Quarterly Report on INDICATORS OF AGRICULTURE

January - March 2019

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



Agro-Economic Research Centre

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

Copyright © 2019

Disclaimer

ISEC and MoA & FW, Govt. of India, New Delhi does not make any warranty, either express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or any third party's use or the results of such use of any information, apparatus, product, or process disclosed of the information contained herein or represents that its use would not infringe privately owned rights. The views and opinions of the author expressed herein do not necessarily state or reflect those of the ISEC. While every effort has been made to ensure the correctness of data/information used in this report, neither the author nor ISEC nd MoA & FW, Govt. of India, New Delhi accept any legal liability for the accuracy or inferences drawn from the material contained therein or for any consequences arising from the use of this material.

Text from this report can be quoted provided the source is acknowledged.

Contact:

Dr. A.V. Manjunatha, Ph.D. in Agricultural Economics (Justus Liebig University, Germany)
Assistant Professor
Centre for Ecological Economics and Natural Resources (CEENR)

Institute for Social and Economic Change, Bengaluru - 560 072 Ph: +91-80-23397689 (O), +91 9448402848 (Mobile)

Email: manjunath@isec.ac.in; manjublore@gmail.com

ISEC is an ICSSR Research Institute, Government of India and the Grant-in-Aid Institute, Government of Karnataka

Design by: dataworx, Bengaluru (Mobile: 9480766666 / 9886004567; Website: www.dataworx.co.in)

Quarterly Report on INDICATORS OF AGRICULTURE

January - March 2019

Report for

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



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

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 Centers 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, January to March 2019.

A.V. Manjunatha
Assistant Professor

Table of Contents

Sl.No.	Particulars	Page No.
	Acknowledgement	ii
	List of Figures	iv
1	Average Rainfall	2
2	Percentage of Deficit Rainfall Districts	2
3	Area Covered Under Major Crops	3
4	Incidence of Major Pests and Diseases in Principal Crops Sown	6
5	Farm Output Prices of Major Crops	6
6	Seed Availability in the Local Market for Major Crops	6
7	Prevailing Market Price of Seeds of Major Crops	6
8	Chemical Fertilizer (NPK) Availability in the Local Market	6
9	Prevailing Market Prices of Fertilizers	7
10	Availability of Agricultural Labourers	7
11	Prevailing Wage Rate for Casual Labourers in Agriculture	9
12	Availability of Institutional Credit for Agriculture in the State	9
13	Electricity Availability for Irrigation Pump Sets	11
14	Availability of Farm Machinery for Timely Sowing, Harvesting and Other Operations	11
15	Availability of Organic Manure, Farm-Yard-Manure, Vermi-compost and Bio- fertilizers	12
	Filled in Questionnaires of AERCs for Different States	13-62

List of Figures

Figure No.	Title of the Figure	Page No.
1	State-wise distribution of actual and normal rainfall which have received rainfall in excess of the normal	2
2	State-wise distribution of actual and normal rainfall which have received rainfall less than normal	3
3	Deficit rainfall districts as per cent to total districts of state	4
4	Area covered under major crops in 1st quarter of last 8 years as per cent to targeted area	4
5	State-wise area covered under major crops as per cent to targeted area	5
6	Area covered under different crop categories (lakh hectares)	5
7	Prevailing market price of fertilizer (Rs. per kg.)	8
8	Prevailing wage rate for casual labourers in agriculture (Rs. per day)	9
9	Availability of Institutional Credit for Agriculture in the State	10

griculture plays a vital role in India's economy. Nearly 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 (GVA) for the year 2016-17 (at current prices). There has been a continuous decline of its share in the GVA from 18.6 percent in 2013-14 to 17.4 percent in 2016-17. This falling share is as expected in a fast growing and structurally changing economy. Agriculture and Allied sectors witnessed a growth of 5.6 per cent in 2013-14, -0.2 per cent in 2014-15, and 0.7 per cent in 2015-16 and 4.9 in 2016-17 at 2011-12 basic prices. The vicissitudes of growth in the agricultural and allied sector have implications for overall growth of GVA and in 2016-17 the percentage contribution to total GVA growth was much larger than 2015-16. Given the importance of agriculture sector, Government of India has initiated several steps for enhancing farmer's income through sustainable agricultural 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 foodgrain 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 foodgrain of 265.04 million tonnes (2013-14) and also higher

by 24.12 million tonnes than the foodgrain production in 2015-16. (Central Statistics Office, 2017-18).

National Institution for Transformation of India (NITI), Government of India entrusted Development Agricultural and Rural Transformation Centre (ADRTC), Institute for Social and Economic Change (ISEC), Bengaluru, to undertake a study on "Indicators of Agriculture". This report is compiled from data furnished by Agro-Economic Research Centers (AERCs) located across India. The most of the data on agricultural indicators pertains to the period, January to March 2019. The basic data regarding agricultural indicators received from twenty-three States, namely Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Madhva Pradesh. Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Punjab, Rajasthan, Tamil Nadu, Tripura, Uttarakhand, Uttar Pradesh and West Bengal. Fifteen agriculture related indicators were covered for the study which is as under:

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

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

1. Average Rainfall

The overall rainfall status for 1st quarter of 2019 for 23 states indicated that five states have received rainfall in excess of their normal rainfall and the remaining 18 states received rainfall lower than normal rainfall. The excess rainfall was reported mainly in Maharashtra, Uttarakhand, West Bengal, Punjab and Bihar. All these states have received lesser rainfall than the normal during the corresponding quarter of the previous year. Interestingly, Gujarat has not received any rainfall in this quarter. Among the states that have received lower rainfall, Tamil Nadu, Rajasthan, Himachal Pradesh, Andhra Pradesh and Karnataka

had recorded lesser rainfall than the normal to the tune of 75 per cent, 71 per cent, 48 per cent, 46 per cent and 44 per cent respectively. Karnataka had received excess rainfall than the normal during the corresponding quarter of the previous year. All the North-Eastern states of the country had rainfall lesser than the normal. The southern states like, Andhra Pradesh, Karnataka and Tamil Nadu have received rainfall lesser than the normal.

The comparative 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, Maharashtra had recorded excess rainfall than the normal to the tune of 101.59 per cent followed by Uttarakhand (72 per cent), West Bengal (56 per cent), Punjab (46 per cent) and Bihar (13 per cent).

