paddy			√			
		2	Oilseeds			$\checkmark$			
		3	Pulses			$\checkmark$			
		4	Maize			$\checkmark$			
		5	Sugarcane			$\checkmark$			
5	Farm output price of major crops	Sl.	Crop Name		Price	(Rs. per quir	ntal)		Average
		No.	Стор Маше	Jul		Aug	Aug Sep		Price
		1	Paddy	1425.0	.00 1460.00		1480.00		1455.00
		2	Oilseeds	3500.0	00	3550.00	3550	0.00	3533.33
		3	Pulses	3625.0	00	3650.00	3675	5.00	3650.00
		4	Maize	1300.0	00	1320.00	1320	0.00	1313.33
		5	Sugarcane	245.0	0	250.00	250	.00	248.33
Note: Cons	idering the major markets dealing with the crops	under r	eference						
6	Seed availability in the local market for major crops $()$					Adequat	te	S	hortage
		1	Paddy			√			
		2	Oilseeds			√			
		3	Pulses			√			
		4	Maize				ν		
		5	Sugarcane						

### Quarterly Report on Indicators of Agriculture

	Prevailing market price of seed	<b>CL NI</b>		Price (Rs. per kg)				
	(certified) of major crops	Sl.No.	Crop Name	Lo	ocal va	riety	Hybrid variety	
		1	Paddy	3	6.00-5	0.00	70.00-225.00	
		2	Oilseeds	5	5.00-8	0.00	70.00-130.00	
		3	Pulses	5	8.00-7	3.00	75.00-150.00	
		4	Maize	3	3.00-5	0.00	62.00-70.00	
		5	Sugarcane	2	5.00-3	4.00	30.00-50.00	
Remarks:								
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequate		Shortage	
	the local market $(\sqrt{)}$	1	Urea					
		2	DAP					
		3	3 SSP					
		4	Others					
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			ſ	Price (Rs. per kg)	
		1	Urea				8.50	
		2	DAP				24.00	
		3 SSP					8.00	
		4	Others				6.00-15.00	
10	Availability of agricultural labour ( $\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$		Easily available	e	Shortage			
							$\checkmark$	
	Reason for shortage of agricultural labou	ır		Suggestio	ns to c	vercome	the shortage	
-	n of labour from rural to urban and metr better livelihood is a pertinent issue.	o cities	of Agricultura can suppor			get reaso	nable wages so that the	
			Male Fema					
11	Prevailing wage rate for casual labour in		Male				Female	
11	Prevailing wage rate for casual labour in agriculture (Rs./day)		Male <b>280.00</b>				Female 190.00	
11	agriculture (Rs./day) Availability of institutional credit for	Ta		pre)		Achiever		
	agriculture (Rs./day)	Ta	280.00	pre)		Achiever	190.00	
12	agriculture (Rs./day) Availability of institutional credit for		280.00 arget (Rs. in Cro		ns to c		190.00 ment (Rs. in Crore)	
12	agriculture (Rs./day) Availability of institutional credit for agriculture in the State		280.00 arget (Rs. in Cro		ns to c		190.00 ment (Rs. in Crore) NA	
12 Re	agriculture (Rs./day) Availability of institutional credit for agriculture in the State eason for less achievement against the tag	rget	280.00 arget (Rs. in Cro NA	Suggestio	ns to c		190.00 ment (Rs. in Crore) NA the shortage	
12	agriculture (Rs./day) Availability of institutional credit for agriculture in the State	r <b>get</b> sets (nur	280.00 arget (Rs. in Cro NA	Suggestio			190.00 ment (Rs. in Crore) NA	
12 Re	agriculture (Rs./day) Availability of institutional credit for agriculture in the State ason for less achievement against the tag Electricity availability for irrigation pump Suggestion for improvement on more acce	rget sets (nur ıracy in e	280.00 Arget (Rs. in Cro NA nber of hours p <i>lectricity</i> :	Suggestio		vercome -	190.00 ment (Rs. in Crore) NA the shortage NA	
12 <i>Re</i> 13	agriculture (Rs./day) Availability of institutional credit for agriculture in the State ason for less achievement against the ta - Electricity availability for irrigation pump	rget sets (nur ıracy in e	280.00 Arget (Rs. in Cro NA nber of hours p <i>lectricity</i> :	Suggestio		vercome -	190.00 ment (Rs. in Crore) NA the shortage	
12 <i>Re</i> 13	agriculture (Rs./day) Availability of institutional credit for agriculture in the State ason for less achievement against the tag - Electricity availability for irrigation pump Suggestion for improvement on more accord Availability of farm machinery for timely	rget sets (nur ıracy in e	280.00 Arget (Rs. in Cro NA nber of hours p <i>lectricity</i> :	Suggestio er day) Easily a	availab	e I	190.00 ment (Rs. in Crore) NA the shortage NA Shortage √	
12 <i>Re</i> 13	agriculture (Rs./day)         Availability of institutional credit for agriculture in the State         cason for less achievement against the tag         Electricity availability for irrigation pump         Suggestion for improvement on more accord         Availability of farm machinery for timely and other operations (√)	sets (nur uracy in e sowing, h	280.00 arget (Rs. in Cro NA Index of hours p lectricity: arvesting	Suggestio er day) Easily a Suggestio	availab	e evercome	190.00 ment (Rs. in Crore) NA the shortage NA Shortage √ the shortage	
12 Re 13 14 ack of j	agriculture (Rs./day)         Availability of institutional credit for agriculture in the State         cason for less achievement against the tage         Electricity availability for irrigation pump         Suggestion for improvement on more accord         Availability of farm machinery for timely and other operations (√)         Reason for the shortage	sets (nur uracy in e sowing, h	280.00 arget (Rs. in Cro NA Index of hours p lectricity: arvesting	Suggestio er day) Easily a Suggestio introduce	availab ns to c differe	e e e wercome nt progra	190.00 ment (Rs. in Crore) NA the shortage NA Shortage √ the shortage mmes to supply of far	
12 Re 13 14 ack of j	agriculture (Rs./day)         Availability of institutional credit for agriculture in the State         cason for less achievement against the tage         Electricity availability for irrigation pump         Suggestion for improvement on more accord         Availability of farm machinery for timely and other operations (√)         Reason for the shortage	sets (nur uracy in e sowing, h	280.00  arget (Rs. in Cro NA  nber of hours p lectricity: arvesting of Govt. can machinery	Suggestio er day) Easily a Suggestio introduce	availab ns to c differe	e e e wercome nt progra	190.00 ment (Rs. in Crore) NA the shortage NA Shortage √ the shortage mmes to supply of far id rate. Shortage	
12 Re 13 14 ack of j armers.	agriculture (Rs./day)         Availability of institutional credit for agriculture in the State         cason for less achievement against the tage         cason for improvement on more accord         Availability of farm machinery for timely and other operations (√)         Reason for the shortage         purchasing power of small and marginal         Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (√)	sets (nur uracy in e sowing, h	280.00  arget (Rs. in Cro NA  nber of hours p lectricity: arvesting of Govt. can machinery	Suggestio er day) Easily a Suggestio introduce to the farn Adequate	availab ns to c differe ners at	vercome - le lovercome nt progra subsidize	190.00 ment (Rs. in Crore) NA the shortage NA Shortage √ the shortage mmes to supply of far d rate. Shortage √	
12 Re 13 14 ack of j armers. 15	agriculture (Rs./day)         Availability of institutional credit for agriculture in the State         cason for less achievement against the tage         cason for improvement on more accord         Availability of farm machinery for timely and other operations (√)         Reason for the shortage         purchasing power of small and marginal         Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (√)         Reason for the shortage	sets (nur uracy in e sowing, h groups	280.00  arget (Rs. in Cro NA  Inber of hours p lectricity: arvesting of Govt. can machinery	Suggestio er day) Easily a Suggestio introduce to the farn Adequate Suggestio	availab ns to c differe ners at	vercome - le nt progra subsidize	190.00 ment (Rs. in Crore) NA the shortage NA Shortage √ the shortage mmes to supply of far id rate. Shortage √ the shortage	
12 Re 13 14 ack of j armers. 15 .ow prod	agriculture (Rs./day)         Availability of institutional credit for agriculture in the State         cason for less achievement against the tage         cason for improvement on more accord         Availability of farm machinery for timely and other operations (√)         Reason for the shortage         purchasing power of small and marginal         Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (√)	sets (nur uracy in e sowing, h groups	280.00  arget (Rs. in Cro NA  Inber of hours p lectricity: arvesting of Govt. can machinery	Suggestio er day) Easily a Suggestio introduce to the farn Adequate Suggestio	availab ns to c differe ners at ons to c policy r	vercome - le nt progra subsidize wercome measure t	190.00 ment (Rs. in Crore) NA the shortage NA Shortage √ the shortage mmes to supply of far d rate. Shortage √	

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

Name of	f AERC: Jorhat Sta	te: Me	ghalaya			Quarter Co	vered	: Jul -	Sep 2018
SI.No.	Indicators				Curre	nt status			
1	Average Rainfall (mm)		Actual		curre		No	rmal	
			955.02						
			955.02				14	10.12	
2	Number of districts received deficit rainfall in the State	No o	f districts with o	deficit rai	nfall	Total	numb	er of districts	
			3					7	
<b>Note:</b> Exce -99%; No R	rss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Ra	iinfall: +19% to -19%	%; Deficien	t Rainf	fall: -20% to -59	%; Scan	ty Rainf	fall: -60% to
3	Area covered under major crops		Crop Name			Actual area (lakh ha)			geted area lakh ha)
		1	Paddy			1.09			1.53
		2	Maize			0.18			0.30
		3	Jute			0.06			0.10
		4	Oilseeds			0.14	0.29		
		5	Pulses		0.08			0.14	
Note: Top	5 major crops considering Gross Cropped Area								
4	Incidence of major pests and diseases in major crops $(\boldsymbol{\surd})$	Sl. No.			e	Moderate		_ow	Not at a
	-	1	Paddy			$\checkmark$			
		2	Maize			$\checkmark$			
		3	Jute			$\checkmark$			
		4	Oilseeds			$\checkmark$			
		5	Pulses			$\checkmark$			
5	Farm output price of major crops	Sl.			Price	(Rs. per quir	ntal)		Average
		No.	Crop Name	Apr		May	Jun		Price
		1	Paddy	1400.	00	1430.00	144	5.00	1425.00
		2	Maize	1305.	00	1320.00	132	5.00	1316.67
		3	Jute	2710.	00	2725.00	272	5.00	2720.00
		4	Oilseeds	3520.	00	3530.00	355	2.00	3534.00
		5	Pulses	3655.	00	3675.00	369	0.00	3673.33
Note: Cons	sidering the major markets								1
6	Seed availability in the local market for major crops $(\boldsymbol{\surd})$	Sl. No.	Crop Name			Adequate	9	S	ihortage
		1	Paddy			$\checkmark$			
		2	Maize						
		3	Jute			$\checkmark$			
		4	Oilseeds			$\checkmark$			