2.Percentage of Deficit Rainfall Districts

The rainfall data received for 23 states covering 558 districts. Around 43 per cent of these districts have not received sufficient rainfall,

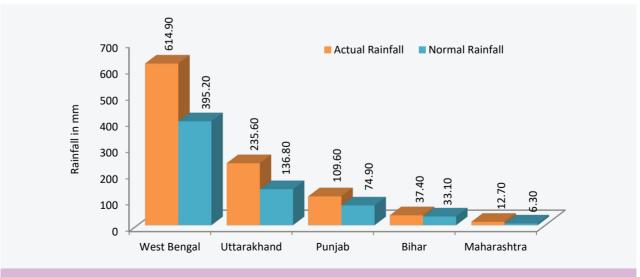


Figure 1: State-wise distribution of actual and normal rainfall which have received rainfall in excess of the normal



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

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 2018, which reported 58 per cent of the districts as deficit. Around 97 per cent of districts in Maharashtra, 92 per cent in Uttarakhand, 81 per cent in Assam, 75 per cent each in Arunachal Pradesh, Mizoram and Tripura, 73 per cent in Nagaland and 71 per cent in Meghalaya had received deficit rainfall. Above 50 per cent of the districts in Haryana, Himachal Pradesh, Manipur, Tamil Nadu and Andhra Pradesh had received deficit rainfall. The deficit rainfall was observed in all the districts of twenty three states. Deficit rainfall was reported in 33 districts of Maharashtra, 26 districts of Uttar Pradesh, 22 districts of Assam and 18 districts of Tamil Nadu. The deficit rainfall was observed in the several districts of Maharashtra, Uttarakhand, West Bengal, Punjab and Bihar despite the states have received excess rainfall than the normal. Above 25 per cent of districts of Karnataka, Jharkhand, Uttar Pradesh and Bihar had received deficit rainfall. Maharashtra, Uttarakhand and Assam 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, 56 million hectares was the actual area covered out of the targeted area of 66 million hectares. Thus, the achievement was 85 per cent of the targeted area covered by major crops. The per cent achievement as against the target has decreased from corresponding quarter of previous 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 the states Uttar Pradesh, Punjab, Uttarakhand, Himachal Pradesh and Haryana have exceeded the targeted area. Tamil Nadu, West

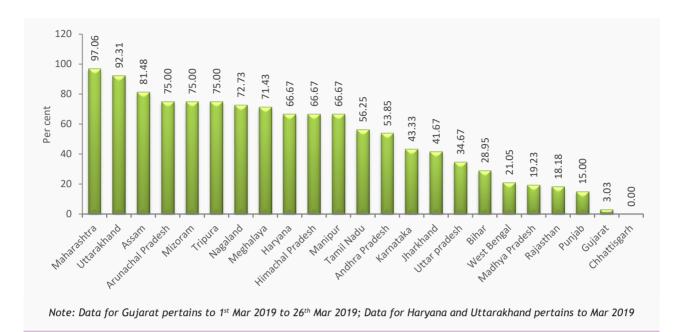


Figure 3: Deficit rainfall districts as per cent to total districts of state

Bengal and Manipur have crossed 90 per cent of the targeted area. The states like Andhra Pradesh, Bihar, Chhattisgarh, Arunachal Pradesh, Rajasthan, Assam, Madhya Pradesh, Tripura 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 70 per cent of the total area. Area under wheat was the highest not only under cereals but among all crops. It accounted for 65 per cent of area under cereals and 45 per cent of total area under major crops. Paddy was another cereal crop which covered 26 per cent of area under cereals and 18 per cent of total area under major crops.

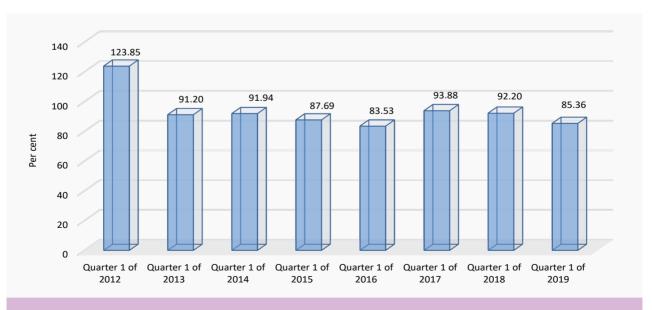


Figure 4: Area covered under major crops in 1st quarter of last 8 years as per cent to targeted area

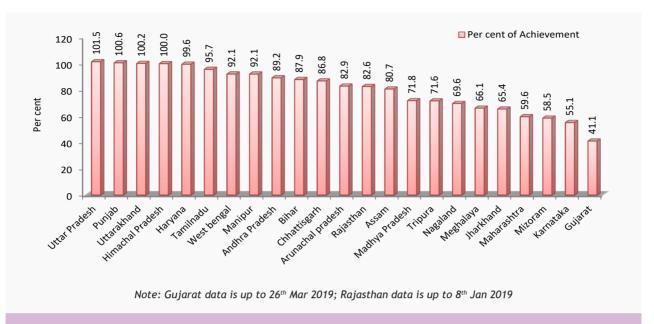
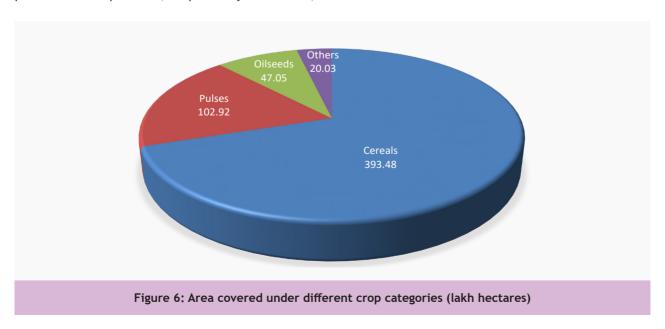


Figure 5: State-wise Area covered under Major Crops as per cent to Targeted Area

Maize was another cereal crop which claimed only 4 per cent of area under cereals and 3 per cent of total area under major crops.

Among the pulses, area under Gram was the highest which accounts for 81 per cent of area under pulses and 15 per cent of total area under major crops. The share of pulses and oil seeds in the total area covered under major crops was 18 per cent and 8 per cent, respectively. Red Gram,

Bengal Gram, Lentil, Cowpea, Chickpea, Green Gram and Black Gram were the main pulse crops. Main oilseed crops were Groundnut, Sunflower and Mustard. Other crop categories include vegetables and cash crops (sugarcane, jute, tobacco and cotton). These crops accounted for 4 per cent of the total area covered. The area covered under cereals, pulses, oilseeds and other crops is given in Figure 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, Manipur, Meghalaya, Mizoram, Nagaland and Tripura. The incidence of pests and diseases was relatively lower in Andhra Pradesh, Gujarat, Haryana, Himachal Pradesh, Madhya Pradesh, Punjab, Tamil Nadu, Uttarakhand, Uttar Pradesh and West Bengal. Interestingly, no attack of pests and diseases was reported in Bihar, Chhattisgarh, Jharkhand, Karnataka, Maharashtra and Rajasthan 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 Bihar (Rs.2867/qtl) and lowest in Manipur (Rs.1437/qtl). The price of Wheat varied between Rs.1757/qtl in Haryana and Rs.2080/qtl in Gujarat. The price of Maize varied between Rs.917/qtl in Jharkhand and Rs.1849/qtl in Karnataka. The price of Gram varied between Rs.5767/qtl in Bihar and Rs.3715/qtl in Madhya Pradesh. It is for the obvious reason that 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 January 2019 to March 2019 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.29 in Tamil Nadu and Rs.44 in Assam. Price of hybrid variety paddy seeds per kilogram ranged between Rs.38 in West Bengal and Rs.120 in Nagaland. While the price of local variety wheat ranged between Rs.18 in Bihar and Rs.35.25 in Madhya Pradesh. The price of hybrid variety wheat ranged between Rs.20 in Bihar and Rs.35 in Jharkhand. The price of local variety maize ranged between Rs.12 in Bihar and Jharkhand and Rs.213.5 in Andhra Pradesh. The price of hybrid variety maize ranged between Rs.47.50 in Mizoram and Rs.350 in Bihar and Jharkhand.

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

Supply of chemical fertilizers (Urea, DAP and SSP) was adequate in all the states which encompasses 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 all twenty three States because of the mandatory policy of supply of neem coated urea to the farmers by the Central Government.

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

Chahaa	Paddy		Ma	ize	Wheat	
States	Local Variety	Hybrid Variety	Local Variety	Hybrid Variety	Local Variety	Hybrid Variety
Andhra Pradesh	28-32.80	-	77-350	-	-	-
Arunachal Pradesh	36-50	60-140	22-40	48-60	-	-
Assam	38-50	70-150	-	-	-	-
Bihar	-	-	12	350	18	20
Chhattisgarh	-	-	22	175	30	
Haryana	-	-	-	-	28-30	
Himachal Pradesh	-	-	-	-	30	-
Jharkhand	-	-	12	350	20	35
Karnataka	32.75	82.5	30	183	-	-
Madhya Pradesh	-	-	-	-	33-37.50	-
Maharashtra	-	-	20	50	-	-
Manipur	34-45	80-140	20-40	44-55	-	-
Meghalaya	30-40	60-140	20-38	50-58	-	-
Mizoram	28-40	50-130	19-35	40-55	-	-
Nagaland	30-50	80-160	22-38	45-53	-	-
Punjab	-	37.50-50	-	180-225	-	-
Rajasthan	-	-	-	-	30-35	-
Tamil Nadu	28-30	55	160	240	-	-
Tripura	34-50	70-150	24-38	40-60	-	-
Uttar Pradesh	-	-	-	-	33-35	-
Uttarakhand	-	-	-	-	28-30	-
West Bengal	-	38	-	-	-	28

9. Prevailing Market Prices of Fertilizers

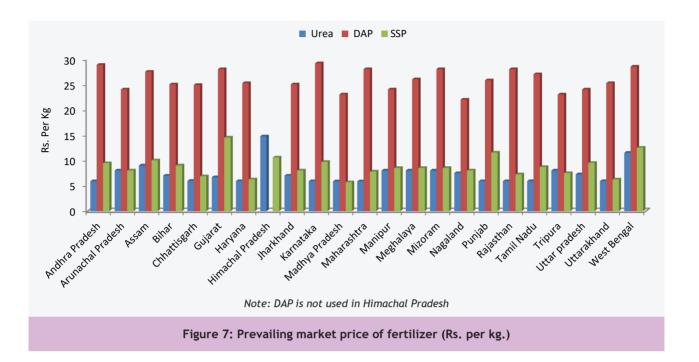
Prevailing market price of fertilizers are given in Figure 7. The prices of fertilizers are relatively higher in Himachal Pradesh (Urea - Rs.14.75/kg), Karnataka (DAP - Rs.29.15/kg) and Gujarat (SSP - Rs.14.50/kg) as compared to remaining states for respective fertilizers. The prices of Urea (Nitrogenous fertilizer) ranged from Rs.5.88/kg in Madhya Pradesh and Maharashtra to Rs.14.75/kg in Himachal Pradesh. Similarly, prices of DAP varied between Rs.22.00/kg in Nagaland and Rs.29.15/kg in Karnataka. The prices of SSP varied between Rs.5.70/kg in Madhya Pradesh and Rs.14.50/kg in Gujarat.

10. Availability of Agricultural Labour

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

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

 Migration of labour from agriculture sector to other economic activities.



- Labour shortage in harvesting season was mainly due to their employment in MGNREGA, TDPS and IAY. 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.
- 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 from agriculture sector to urban and metro cities of India for better livelihood is a pertinent issue.
- 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.

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

- · Agricultural wage rates may be enhanced.
- 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.
- Awareness drive about the ill effects of indigenous liquor and ensuring payment of minimum wages.
- 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.
- Scaling up of MGNREGA in farm and non-farm activities.

- Providing more technically efficient extension services, programmes and trainings to the farmers.
- Improving agro-infrastructure such as more efficient irrigation facilities, online marketing system and ease in availability of institutional credit.

11. Prevailing Wage Rate for Casual Labour in Agriculture

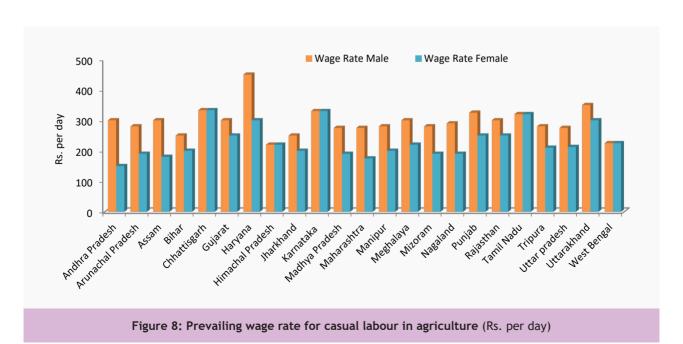
Prevailing wage rate for casual labour in agriculture is presented in **Figure 8**. It is noticed from the figure that male and female labour had received same wage rates in Chhattisgarh, Himachal Pradesh, Karnataka, Tamil Nadu and West Bengal. In the remaining States, the wage rates of males were relatively higher than the females. Overall, there was variation in wage rates among most of the States. For instance, the wage rate was Rs.333/day in Chhattisgarh, Rs.330.25/day in Karnataka, Rs.320/day in Tamil Nadu, Rs.220/day in Himachal Pradesh and Rs.225/day in West Bengal for both male and female, respectively. The highest wage rate was Rs.450/day for male in Haryana and Rs.333/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 Tamil Nadu achieved 103 per cent of the target flow of institutional credit to agriculture. The achievement was 89 per cent, 86 per cent, 85 per cent, 76 per cent and 71 per cent of the target in Andhra Pradesh, Chhattisgarh, Tripura, Uttar Pradesh and Punjab respectively. The remaining States like Maharashtra, Bihar, Himachal Pradesh, Rajasthan, West Bengal, Karnataka, Meghalaya, Jharkhand, Mizoram, Assam and Madhya Pradesh achieved less than 70 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:

 Financial institutions are reluctant to disburse credit due to low repayment and mishandling of the loan.



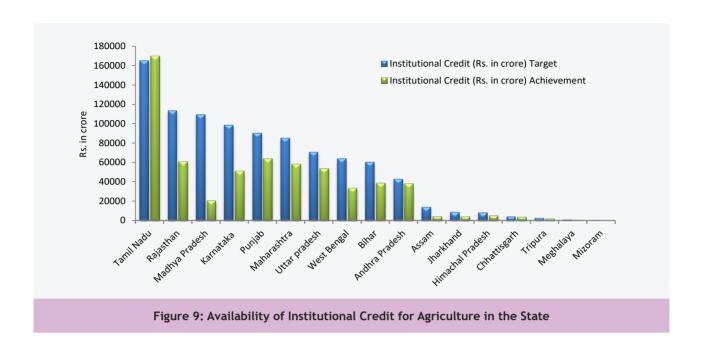


Table 2: Availability of Institutional Credit for Agriculture in the State (Rs. in crore)