Pulses

5

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### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed (certified) of major crops	<b>CL</b> 11	C		Price (Rs	s. per kg)	
	(certified) of major crops	Sl. No.	Crop Name	Local	variety	Hybrid variety	
		1	Paddy	36.00	-44.00	80.00-200.00	
		2	Maize	26.00	-40.00	38.00-58.00	
		3	Jute	52.00	-76.00	78.00-110.00	
		4	Oilseeds	64.00	-75.00	80.00-125.00	
		5	Pulses	56.00	-70.00	80.00-150.00	
Remarks:							
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Ade	equate	Shortage	
	the local market $()$	1	Urea		$\checkmark$		
		2	DAP		$\checkmark$		
		3	SSP		$\checkmark$		
		4	Others		$\checkmark$		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		P	Price (Rs. per kg)	
		1	Urea			8.00	
		2	DAP			23.50	
		3	SSP			8.00	
		4	Others			5.50-12.00	
10	Availability of agricultural labour $(\boldsymbol{\boldsymbol{\gamma}})$		Easily available	5		Shortage	
	Reason for shortage of agricultural labor		C	uggestions to		√	
com 2. Mig	nilly state demand of manual labour is ve apared to a plain state in all agricultural op ration of labour from rural sector to urba another reason for labour shortage.	ery high erations.	as 1. Increase			icultural workers	
11	Prevailing wage rate for casual labour in		Male			Female	
	agriculture (Rs./day)		300			220	
12	Availability of institutional credit for agriculture in the State		Target (Rs. in Cro	ore)	Achieve	ement (Rs. in Crore)	
			2155.41			377.05	
R	eason for less achievement against the ta	rget	Si	uggestions to	overcome t	he shortage	
The lend friendly	ing procedure of financial institution is not	farmers	Administrativ acquiring loa			farmers at the time o	
13	Electricity availability for irrigation pump	sets (nur	mber of hours per	day)		NA	

July-September 2018

14	Availability of farm machinery for timely sowing, have other operations $()$	esting and	Easily available	Shortage		
	Reason for shortage		Suggestions to overcome	the shortage		
	ners are not willing to purchase the high priced farm hinery.	<ol> <li>The use of farm machinery is possible for large area. for which the practice of cooperative farming, contract farming, etc., are to be resorted to.</li> <li>The State Govt. can come forward to provide implement and machinery at subsidized rate</li> </ol>				
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer ( $$ )	A	dequate	Shortage		
				$\checkmark$		
	Reason for the shortage	Suggestions to overcome the shortage				
Farmers'	Farmers' lack of interest and awareness		Govt. can encourage the farmers and take up some programme for production of organic manure and bio- fertilizers.			
16	Remarks and observations					

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

INALLIE OT	AERC: Jorhat Sta	ate: Mi	201 d111		Quarter CO	vered: Jul -	- Seh 2018	
SI.No.	Indicators			Curre	ent status			
1	Average Rainfall (mm)		Actual			Normal		
			1145.23			1224.5		
2	Number of districts received deficit	No o	f districts with d	eficit rainfall	Total	number of d	istricts	
	rainfall in the State		3			8	8	
<b>lote:</b> Exce 99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; N ain -100%	ormal Ra	infall: +19% to -19%	; Deficient Rain	fall: -20% to -59	%; Scanty Rain,	fall: -60% to	
3	Area covered under major crops		Crop Name		tual area akh ha)		eted area kh ha)	
		1	Paddy		0.40	(	0.62	
			Oilseeds		0.03	(	0.07	
		3	Maize		0.07	(	0.12	
		4	Pulses		0.04	(	0.10	
		5	Sugarcane		0.01		0.03	
lote: 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 a	
		1	Paddy		√			
		2	Oilseeds		√			
		3	Maize		√			
		4	Pulses		$\checkmark$			
		5	Sugarcane		$\checkmark$			
5	Farm output price of major crops	Sl.		Pric	e (Rs. per qui	ntal)	Average	
		No.	Crop Name	Jul	Aug	Sep	Price	
		1	Paddy	1395.00	1450.00	1468.00	1437.67	
		2	Oilseeds	3480.00	3510.00	3550.00	3513.33	
		3	Maize	1300.00	1310.00	1315.00	1308.33	
		4	Pulses	3695.00	3710.00	3725.00	3710.00	
		5	Sugarcane	248.00	250.00	250.00	249.33	
lote: Cons	idering the major markets							
6	Seed availability in the local market for major crops $(\boldsymbol{\surd})$	Sl. No.	Crop Name		Adequate	e S	Shortage	
		1	Paddy		$\checkmark$			
		2	Oilseeds		$\checkmark$			
		3	Maize		$\checkmark$			
		4	Pulses		$\checkmark$			
		5	Sugarcane		$\checkmark$			

July-September 2018

7	Prevailing market price of seed (certified) of major crops	SI.			Price (Rs	. per kg)
		No.	Crop Name	Loca	l variety	Hybrid variety
		1	Paddy	35.0	0-41.00	73.00-210.00
		2	Oilseeds	57.0	0-70.00	75.00-120.00
		3	Maize	26.0	0-40.00	50.00-86.00
		4	Pulses	69.0	0-77.00	80.00-125.00
		5	Sugarcane	24.0	0-33.00	36.50-48.00
Remarks:						
8	Chemical Fertilizer (NPK) availability in the local market $(\sqrt{)}$	Sl. No.	Fertilizers	Adeo	quate	Shortage
	1 Ure		Urea			
			DAP			
		3	SSP		1	
		4	Others		V	
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Pri	ce (Rs. per kg)
		1	Urea			9.00
		2	DAP			28.00
		3	SSP			8.50
		4	Others			7.00-11.00
10	Availability of agricultural labour $(\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$		Easily available		Sh	ortage
	Reason for shortage of agricultural labou	ır	Sug	gestions to	overcome th	e shortage
agrie activ	culture is mostly a seasonal venture for cultural labours prefer to shift to other vities. ration of labour from rural sector to urban s	econom		the wage ro	ates for agric	ultural labours
migi						
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	2)	Achieven	nent (Rs. in Crore)
			NA			NA
Re	eason for less achievement against the ta	rget	Sug	gestions to	overcome th	e shortage

### Quarterly Report on Indicators of Agriculture

13	Electricity availability for irrigation pump	sets (number	of hours per day)		NA			
	Suggestion for improvement on more accu	racy in electr	icity:					
14	Availability of farm machinery for timely s harvesting and other operations ( $$ )	owing,	Easily available		Shortage			
					$\checkmark$			
Reas	on for shortage of agricultural labour		Suggestions t	o overcoi	me the shortage			
affoi	ll and marginal groups of farmers cannot rd to purchase all the modern costly hinery.	practic resorte	practice of cooperative farming, contract farming, etc., are to b resorted to.					
15	Availability of organic manure, farm-yard-1	1		-				
15	vermi-compost, bio-fertilizer ( $$ )	-	Adequat	e	Shortage			
					$\checkmark$			
	Reason for the shortage		Suggest	ions to o	vercome the shortage			
,	policy initiatives are not sufficient enough t and hence shortage persists		To adopt new polic manure and bio-fer		es to ensure availability of organic			
16	Remarks and observations							

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

Name of	AERC: Jorhat S	tate: Ma	nipur			Quarter Covered: Jul - Sep 2018			
Sl.No.	Indicators			(	Curre	nt status			
1	Average Rainfall (mm)		Actual				No	ormal	
			605.5				74	1.30	
2	Number of districts received deficit	No o	f districts with d	eficit rai	nfall	Total	numb	er of di	stricts
	rainfall in the State		4				9		
Note: Exces -99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; ain -100%	Normal Ra	infall: +19% to -19%	; Deficien	t Rainj	fall: -20% to -59	%; Scan	ity Rainf	all: -60% to
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						0.06
Note: Top !	5 major crops considering Gross Cropped Area				1				
4	Incidence of major pests and diseases i major crops $(\boldsymbol{})$	n Sl. No.	Crop Name	lame Severe		Moderate		ow	Not at all
		1	Paddy		N				
		2	Oilseeds		$\checkmark$				
		3	Maize			~			
		4	Pulses			~			
		5	Sugarcane			$\checkmark$			
5	Farm output price of major crops	Sl.			Price (Rs. per quintal)				Average
		No.	Crop Name	Jul		Aug	Sep		Price
		1	Paddy	1420.	.00	1420.00	146	5.00	1428.33
		2	Oilseeds	3450.	.00	3475.00	350	00.00	3475.00
		3	Maize	1300.	.00	1310.00	131	0.00	1306.67
		4	Pulses	3625.	.00	3625.00	365	0.00	3633.33
		5	Sugarcane	247.0	00	247.00	24	9.00	247.67
Note: Cons	idering the major markets					·			
6	Seed availability in the local market for major crops $()$	SI. No.	Crop Name			Adequate	9	S	hortage
		1	Paddy			$\checkmark$			
		2	Oilseeds			$\checkmark$			
		3	Maize			$\checkmark$			
		4	Pulses			$\checkmark$			
		5	Sugarcane			$\checkmark$			

### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed	Sl.	Cran Nama		Р	Price (Rs.	per kg)	
	(certified) of major crops	No.	Crop Name	L	ocal vari	iety	Hybrid variety	
		1	Paddy	3	4.00-47	7.00	85.00-200.00	
		2	Oilseeds	5	8.00-70	0.00	75.00-125.00	
		3	Maize	2	6.00-39	.00	44.00-68.00	
		4	Pulses	6	0.00-75	i.00	80.00-125.00	
		5	Sugarcane	2	0.00-28	8.00	30.00-52.00	
Remarks:	1							
8	Chemical Fertilizer (NPK) availability in the local market $()$	Sl. No.	Fertilizers		Adequate Shortage			
		1	Urea		V			
		2	DAP		√			
		3	SSP		√			
		4	Others					
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Pr	ice (Rs. per kg)	
		1	Urea				8.00	
		2	DAP				22.50	
		3	SSP				8.00	
		4	Others				6.50-13.00	
10	Availability of agricultural labour $(\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$		Easily availab	ole		hortage		
				<u> </u>			√ 	
	Reason for shortage of agricultural labou			Suggestions to			-	
At presei sector	nt agricultural workers prefer to work in othe	econon	it is require	d to advocate	mecnam	ization 1	n agriculture	
11	Prevailing wage rate for casual labour in		Male				Female	
	agriculture (Rs./day)		280				200	
12	Availability of institutional credit for		Target (Rs. in C	rore)	Ac	chieveme	ent (Rs. in Crore)	
	agriculture in the State		486.31				175.55	
R	eason for less achievement against the ta	rget		Suggestions to	o overco	ome the	shortage	
Small &	marginal group of farmers are not aware			bank in rural s of institution			the farmers aware o	
13	Electricity availability for irrigation pump	sets (nui	nber of hours pe	er day)			NA	
Suggestic	on for improvement on more accuracy in elec	ctricity:	-					
14	Availability of farm machinery for timely	sowing. h	arvesting and	Easily a	vailable		Shortage	
	other operations ( $$ )	0,	C C				√	
	Reason for shortage			Suggestions to	o overco	ome the	shortage	
	33% of the total farmers of the State belong t			-	•	-	arge areas, for whicl	
-	! groups who cannot afford to purchase all t achinery which is a main reason of shortage.		rn the practice to be resort		e farmin	ng, contr	act farming, etc., ar	
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ( $$ )	manure,	/	Adequate			Shortage $$	
	Reason for the shortage			Suggestions to	o overco	ome the		
	awareness of farmers on availability of orga rd manure, vermi- compost, bio-fertilizer etc		re The State production	Government h	as take inure an	n up so nd bio- f	ome programmes fo Fertilizers. Awarenes	
16	Remarks and observations							
	Not Available							