Sl. No.	State	Target	Achievement	Per cent
1	Tamil Nadu [®]	164965.51	169708.73	102.88
2	Andhra Pradesh	42532.00	37868.00	89.03
3	Chhattisgarh	4200.00	3629.33	86.41
4	Tripura	2338.77	2003.20	85.65
5	Uttar Pradesh®®	70598.36	53619.18	75.95
6	Punjab***	90375.81	63883.11	70.69
7	Maharashtra	85000.00	58319.00	68.61
8	Bihar	60000.00	38500.00	64.17
9	Himachal Pradesh*	7989.30	4959.52	62.08
10	Rajasthan	113461.00	60649.00	53.45
11	West Bengal ^{@@@}	64071.00	33566.00	52.39
12	Karnataka **	98655.00	50755.00	51.45
13	Meghalaya	851.00	417.01	49.00
14	Jharkhand	8336.60	4085.00	49.00
15	Mizoram	326.00	120.30	36.90
16	Assam	13867.71	4143.90	29.88
17	Madhya Pradesh	109264.00	20644.00	18.89

Note: * Data pertains to December 2018 (151th SLBC meeting of Shimla) published by UCO bank, Himachal Pradesh

^{**} Data pertains up to December 2018 (144th meeting), SLBCKarnataka.com

^{***} Data pertains to 31st December 2018, Punjab

[@] Data pertains up to December 2018 (157th Meeting of SLBC), Chennai, Tamil Nadu

^{@@} Data pertains up to February 2019, Uttar Pradesh

^{@@@} Data pertains up to December 2018, West Bengal

- Selection procedure of beneficiaries was not followed as per the guidelines fully.
- Reluctance at both ends i.e., farmers and financial institutions.
- Financial institution has the tendency to allow credit to the larger land holding groups.
- The lending procedure of financial institution is not farmers' friendly.

Some suggestions to overcome the less achievement are as follows:

- Awareness camp should be conducted among the farmers about guidelines and benefits of agricultural credit system.
- 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.
- Improve the credit flow to the needy farmers especially to marginal and small farmers.
- Awareness among the farmers and constant monitoring of financial institutions in regard to disbursement of credit.
- 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, Himachal Pradesh and Tamil Nadu, 20 hrs in Uttarakhand, 18 to 20 hrs in Uttar Pradesh, 14 to 15 hrs in Bihar, 10 to 12 hrs in Jharkhand, 9 hrs in Andhra Pradesh, 8 hrs in Gujarat, Haryana, Maharashtra and Madhya Pradesh, 6 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. Bihar and Jharkhand suggested for improvement on more accuracy in electricity by installation of separate agriculture feeder in some selected districts. Tamil Nadu suggested improving and enhancing the technical irrigation system like drip and sprinkler irrigation for promoting efficiency.

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, Maharashtra, Punjab, Rajasthan, Tamil Nadu and Uttar Pradesh for timely sowing, harvesting and other operations, whereas it is shortage in Assam, Arunachal Pradesh, Bihar, Jharkhand, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, Uttarakhand and West Bengal.

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

- Supply of farm machinery to the farmers at subsidized rate under the different Government programme/ scheme often stand as cause of low stock in the market.
- Marginal and small 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 machineries.
- Availability is less at different stages of crop cycle specifically land preparation and harvesting.
- · Absence of farm machinery custom hiring.

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.
- The use of farm machinery is possible for large areas under operation only, for which the concept of co-operative/collective farming, contract farming needs to be encouraged in a large scale for the benefit of marginal and small farmers
- Establishment of servicing centres for farm machinery.
- Establishment of farm machinery banks is required at block/tehsil.
- Steps should be taken to increase supply of farm machineries to the farmers at affordable rates.
- Handholding support by a business professional is required for at least five years for sustenance of custom hiring centers.

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, Gujarat, Haryana, Jharkhand, Karnataka, Rajasthan, Tamil Nadu, Uttarakhand, Uttar Pradesh and West Bengal, whereas it is shortage in Assam, Arunachal Pradesh, Chhattisgarh, Himachal Pradesh, Madhya Pradesh, Maharashtra, 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:

 Excess demand and low production of organic manure, farmyard manure, vermi-compost and bio-fertilizers leads to shortage.

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

- Government can adopt new policy measures to 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.
- To adopt supportive policy to ensure availability of organics & bio-fertilizer.
- Developing marketing facility and encouraging private enterprises.

Filled-in Questionnaires of AERCs for different States

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

Name of AERC: Deini State: Haryana Quarter Covered: Jan - Mar 2015	Name of AERC: Delhi	State: Haryana	Quarter Covered: Jan - Mar 2019
--------------------------------------------------------------------	---------------------	----------------	---------------------------------

SI.No.	Indicators	Current status			
1	Average Rainfall (mm)	Actual	Normal		
		40.1	45.5		
Source: Indian Meteorological Department (IMD) Note: The Actual and Normal rainfall is accumulated rainfall from .01st Oct 2018 to 31st Dec. 2018					

2 Number of distri		No of districts with deficit rainfall	Total number of districts
rainfall in the St	ate	14	21

Note: 1. Excess Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficient Rainfall: -20% to -59%; Scanty Rainfall: -60% to -99%; No Rain -100% 2. No. of districts indicating deficient or large deficient rainfall for March 2019.

Source: Indian Meteorological Department (IMD)

3	Area covered under major crops	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area (lakh ha)
		1	Wheat	25.12	25.23
		2	Gram	0.50	NA
		3	Mustard	5.51	NA

Source: Directorate of Economics and Statistics (State Government of Haryana), Department of Agricultural Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare.

Note: Status as on 15-02-2019 (mentioned in data source). Data collected from data source on 04 April 2019.

	4		Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		major crops $()$	1	Wheat			V	
			2	Gram			√	
			3	Mustard			√	
Source: Various markets								

5	Farm output price of major crops	Sl.No.	Sl.No. Crop Name	Price (Rs. per quintal)			Average
			St.No. Crop Name	January	February	March	Price
		1	Wheat	1850.00	-	1663.07	1756.54
		2	Gram	4030.02	-	3939.21	3984.62
		3	Mustard	3458.33	3613.06	3655.36	3575.58

 $Note: Consider \ major \ Producing \ market. \ Note: The \ prices \ reported \ are \ state-wise \ wholesale \ prices \ as \ indicative \ of \ farm \ output \ prices. \\ Source: \ agmarknet.gov.in$

6	Seed availability in the local market for	Sl. No.	Crop Name	Adequate	Shortage
	major crops $()$	1	Wheat	√	
		2	Gram	√	
		3	Mustard	√	
	Reason for shortage of seed in the local market	Suggestion	ns to overcome the shor	tage	
Source: Va	rious markets				