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

vanie 0	of AERC: Jorhat Sta	ite: Na	galand			Quarter Co	vered: Jul -	Sep 201	
Sl.No.	Indicators           Average Rainfall (mm)				Curre	ent status			
	Average Kannak (mm)		Actual			Normal			
			845.7				997.20		
2	Number of districts received deficit rainfall in the State	No o	f districts with c	lefici	t rainfall	Total	number of di	stricts	
			5				11		
	ess Rainfall: +20% or more than Actual Rainfall; No Rain -100%	ormal Ra	infall: +19% to -19%	%; Def	ficient Rain	fall: -20% to -59	%; Scanty Rainf	all: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name			tual area akh ha)		ted area (h 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	.09		
ote: Top	5 major crops considering Gross Cropped Area		I	I					
4	Incidence of major pests and diseases in major crops $(\!\!\!)$	Sl. No.	Crop Name	Se	evere	Moderate	Low	Not at al	
		1	Paddy			$\checkmark$			
						,			
		2	Oilseeds			$\checkmark$			
		2	Oilseeds Pulses			√ √			
						-			
		3	Pulses			√			
5	Farm output price of major crops	3 4 5	Pulses Maize Sugarcane		Pric	√ √	ntal)	Δverage	
5	Farm output price of major crops	3	Pulses Maize		Pric	الم الم الم	ntal) Sep		
5	Farm output price of major crops	3 4 5 Sl.	Pulses Maize Sugarcane	1		√ √ √ e (Rs. per qui		Price	
5	Farm output price of major crops	3 4 5 SI. No.	Pulses Maize Sugarcane Crop Name		Jul	√ √ √ e (Rs. per qui Aug	Sep	Price 1415.0	
5	Farm output price of major crops	3 4 5 SL. No. 1	Pulses Maize Sugarcane Crop Name Paddy	3	Jul <b>390.00</b>	√ √ √ e (Rs. per qui Aug 1410.00	Sep 1445.00	Price 1415.0 3460.0	
5	Farm output price of major crops	3 4 5 SI. No. 1 2	Pulses Maize Sugarcane Crop Name Paddy Oilseeds	3	Jul 390.00 450.00	√ √ √ √ √ √ √ √ √ √ √ √ 1410.00 3465.00	Sep 1445.00 3465.00	Average Price 1415.00 3460.0 3631.6 1313.33	

### Quarterly Report on Indicators of Agriculture

6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name		Adequate	Shortage		
		1	Paddy					
		2			√			
			Oilseeds					
		3	Pulses		$\checkmark$			
		4	Maize		$\checkmark$			
		5	Sugarcane		$\checkmark$			
7	Prevailing market price of seed	SI.			Price (Rs. per kg)			
	(certified) of major crops	No.	Crop Name	Loca	al variety	Hybrid variety		
		1 Paddy		37.0	00-50.00	80.00-250.00		
		2	Oilseeds	70.0	00-90.00	70.00-130.00		
		3	Pulses	60.0	00-70.00	75.00-130.00		
			Maize	30.0	00-42.00	45.00-65.00		
		5	Sugarcane	20.0	00-28.00	30.00-47.00		
Remarks:								
8	Chemical Fertilizer (NPK) availability in the local market $(\sqrt{)}$	Sl. No.	Fertilizers	4	dequate	Shortage		
		1	Urea		$\checkmark$			
		2	DAP	)AP				
		3	SSP	SP				
		4	Others		$\checkmark$			
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Price	e (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		Sho	rtage		
	Reason for shortage of agricultural labor	ur	Sugges	tions to o	vercome the sh	ortage		
	wage of agricultural labours creates the s ur problem	shortage	of 1. Agricultural la they can suppo			able wages so that		
	ation of labour from rural area to urba er livelihood is another reason for shortage							
11	Prevailing wage rate for casual labour in		Male		Fe	emale		
	agriculture (Rs./day)		290.00		19	90.00		
12	Availability of institutional credit for agriculture in the State	Ta	rget (Rs. in Crore)		Achievement (R	s. in Crore)		
			NA		NA			
Re	eason for less achievement against the ta	rget	Sugges	tions to o	overcome the sh	ortage		
	NA				NA			
		_						

July-September 2018

13	Electricity availability for irrigation pump sets (number	er of hours pe	r day)		NA
Suggestic	on for improvement on more accuracy in electricity:		1		
14	Availability of farm machinery for timely sowing, have other operations $()$	esting and	Easily available		Shortage
					$\checkmark$
	Reason for shortage		Suggestions to ov	ercome the s	hortage
Lack of farmers.	purchasing power of small and marginal groups of		ntroduce different o the farmers at s	1 0	s to supply of farm e.
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer ( $$ )	Adequate		Shortage	
					$\checkmark$
	Reason for the shortage		Suggestions to ov	ercome the s	hortage
	on of organic manure farm-yard manure, vermin- , bio-fertilizer is too low		w policy measures bio-fertilizer	s to ensure av	vailability of organic
16	Remarks and observations				

Quarterly Report on Indicators of Agriculture

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

Name of AERC: Jorhat Sta			pura		Quarter Covered: Jul - Sep 2018				
SI.No.	Indicators			Curre	nt status				
1	Average Rainfall (mm)		Actual			Normal			
			908.7						
2	Number of districts received deficit rainfall in the State	No o	No of districts with deficit rainfall Total number of di						
			2 4						
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		cual area akh ha)		ted area (h ha)		
		1	Paddy		2.54	2	.75		
		2	Maize		0.05	0	.09		
		3	Pulses		0.10	0	.13		
		4	4 Oilseeds 0.07		0.07	0	.10		
		5	5 Sugarcane		0.02	0	.03		
Note: Top !	5 major crops considering Gross Cropped Area								
4	Incidence of major pests and diseases in major crops $(\boldsymbol{})$	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all		
		1	Paddy		$\checkmark$				
		2	Maize		$\checkmark$				
		3	Pulses		$\checkmark$				
		4	Oilseeds		$\checkmark$				
		5	Sugarcane		$\checkmark$				
5	Farm output price of major crops	SI. No.	Crop Name	Pric	e (Rs. per qui	ntal)	Average Price		
		NO.		Jul	Aug	Sep	FILE		
		1	Paddy	1400.00	1425.00	1450.00	1425.00		
		2	Maize	1300.00	1300.00	1310.00	1303.33		
		3	Pulses	3650.00	3650.00	3665.00	3655.00		
		4	Oilseeds	3410.00	3450.00	3450.00	3436.67		
		5	Sugarcane	242.00	245.00	245.00	244.00		
Note: Cons	idering the major markets dealing with the cro	os under r	eference						