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

8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Adeo	quate	Shortage		
	the local market $()$	1	Urea		√	-		
		2	DAP		V	-		
		3	SSP		V	-		
		4	Others (NPK)		V	-		
Reasor	n for shortage of chemical fertilizer in the loca	l market	2	Suggestions to	overcome t	he shortage		
	-				-			
ource: Va	rious Markets							
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		1	Price (Rs. per kg)		
		1	Urea			5.92		
		2	DAP		22.50 - 28.00			
		3	SSP			5.25 - 7.25		
		4	Others (NPK)			-		
ource: inp	outs from various markets. Note: price of agricult	ure-grade	urea. DAP and SSP pri	ce vary by firm				
10	Availability of agricultural labour $()$	Ea	sily available		ortage			
			√					
	Reason for shortage of agricultural labour		2	Suggestions to	overcome t	he shortage		
ource: Va	rious Markets							
11	Prevailing wage rate for casual labour in		Male			Female		
	agriculture (Rs./day)		450			300		
Source: Ag	ricultural Situation in India			I .				
12	Availability of institutional credit for	Targe	et (Rs. in Crore)	Δ	chievemen	nt (Rs. in Crore)		
12	agriculture in the State	Tars	-		eme vemen	-		
	Reason for less achievement against the targe	t	9	L Suggestions to	overcome the shortage			
					-			
13	Electricity availability for irrigation pump	sets (nur	mber of hours per o	lav)		8		
Suggestion	for improvement on more accuracy in electricity							
	strict Nodal Officers, Deputy Director Agriculture		yana					
14	Availability of farm machinery for timely	rowing b	arvecting	Easily availa	blo	Chartaga		
14	and other operations ($$)	sowing, n	ai vestilig	Easily availa	ble	Shortage		
	Reason for the shortage			Suggestions to overcome the shortage				
	reason for the shortage			מוצצבינוטווי נט		ne snortuge		
Source: Va	rious Markets				-			
15	Availability of organic manure form					CI		
15	Availability of organic manure, farm- yard-manure, vermi-compost, bio-		Adequate			Shortage		
	fertilizer (√)		√					
	Reason for the shortage	-	2	Suggestions to	overcome t	he shortage		
	-				-			
Source: Va	rious markets							
16	Remarks and observations			_				

NA implies Not Available

Remarks:

Source: Various Markets

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

	Agro-Economics Research Cent		croicy of Del	, Deni	. 110					
Name of	f AERC: Delhi	State: Utt	arakhand		Qu	ıarter Cov	ered:	Jan -	Mar 2019	
Sl.No.	Indicators			Cu	rrent s	status				
1	Average Rainfall (mm)		Actual				No	rmal		
			235.6				13	36.8		
ource: Inc	dian Meteorological Department (IMD), Note: T	he Actual ar	nd Normal rainfall	is accumula	ted rain	fall from 01s	t Jan 20	019 to	31st Mar, 201	
2	Number of districts received deficit	No o	of districts with	deficit rair	ıfall	Total	l numb	er of	districts	
	rainfall in the State		12					13		
	ccess Rainfall: +20% or more than Actual Rainfo 9%; No Rain -100%. 2. No. of districts indicating		,		,		, .	ge defi	cient Rainfall	
3	Area covered under major crops (Rabi season)	Sl. No.	Crop Name	me		ctual area (lakh ha)			geted area lakh ha)	
		1	Wheat			3.45			3.40	
		2	Gram	Gram		0.010			NA	
		3	Mustard			0.175			NA	
		4	Lentil			0.150			NA	
	rectorate of Economics and Statistics (State Go Agriculture & Farmers Welfare. Note: Status of									
4	Incidence of major pests and diseases major crops $()$	in Sl. No.	Crop Name	Sev	ere	Moderate	Lo	w	Not at all	
		1	Wheat							
		2	Gram				√			
		3	Mustard				V	1		
		4	Lentil				V	1		
ource: Va	rious Markets									
5	Farm output price of major crops	Sl.	Con None	Cron Name		Price (Rs. per quintal)			Average	
		No.	Crop Name	January		February Ma		ch	Price	
		1	Wheat	1968.48	3 1	1994.67 197		.02	1978.06	
		2	Gram	4931.38	3 5	011.81	5145	.12	5029.44	
		3	Mustard	3369.12	2 3	374.05	3370	.35	3371.17	
		4	Lentil	5326.67	7 4	700.00	4893	.20	4973.29	
	idering the major markets. The prices reporte marknet.gov.in.	d are state-	wise wholesale pri	ces as indica	ative of	farm output	prices.			
6	Seed availability in the local market fo major crops (/)	r Sl. No.	Crop Name		Adequate			Shortage		
		1	Wheat		√					
		2	Gram		\checkmark					
		3	Mustard							
	Reason for shortage of seed in the local ma	ket		Suggest	ions to	overcome th	e short	age		
	-					-				
ource: Va	rious Markets									
7	Prevailing market price of seed (certified) of major crops	Sl. No.	Crop Name				rice (R	T .		
		1	Wheat			Local va 28-3		пу	brid variety	
		2				35-4			125-130	
			Gram						120-130	
		3	Mustard			38-4	·		-	

8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertiliz	zers	Adequ	ate	Shortage	
	the local market ($$)	1	Urea		$\sqrt{}$			
		2	DAP		√			
		3	SSP		-			
		4	Others		-			
Reas	son for shortage of chemical fertilizer in the lo	al market	t		Suggestio	ns to over	ome the shortage	
Source: Vo	arious Markets							
9	Prevailing market price of fertilizer	Sl. No.	Fertilize	ers			Price (Rs. per kg)	
		1	Urea				5.92	
		2	DAP				22.50 - 28.00	
		3	SSP				5.25 - 7.25	
		4	Others		NA			
Source: in	puts from various markets. Note: price of agricult	ure-grade	urea. DAP	and SSP _I	price vary by	firm		
10	Availability of agricultural labour $()$	E	asily avail	lable			Shortage	
							-	
	Reason for shortage of agricultural labour				Suggestion	s to overco	me the shortage	
Source: Au	uthentic information not available							
11	Prevailing wage rate for casual labour in		M	ale			Female	
	agriculture (Rs./day)			50			300	
Source: A	gricultural Situation in India							
12	Availability of institutional gradit for	Tara	ot (Ps. in	(roro)		Achieve	mont (Ps. in Croro)	
12	Availability of institutional credit for agriculture in the State	Targ	et (Rs. in Crore) Ac			Acmeve	ment (Rs. in Crore)	
	Reason for less achievement against the targe	 	-		Suggestion	s to overce	me the shortage	
	Reuson for less achievement against the targe				Suggestions	s to overco	me the shortage	
Source:						-		
Jource.								
13	Electricity availability for irrigation pump		mber of h	ours per	r day)		20	
	n for improvement on more accuracy in electric							
Source: Ag	griculture Development Officer (ADO), Vikas Nagar	Dehradun	, Uttarakh	and				
14	Availability of farm machinery for timely harvesting and other operations $()$	sowing,		Easily available			Shortage	
	Reason for the shortage			Suggestions to overcome the shortage				
	reason for the shortage				Suggestions	s to overco	me the shortage	
Source: W	- arious Markets					-		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer ($$)			Adequate			Shortage	
			√					
	Reason for the shortage			S	Suggestions t	o overcome	e the shortage	
<u> </u>	-					-		
Source: in	puts from various markets		· · · · · · · · · · · · · · · · · · ·					
16	Remarks and observations					NA		

NA implies Not Available

Agro-Economic Research Centre, Vallabh Vidyanagar, Gujarat

Name of AERC: Vallabh Vidyanagar State: Gujarat Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators	Current status								
1	Average Rainfall (mm)	Actual	Normal							
	(01.03.2019 to 26.03.2019)	0.0	1.2							
Source: htt	Source: http://dag.gujarat.gov.in									

	2	2 Number of districts received deficit		th deficit rainfall	Total number of districts
		rainfall in the State (01.03.2019 to 26.03.2019)	Deficit rainfall	No Rainfall	Total number of districts
		20.03.2017)	1	32	33
Ī					

 $Note: Excess\ Rainfall:\ +20\%\ or\ more\ than\ Actual\ Rainfall;\ Normal\ Rainfall:\ +19\%\ to\ -19\%;\ Deficient\ Rainfall:\ -20\%\ to\ -59\%;\ Scanty\ Rainfall:\ -60\%\ to\ -19\%;\ Deficient\ Rainfall:\ -19\%\ to\ -19\%$ to\ -19\% -99%; No Rain -100%; Source: http://dag.gujarat.gov.in

3	Area covered under major crops (as on 26.03.2019)	Sl. No.	Crop Name	Actual area (lakh ha)	Targeted area* (lakh ha)
		1	Summer Bajra	0.88	2.50
		2	Moong	0.12	0.32
		3	Summer Groundnut	0.17	0.60
		4	Vegetables	0.43	0.87
		5	Fodder	1.13	2.36

Note: 1) Top 5 major crops considering Gross cropped area

2) * Because of unavailability of targeted area figures, the last three years average area has been taken as the proxy for the Target. Source: http://dag.gujarat.gov.in

4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all
		1	Summer Bajra	-	-	√	-
		2	Moong	-	√	-	-
		3	Summer Groundnut	-	-	√	-
		4	Vegetables	-	-	√	-
		5	Fodder	-	-	-	√
Source: Fie	ld surveys, Cost of Cultivation Scheme, Gujarat						

5	Farm output price of major crops	Sl.	Crop Name	Price	Average		
		No.	Crop Name	January	February	March	Price
		1	Wheat (Dahod)	2203.13	2121.7	2014.04	2079.90
		2	Gram (Dahod)	4207.79	4085.83	4028.41	4064.46
		3	Mustard (Lakhani)	3575.00	3575.00	3345.10	3359.64
		4	Cumin (Unjha)	16190.18	16370.44	15684.25	15915.47
		5	Potato (Ahmedabad)	801.84	887.91	887.91	858.68

Note: Considering the major producing markets; Source: http://agmarknet.gov.in

Mo. Crop Name Adequate Shortage	6	Seed availability in the local market for	Sl.							
A contact of the local market Summer Groundnut A contact of the local market Suggestions to overcome the shortage	U			Crop Name		Ade	quate	Shortage		
Summer Groundnut V Vegetables Vegeta			1	Summer Bajra						
Reason for shortage of seed in the local market Suggestions to overcome the shortage			2	Moong						
Reason for shortage of seed in the local market Suggestions to overcome the shortage 7 Prevailing market price of seed (certified) of major crops 8 Chemical Fertilizer (NPK) availability in the local market (n) 8 Chemical Fertilizer (NPK) availability in the local market (n) Reason for shortage of chemical fertilizer in the local market 8 Price (Rs. per kg) 1 Summer Bajra 60-80 140-300 2 Moong 50-80 120-150 3 Summer Groundnut 40-50 80-110 4 Vegetables NA NA NA 5 Fodder 30-70 300-400 8 Chemical Fertilizer (NPK) availability in the local market (n) 1 Urea					dnut					
Reason for shortage of seed in the local market Suggestions to overcome the shortage		_								
Source: Field surveys, Cost of Cultivation Scheme, Gujarat 7 Prevailing market price of seed (certified) of major crops St. No. Crop Name St. No. Crop Name 1 Summer Bajra 60-80 140-300 2 Moong 50-80 120-150 3 Summer Groundnut 40-50 80-110 4 Vegetables NA NA 15 Fodder 30-70 300-400 Remarks: Source: Field surveys, Cost of Cultivation Scheme, Gujarat 8 Chemical Fertilizer (NPK) availability in the local market (√) 1 Urea Reason for shortage of chemical fertilizer in the local market Source: Field surveys, Cost of Cultivation Scheme, Gujarat 9 Prevailing market price of fertilizer St. No. Fertilizers St. Suggestions to overcome the shortage Suggestions to overcome the shortage Price (Rs. per kg) 1 Urea 6.67			5	Fodder		· I				
Prevailing market price of seed (certified of major crops S.L. Crop Name S.L. Local variety Hybrid variety / Improved variety 1 Summer Bajra 60-80 140-300 120-150 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 140-300 1	R	leason for shortage of seed in the local market			Sugg	estions to o	vercome the	shortage		
Prevailing market price of seed (certified of major crops St. No. Crop Name Price (Rs. per kg)	Course Fie	- Id surviving Cost of Cultivation Schomo Cuisant					-			
of major crops St. No. Crop Name Local variety Hybrid variety / Improved variety	Source: Fie									
No. Local variety Improved variety Inproved variety Improved variety Inproved variety Improved variety Inproved variety Improved	7		Sl.	Cara Nama	-		Price (R	1		
2 Moong 50-80 120-150		or major crops		Crop Name		Local variety		Hybrid variety / Improved variety		
3 Summer Groundnut 40-50 80-110			1	Summer Bajra	a	60	-80	140-300		
A Vegetables NA NA NA			2	Moong		50	-80	120-150		
Remarks: Source: Field surveys, Cost of Cultivation Scheme, Gujarat 8			3	Summer Grou	ndnut	40	-50	80-110		
Remarks: Source: Field surveys, Cost of Cultivation Scheme, Gujarat 8			4	Vegetables		NA		NA		
Source: Field surveys, Cost of Cultivation Scheme, Gujarat 8			5	Fodder		30	-70	300-400		
8 Chemical Fertilizer (NPK) availability in the local market (√) Sl. No. Fertilizers Adequate Shortage	Remarks:									
the local market ($$) No. Fertilizers Adequate Snortage 1 Urea $$ 2 DAP $$ 3 SSP $$ 4 Others $$ Reason for shortage of chemical fertilizer in the local market Suggestions to overcome the shortage Source: Field surveys, Cost of Cultivation Scheme, Gujarat 9 Prevailing market price of fertilizer SI. No. Fertilizers Price (Rs. per kg) 1 Urea 6.67	Source: Fie	ld surveys, Cost of Cultivation Scheme, Gujarat								
2 DAP	8			Fertilizers		Adequate		Shortage		
3 SSP √ 4 Others √ Reason for shortage of chemical fertilizer in the local market Suggestions to overcome the shortage			1	Urea		√				
Reason for shortage of chemical fertilizer in the local market Suggestions to overcome the shortage			2	DAP	$\sqrt{}$					
Reason for shortage of chemical fertilizer in the local market Suggestions to overcome the shortage				SSP	√					
Source: Field surveys, Cost of Cultivation Scheme, Gujarat 9 Prevailing market price of fertilizer Sl. No. Fertilizers No. 1 Urea 6.67				Others		√				
9 Prevailing market price of fertilizer Sl. No. Fertilizers Price (Rs. per kg) 1 Urea 6.67	Reason	for shortage of chemical fertilizer in the local	⊥ market		Sugg	gestions to o	overcome the shortage			
9 Prevailing market price of fertilizer Sl. No. Fertilizers Price (Rs. per kg) 1 Urea 6.67		-					-			
No. Pertuizers Price (RS. per kg)	Source: Fie	ld surveys, Cost of Cultivation Scheme, Gujarat								
	9	Prevailing market price of fertilizer		Fertilizers			ice (Rs. per kg)			
2 DAP 28.00			1	Urea				6.67		
			2	DAP				28.00		
3 SSP 14.50			3	SSP				14.50		
4 Others -			4	Others				-		
Source: Field surveys, Cost of Cultivation Scheme, Gujarat	Source: Fie	eld surveys, Cost of Cultivation Scheme, Gujarat		1						
10 Availability of agricultural labour ($$) Easily available Shortage	10	Availability of agricultural labour (√)		Easily a	vailable			Shortage		
\ \frac{1}{\sqrt{1}}										
Reason for shortage of agricultural labour Suggestions to overcome the shortage		Reason for shortage of agricultural labour			Sug	gestions to	overcome the	shortage		
No agricultural labors available for farming work during pick season because the laborers prefer to work more in the industrial area than agriculture since agriculture is found less remunerative. Agricultural wage rates may be enhanced. Mechanization in agriculture may be promoted.	because th	e laborers prefer to work more in the industria			_	ates may be	enhanced. Me	echanization in agriculture		
	agi ichitture									