6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name		Adequ	iate	Shortage		
		1	Paddy		√				
		2	Maize		√				
		3	Pulses		√				
		4	Oilseeds	√					
		5	Sugarcane		√				
7	Prevailing market price of seed	SI.			Price (	Rs. per l	kg)		
	(certified) of major crops	No.	Crop Name	Crop Name Local			brid variety		
		1	Paddy	34.0	00-56.00	70	.00-190.00		
		2	Maize	29.0	0-38.00	4(	0.00-60.00		
		3	Pulses	60.0	00-75.00	78	3.00-115.00		
		4	Oilseeds	59.0	00-67.00	80	0.00-110.00		
		5	Sugarcane	23.0	00-30.00	35	5.00-45.00		
Remarks:	:			I					
8	Chemical Fertilizer (NPK) availability in the local market $()$	Sl. No.	Fertilizers	Fertilizers Adequ		Shortage			
		1	Urea		$\checkmark$				
		2	DAP	DAP					
		3	SSP		$\checkmark$				
		4	Others		$\checkmark$				
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Price (Rs. per kg)				
		1	Urea		7.50				
		2	DAP			21.00			
		3	SSP		7.50				
		4	Others			5.50-14	4.00		
10	Availability of agricultural labour $()$		Easily available		5	Shortage			
						$\checkmark$			
	Reason for shortage of agricultural labor	ır	Su	ggestions to	o overcome t	he short	tage		
Migratio	n of labour from rural to urban areas		To reduce the policy initiativ				dopt some basi ood option		
11	Prevailing wage rate for casual labour in		Male			Female			
	agriculture (Rs./day)		280		210				
12	Availability of institutional credit for	ר ו	Farget (Rs. in Crore)		Achievement (Rs. in Crore)				
	agriculture in the State		2338.77			735.36			

### Quarterly Report on Indicators of Agriculture

R	Reason for less achievement against the target		Suggestions t	to overco	me the shortage			
2. Bar	ection procedure of the beneficiaries is too clumsy nk officials are reluctant to disburse credit because payment is not satisfactory	1. Selection of beneficiaries must be simple & hassle free						
13	Electricity availability for irrigation pump sets (number	er of hou	rs per day)	NA				
	Suggestion for improvement on more accuracy in elec	tricity:	1					
14 Availability of farm machinery for timely sowing, have and other operations $()$			ng Easily available		Shortage			
	Reason for shortage	Suggestions to overcome the shortage						
	nd marginal farmers cannot afford to purchase all the costly machinery.	Govt. should supply farm machinery to the small & marging farmers at subsidized rate.						
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer ( $$ )		Adequate		Shortage			
					$\checkmark$			
	Reasons for shortage	Suggestions to overcome the shortage						
1. Present policy initiatives are not sufficient enough to meet the demand and hence shortage persists.		1. Bio- fertilizer production centre should enhance thei production capacity for reducing the shortage of fertilize						
2. Lac	ck of awareness on the uses of bio-fertilizer           Remarks and observations							

NA implies Not Available

Sources:

1) Economic Survey

2) Statistical Hand Book

a) Website of Agricultural Department4) Nedfi Data Bank

5) IMD, Website6) Minutes of SLBC Meeting

### July-September 2018

### Agro-Economic Research Centre, Santiniketan, West Bengal

Name of	AERC: Santiniketan	State: W	Vest	Bengal			Quarter C	overed	: Jul -	Sep 2018	
SI.No.	Indicators				(	urrer	t status				
1	Average Rainfall (mm)			Actual				Nor	mal		
				6030.4				7293.6			
2	No. of districts received deficit rainfall	No. of	f dict	ricts with de	ficit rai	nfall	Tota	l numbe	r of di	stricts	
L	in the state	110. 01		12 19						501005	
-99%; No Ro	s Rainfall: +20% or more than Actual Rainfall; Na in -100% ectorate of Agriculture, Govt. of West Bengal	ormal Rai	infall:	+19% to -19%;	Deficien	: Rainfo	all: -20% to -5	9%; Scant	y Rainf	all: -60% to	
3	3 Area covered under major crops		Cro	op Name			Actual are (Lakh ha)			geted area Lakh ha)	
		1	Aus	s Paddy			2.24			2.24	
		2	Am	an Paddy			40.47			40.70	
		3		ize(B)			0.51			0.54	
		4	Urc	1			0.50			0.65	
		5	5 Jute(B)				4.90			5.60	
	major crops considering Gross cropped area ectorate of Agriculture, Govt. of West Bengal										
4	Incidence of major pests and diseases in principal crops sown $({\bf V})$	Sl. No.	Cro	op Name	Severe		Moderate	Lo	W	Not at al	
		1	Aus	s Paddy						$\checkmark$	
		2	Am	an Paddy				1	/		
		3	Mai	ize(B)						$\checkmark$	
		4	Urc	ł						$\checkmark$	
		5	Jut	e(B)						$\checkmark$	
Source- Dir	ectorate of Agriculture, Govt. of West Bengal	_									
5	Farm output price of major crops	Sl.			Price (Rs. pe		e (Rs. per q	per quintal)		Average	
		No.	Cro	p Name	Jul		Aug	Sep		Price	
		1	Aus	s Paddy	1250.00		1300.00	-	50	1300.00	
		2	Am	an Paddy	1500	.00	1550.00	157	5.00	1542.00	
		3		ize(B)	4100	.00	4150.00	420	0.00	4100.00	
		4	Urc	1	NA		NA	•	IA	NA	
		5	Jut	e(B)	4400	.00	44.50	_	0.00	4450.00	
Note: Consi	der major producing market	1	1							1	
6	Seed availability in the local market for	Sl. No	0.	Crop Name			A	dequate		Shortage	
	major crops (√)	1		Aus Paddy				$\checkmark$			
		2		Aman Paddy	/			$\checkmark$			
		3		Maize(B)				$\checkmark$			
		4		Urd				$\checkmark$			
		5		Jute(B)				$\checkmark$			
Rea	ason for shortage of seed in the local ma	ırket			Sugges	tions	to overcom	e the sh	ortage	2	
	-						-				

### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed	Sl.				Pric	Price (Rs. per kg)			
	(certified) of major crops	No.	Crop	Name	Lo	cal variet	у	Hybrid variety		
		1	Aus I	Paddy		-		28.00		
		2	Amar	n Paddy		-		35.00		
		3	Maize	e (B)		-		18.00		
		4	Urd			-		48.00		
		5	Jute	(B)		-		50.00		
Source: Lo	ocal Market									
8	Chemical Fertilizer (NPK) availability in	Sl. No	o. F	Fertilizers		Adeo	quate	Shortage		
	the local market $()$		ι	Urea			V			
		2	]	DAP			V			
		3	5	SSP			V			
		4		Others		-	$\checkmark$			
Reason f	or shortage of chemical fertilizer in the l	ocal mar	rket		Suggestions to	overcom	ne the sho	rtage		
	-					-				
9	Prevailing market price of fertilizer	Sl. No.	Ferti	ilizers			Price (F	Rs. per kg)		
		1	Urea	l			1	0.50		
		2	DAP				2	7.50		
		3	SSP				12.00 20.00			
		4	Othe	ers						
Source- Lo	ocal Market									
10	Availability of agricultural labour ( $$ )			Ea	sily available		S	hortage		
					-					
	Reason for shortage of agricultural labou	ır			Suggestions to	overcom	e the shor	tage		
Due to co	p-inside of 100 days work with Agril. work				l be taken to im harvesting work		NREGA bef	ore or after		
Source- Lo	ocal Market									
11	Prevailing wage rate for casual labour in			Male			Fem	ale		
	agriculture (Rs./day)			225			225			
Source- Di	rectorate of Agriculture, Govt. of West Bengal					1				
12	Availability of institutional credit for		Targe	et (Rs. in C	rore)	Achie	evement (F	Rs. in Crore)		
	agriculture in the State			64071.00	/		11846.			
Re	eason for less achievement against the ta	rget			tage					
	-					-				
Source: UE	BI, Head Office, Kolkatta									
13	Electricity available for irrigation pump so	ets (No. c	of hour	rs per day)			NA	4		
Suggestion	for improvement on more accuracy in electricity	:				-1				
14	14 Availability of farm machinery for timely sowing, har other operations $(\sqrt{)}$			ting and	Easily ava	ailable		Shortage $$		
	Reason for the shortage				Suggestions to	overcom	e the shor			
Availabili	ity is less and requirement is at a time			d be taken to in		come the shortage se supply of farm machinerie:				
15	Availability of organic manure, farm-yard- vermi-compost, bio-fertilizer (√)	manure,		Adequate			Sł	nortage		
Source: 10	jan karket				v					
Jource. Lt										
16	Remarks and observations	Fine								

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

SI.No.	Indicators				Cu	rren	t Status				
1	Average Rainfall (mm)		Actual				Normal				
	01-07-2018 to 30-09-2018		363.5					462	2		
								402			
2	Number of districts received deficit rainfall in the State	No of districts with deficit rainfall					То	tal numbe	r of di	stricts	
		7	(Deficient) & 6	(Norr	mal)			1	3		
Note: Exce •99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Rai	nfall: +19% to -19%	; Defi	ficient R	ainfa?	ll: -20% to	-59%; Scanty	ı Rainfo	all: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name		Actua	l are	a (lakh ha	) Targe	ted ar	ea (lakh ha)	
		1	Rice			13.	.57		16.	26	
		2	Other cereals			1.	31		2.	77	
		3	Pulses			2.	46		4.0	64	
		4	Oilseeds			6.	41		10.	.23	
		5	Others (Fibers) 5.				5.30 5.87				
Note: Top	5 major crops considering Gross cropped a	rea									
4	4 Incidence of major pests and diseases in principal crops sown $()$		Name of the Crop	he Severe		Mod	erate	Low		Not at all	
		1	Paddy								
		2	Non-Paddy								
5	Farm output price of major crops	SI. Crop Name				Price	e (Rs. per	quintal)		Average	
		No.	Сгор мате		Jul		Aug	Se	р	Price	
		1	Paddy commo	n						1750	
		2	Paddy Grade A	4						1770	
		3	Maize							1700	
		4	Ragi							2897	
		5	Groundnut							4890	
		6	Moong							6975	
		7	Biri							5600	
		8	Wheat							1840	
		9	Arhar							5675	
		10	Gram							4620	
		11 12	Til Mustard							6249 4200	
Note: Cons	ider major producing market	12	musturu							1200	
6	Seed availability in the local market for major crops (/)	SI. No.	Crop Name				Adequat	e	Sł	nortage	
		1	Paddy		√						
		2	Pulses				$\checkmark$				
	-		Groundnut			√					

### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed (certified) of major crops SI. N		Crop Nan	ne		Price (Rs. per Qtl.) (Sale rate of Dept.seeds)				
					Local	variety		Hybrid variety		
		1	Paddy		2800	-3280		-		
		2	Ragi		50	000		-		
		3	Mung		7000	-9000		-		
			Blackgrar	n	71	100		-		
		5	Arhar		6442-	-12000		-		
		6	Groundnu	ıt	61	100		-		
		7	Til		11	600		-		
		8	Sunhemp	Sunhemp 7800				-		
		9	Dhanicha		69	900		-		
		10	Sunflower			-55000		-		
		11	Maize			-35000		-		
Remarks:			maize		7700	55000				
8	Chemical Fertilizer(NPK) availability in	Sl. No.	Fertilizer	S	Ac	lequate		Shortage		
	the local market $()$	1	Urea	rea		√				
		2	DAP		√ √					
		3	SSP							
		4	Others			√				
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers				Price (	Rs. per 50 kg)		
		1	Urea				295			
		2	DAP			14	400-1450			
		3	SSP				4	425-525		
		4	Others 15:	15:15		971				
10	Availability of agricultural labour ( $\checkmark$ )		Easily a	available			Sho	ortage		
				$\checkmark$						
11	Prevailing wage rate for casual labour in		Μ	ale			Fe	Female		
	agriculture (Rs./day)		4	00			:	250		
12	Availability of institutional credit for		Target (	Rs. crore)		A	chieveme	ent (Rs. crore)		
	agriculture in the state (Co-operative Bank)		31	895			1	8541		
	Reason for less achievement against the	e target		S	uggestions	to over	come th	e shortage		
	-	<u> </u>		<u> </u>		-				
13	Electricity availability for irrigation pump	sets (nur	nber of hou	ırs per day	)			9		
Suggestio	n for improvement on more accuracy in ele	ctricity:								
14	Availability of farm machinery for timely s	sowing,	Easily	y available			Short	age		
	harvesting and other operations ( $$ )			$\checkmark$						
15	Availability of organic manure, farm-yard-	manure,	A	dequate			Shortage	2		
	vermi-compost, bio-fertilizer $()$			1						
			1							