11	Prevailing wage rate for casual labour in		Male		Female		
	agriculture (Rs./day)		250 - 350		20	00 - 300	
Source: F	rield surveys, Cost of Cultivation Scheme, Gujarat						
12	Availability of institutional credit for	Tar	get (Rs. in Crore	e)	Achievem	nent (Rs. in Crore)	
	agriculture in the State (Qtr ended December 2017)		NA			NA	
	Reason for less achievement against the targe	t		Suggestions t	o overcome the	shortage	
	-				-		
13	Electricity availability for irrigation pumps	sets (numbe	r of hours per d	ay)		8	
Suggestic	on for improvement on more accuracy in electrici	ty: NA		,			
Source: F	rield surveys, Cost of Cultivation Scheme, Gujarat						
14	Availability of farm machinery for timely sowing, harvest other operations ($$)			vesting and Easily available Sh			
	Reasons for the shortage		S	uggestions to	o overcome the	shortage	
Source: F	Field surveys, Cost of Cultivation Scheme, Gujarat						
15	Availability of organic manure, farm-yard-n	nanure,	Adequate			Shortage	
	vermi-compost, bio-fertilizer ($$)		√ √				
	Reasons for the shortage		S	uggestions to	overcome the	shortage	
Source: F	Field surveys, Cost of Cultivation Scheme, Gujarat						
ource. I	Remarks and observations						
16							

Agro-Economic Research Centre, Vallabh Vidyanagar, Rajasthan

Indicators Average Rainfall (mm)						Quarter Covered: Jan - Mar 2019					
Average Rainfall (mm)			Current status								
			Actual			1	Normal				
Period:01-03-2019 To 03-04-2019*			1.2				4.1				
nfall for January and February was not availal lia Meteorological Department, Hydromet Divi		w Del	hi, http://hydro.imd.	gov.in							
No. of districts received deficit rainfall	No. of	f dist	ricts with deficit ra	infall		Total nun	nber of dist	ricts			
III tile state							33				
nin -100%					ıll: -20)% to -59%; Sc	anty Rainfal	:: -60% to			
Area covered under major crops (As on 08/01/2019)	Sl. No.	Cro	pp Name				_	ed area h ha)			
1 Wheat 2 Barley			23	.96	3:	2.0					
		Bar	ley		2.	.79	0	3.0			
	3	Rap	oeseed & Mustard		14.53		15.0				
	4	Gra	am	22.79		26.0					
	5	Tar	amira		0.	.35	2.0				
5 major crops considering Gross cropped area; mmissionerate of Agriculture, Rajasthan -Jaipur											
Incidence of major pests and diseases in principal crops sown $(\ensuremath{})$	Sl. No.	Cro	p Name	Seve	re	Moderate	Low	Not at			
	1	Wh	eat					√			
	2	+	-					√			
	3	Rap	peseed & Mustard					√			
		Gra	am					√			
	5	Tar	amira					√			
mmissionarate of Agriculture, Rajasthan -Jaipur											
Farm output price of major crops	Sl. Cara Nama		Price(Rs. per qu		ntal)	Averag					
	No.	Crc	р наше	January		February	March	Price			
	1	Who	eat (Ganganagar)	1969.81		2068.01	1952.62	1982.0			
	2	Bar	ley (Jaipur)	1665 1928		1928.8	1539.65	1540.7			
	3	R &	: M (Bharatpur)	3633.57 3640.95		3640.95	3388.47	3474.7			
	4	Gra	ım (Bikaner)	4000.15 3960.71 3582.17 3626.11		3960.71	3859.67	3921.4			
	5	Tara	amira(Jaipur)			3506.8	3513.4				
ider major Producing market ; Source : http://agr	narknet.	gov.in	1								
Seed availability in the local market for					Adequate		Sh	ortage			
major crops $()$			Wheat			√		3			
	2		Barley			√					
	3			rd		√ ·					
	4		Gram								
			Taramira			√					
Reason for shortage of seed in the local marke				estions	to ov	ercome the s	hortage				
- · · · · · · · · · · · · · · · · · · ·						-					
	in the state s Rainfall: +20% or more than Actual Rainfall; No in -100% ia Meteorological Department, Hydromet Divisio Area covered under major crops (As on 08/01/2019) in major crops considering Gross cropped area; numissionerate of Agriculture, Rajasthan -Jaipur Incidence of major pests and diseases in principal crops sown (√) munissionarate of Agriculture, Rajasthan -Jaipur Farm output price of major crops der major Producing market; Source: http://agr Seed availability in the local market for major crops (√) Reason for shortage of seed in the local market -	in the state s Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: -100% ia Meteorological Department, Hydromet Division, New Division, New Division and Meteorological Department, Hydromet Division, New Division, New Division and Meteorological Department, Hydromet Division, New Division,	in the state 06 (08 s Rainfall: +20% or more than Actual Rainfall; Normal Rainfall: in -100% in Meteorological Department, Hydromet Division, New Delhi, Area covered under major crops (As on 08/01/2019) 1 Wh 2 Bar 3 Rainfall: -20% or more than Actual Rainfall; Normal Rainfall: in -100% in Meteorological Department, Hydromet Division, New Delhi, Area covered under major crops (As on 08/01/2019) 1 Wh 2 Bar 3 Rainfall: -20% or more than Actual Rainfall; Normal Rainfall: in -100% in Meteorological Department, Hydromet Division, New Delhi, 1 Wh 2 Bar 3 Rainfall: -20% or more than Actual Rainfall; Normal Rainfall: in -100% in Meteorological Department, Hydromet Division, New Delhi, 2 Bar 3 Rainfall: -20% or more than Actual Rainfall; Normal Rainfall: in -100% in Meteorological Department, Hydromet Division, New Delhi, 2 Bar 3 Rainfall: -20% or more than Actual Rainfall; Normal Rainfall: in -100% in Meteorological Department, Hydromet Division, New Delhi, 2 Bar 3 Rainfall: -20% or more than Actual Rainfall; Normal Rainfall: in -100% in Meteorological Parameters of St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rainfall: -20% or major crops St. No. 1 Wh 2 Bar 3 Rai	in the state 06 (Deficient Rainfall) 08 (Scanty Rainfall) 17 (No Rain) 18 (Scanty Rainfall) 17 (No Rain) 18 (Meatorological Department, Hydromet Division, New Delhi, http://hydro.imd.gov. Area covered under major crops (As on 08/01/2019) Area covered under major crops (As on 08/01/2019) SI. Crop Name 1 Wheat 2 Barley 3 Rapeseed & Mustard 4 Gram 5 Taramira Incidence of major pests and diseases in principal crops sown (v) 1 Wheat 2 Barley 3 Rapeseed & Mustard 4 Gram 5 Taramira Inmissionarate of Agriculture, Rajasthan -Jaipur Farm output price of major crops SI. Crop Name 1 Wheat 2 Barley 3 Rapeseed & Mustard 4 Gram 5 Taramira Inmissionarate of Agriculture, Rajasthan -Jaipur Farm output price of major crops SI. Crop Name 1 Wheat (Ganganagar) 2 Barley (Jaipur) 3 R & M (Bharatpur) 4 Gram (Bikaner) 5 Taramira(Jaipur) Incidence of major Producing market; Source: http://agmarknet.gov.in Seed availability in the local market for major crops (v) SI. No. Crop Name 1 Wheat 2 Barley 3 Rapeseed & Mustard 4 Gram 5 Taramira Reason for shortage of seed in the local market 5 Taramira 5 Taramira	in the state O6 (Deficient Rainfall) 08 (Scanty Rainfall) 17 (No Rain)	in the state O6 (Deficient Rainfall) 08 (Scanty Rainfall) 17 (No Rain)	The state of 6 (Deficient Rainfall) 08 (Scanty Rainfall) 17 (No Rain) 17 (No Rain) 18 (No Rainfall) 18 (Scanty Rainfall) 17 (No Rainfall) 18 (No Find Plant) 18 (No F	in the state O6 (Deficient Rainfall) O8 (Scanty Rainfall) O8			