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

Sl.No.	Indicators				Curre	ent sta	atus					
1	Average Rainfall (mm)		Actual					1	Normal	ι		
			210.33					3	302.67	/		
2	No. of districts received deficit rainfall	No. o	f districts with de	eficit ra	ainfall		Tot	tal num	ber of	f dist	ricts	
	in the state		23	23 34								
l <b>ote:</b> Exce 99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Rai	infall: +19% to -19%;	Deficie	nt Rain	fall: -2	0% to ·	-59%; Sc	anty Ra	iinfall	: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name				ual ar akh ha		1		eted area kh ha)	
		1	Kharif Jowar				2.95			7	7.19	
		2 Tur				1	12.09		-	1	2.47	
		3	Cotton			4	42.54			4	1.91	
		4	Soyabean			4	40.44		+	3	5.53	
		5				8.17				7.35		
ote: Top !	5 major crops considering Gross cropped area						-					
4	Incidence of major pests and diseases in principal crops sown $(\sqrt{)}$	Sl. No.	Crop Name	Sev	ere	Mode	erate	Lov	N	No	ot at all	
		1	Kharif Jowar							Not	t reported	
		2	Tur							Not	Reported	
		3	Cotton			Repo	orted					
		4	Soyabean			-				Not	t reported	
		5	Maize								t reported	
5	Farm output price of major crops	Sl. No.	Crop Name	Crop Name		Price ly	(Rs. p Au	per quir	ntal) Sep	ot .	Averag Price	
		1	Kharif Jowar		16	38	17	07	171	9	1688	
		2	Tur		35	25	35	21	342	5	3490	
		3	Cotton		514	44	44	85	481	5	4815	
		4	Soyabean		333	38	32	78	313	8	3251	
		5	Maize		13	18	13	90	141	0	1373	
	Note: Consider major producing market	1										
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name				Ade	quate		Sh	ortage	
		1	1 Kharif Jowar									
		2										
		3	Cotton					$\checkmark$				
		4	Soyabean					√				
		5	Maize									
Reas	on for shortage of seed in the local mark	(et	S	uggest	ions t	o ovei	rcome	e the s	hortag	<i>ze</i>		

### Quarterly Report on Indicators of Agriculture

7	Prevailing market price of seed (certified) of major crops	Sl.	Crop Name		Pri	ce (Rs. pe	er kg)	
		No.		Lc	ocal varie	ty	Hybrid variety	
		1	Kharif Jowar				82	
		2	Tur				135	
		3	Cotton				1905 (Bt cotton)	
	4		Soyabean				62	
		5	Maize				245	
Remarks:	-							
8	Chemical Fertilizer (NPK) availability in the local market $()$	Sl.No.	Fertilizers		Adequat	te	Shortage	
		1	Urea		$\checkmark$		-	
		2	DAP		$\checkmark$		-	
		3	SSP				-	
		4	Others		$\checkmark$		-	
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers			Price	(Rs. per kg)	
		1	Urea				6.0	
		2	DAP				22-25	
		3	SSP	SP			7-8	
		4	Others			21-25		
10	Availability of agricultural labour $()$		E	asily available		Shortage		
	Reason for shortage of agricultural labor	ur		Suggestions to	overcom	ne the she	ortage	
labour m the next cultivato	no timely availability of agriculture labor may be present one day but does not retur day. In order to ensure that the labor is proshave to provide them with meals and sta t cost to pick them up is also incurred some	ırn to wa s availabl ıy on farm	rk e,					
11	Prevailing wage rate for casual labour in		Male			Fe	male	
	agriculture (Rs./day)		250 - 30	0		145	- 220	
12	Availability of institutional credit for agriculture in the State		Target (Rs. in C	Crore)	Achi	ievement	(Rs. in Crore)	
	eason for less achievement against the ta		80000 58862 disbursed as crop l Suggestions to overcome the shortage				-	

July-September 2018

13	Electricity availability for irrigation pump sets (num	per of hours per	day)	9				
Suggesti	on for improvement on more accuracy in electricity: In	nprove transmiss	ion and prevent losses					
14	Availability of farm machinery for timely sowing, has other operations $(\sqrt{)}$	rvesting and	Easily available	Shortage				
				$\checkmark$				
	Reason for the shortage	Suggestions to overcome the shortage						
		Mechanizatior services as mo a position to i	om hiring of farm machir n must be encouraged by ost farms are marginal ar nvest in farm machinery nny other equipment, if r	promoting custom hiring nd small. They are not in and can hire the service				
15	Availability of organic manure, farm-yard-manure,	Ad	equate	Shortage				
	vermi-compost, bio-fertilizer ( $$ )							
	Reason for the shortage		Suggestions to overcome the shortage					
	-		-					

16	Remarks and observations	4 districts namely Solapur, Jalna, Latu and Beed received less than 50
		percent of Normal rainfall during July-September 2018. In July the state
		average rainfall was 85 percent of normal. Cotton crop was infested with
		pink boll worm. Farmers delay harvesting to get more pickings and this
		causes pest attacks in the subsequent year.

Source : Office of Commissionerate of Agriculture and discussion with concerned officials.



# Agricultural Development and Rural Transformation Centre INSTITUTE FOR SOCIAL AND ECONOMIC CHANGE

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