7	Prevailing market price of seed	Sl.	Crop Nama		Price (Rs	s. per kg)		
	(certified) of major crops	No.	Crop Name	Local v	ariety	Hybrid variety		
		1	Wheat	30-	35	-		
		2	Barley	30)	-		
		3	Gram	70)	-		
		4	Rapeseed & Mustaro	50-	70	400		
		5	Taramira	70)	-		
Source: Fie	ld surveys, Cost of Cultivation Scheme, Rajastha	n				I		
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	bΔ	dequate Shortage			
Ü	the local market $()$	1	Urea	Ad	√	Shortage		
		2	DAP		√ √			
		3	SSP	· √				
		4	Others		√ √			
Pageon	for shortage of chemical fertilizer in the loca		I	gestions to ove	•	shortago		
Reason	i for shortage of chemical ferthizer in the loca	l market	Sug	gestions to ove	ercome the	snortage		
ource: Fie	ld surveys, Cost of Cultivation Scheme, Rajastha	n						
9	9 Prevailing market price of fertilizer Sl. No. Fertilizers				Price (Rs	s. per kg)		
		1	Urea		5.90			
		2	DAP		28.00			
		3	SSP		7.	25		
		4	Others (MoP)		18.	.90		
Source: Fie	eld surveys, Cost of Cultivation Scheme, Rajastha	n						
10	Availability of agricultural labour (√)	Easily ava	ilable		Shortage			
	The analysis of agricultural taboat (1)					√ √		
	Reason for shortage of agricultural labour		Sue	gestions to ove	ercome the	shortage		
	rtage in harvesting season was mainly due to the nt in MGNREGA	eir				k agricultural operatio		
Source: Fie	eld surveys, Cost of Cultivation Scheme, Rajastha	n						
11	Prevailing wage rate for casual labour in		Male			Female		
"	agriculture (Rs./day)		300	250				
Source: Fie	ld surveys, Cost of Cultivation Scheme, Rajastha	n	300			250		
source: rie	ta surveys, Cost of Cuttivation Scheme, Rajasthal	1						
12	Availability of institutional credit for		Target (Rs. in Crore)		Achievement (Rs. in Crore)			
	agriculture in the State (Qtr ended March 2018)		113461		60649			
	Reason for less achievement against the targe	 ?t	Sue	gestions to ove	estions to overcome the shortage			
	-				-			
Source: Fie	ld surveys, Cost of Cultivation Scheme, Rajastha	n						
13	Electricity availability for irrigation pump	sets (nu	mber of hours per day	1		5-6		
	for improvement on more accuracy in electric		ilber of flours per day	,		3-0		
	ld surveys, Cost of Cultivation Scheme, Rajastha							
14	Availability of farm machinery for timely other operations $()$	arvesting and	Easily ava	ilable	Shortage			
	Reason for the shortage		Su	gestions to ove	ercome the :	shortage		
Source: Fi-	ald surveyes Cost of Cultivation Schame Dainth	2						
ource: F1e	ld surveys, Cost of Cultivation Scheme, Rajastha		I					
15	Availability of organic manure, farm-yard-	manure,	Ade	quate		Shortage		
	vermi-compost, bio-fertilizer ($$)			$\sqrt{}$				
Source: Fie	ld surveys, Cost of Cultivation Scheme, Rajastha	n						
16	Remarks and observations							
10	Tierrains and observations							

Agro-Economic Research Centre, Allahabad, Uttara Pradesh

Name of AERC: Allahabad		State: Uttar Pradesh		Quarter Covered: Jan - Mar 2019
-------------------------	--	----------------------	--	---------------------------------

Sl.No.	Indicators				C	urrer	nt status			
1	Average Rainfall (mm)		Ac	tual				1	Normal	
	June - March 2018-19 (Upto 15 th Mar 19)		78	34.0		919.8				
2	No. of districts received deficit rainfall	No. of	districts v	vith de	eficit rain	infall Total number of d				stricts
	in the state			26		75				
lote: Exce 99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Raii	nfall: +19% t	o -19%;	Deficient	Rainfo	all: -20% to -5	9%; Sc	anty Rainfa	ll: -60% to
3	Area covered under major crops	Sl. No. Crop Name			Actual area (Lakh ha)				Targeted area (Lakh ha)	
		1	Wheat				99.13		9	9.18
		2	Gram				5.83		!	5.80
		3	Masoor				5.80			6.10
	4	Pea				4.57		4	4.50	
		5	Mustard				7.91			7.45
lote: Top	5 major crops considering Gross cropped area									
4	4 Incidence of major pests and diseases in principal crops sown (√)		Crop Nam	lame Seve		e	Moderate		Low	Not at a
	(,)	1	Wheat						√	
		2	Gram						√	
		3	Masoor						√	
		4	Pea						√	
		5	Mustard					√		
5	Farm output price of major crops	CI	SI C P		Pr	Price(Rs. per quintal)				Avorage
	Talli Galpac price of major crops	Sl. No.	Crop Name	January		February		March		Average Price
		1	Wheat	Not H	arvested	d Not Harvested		Not Harvested		-
		2	Gram	Not Harvested		d Not Harvested		Not Harvested		-
		3	Masoor	Not H	arvested	Not	: Harvested	550	00-6500	6000
		4	Pea	Not H	arvested	Not	Harvested	400	00-5000	4500
		5	Mustard	Not H	arvested			330	00-3500	3400
lote: Cons	ider major Producing market									
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Nan	ne			Adequate		Sho	ortage
		1	Wheat				√			
		2	Gram				√			
		3	Masoor				√			
		4	Pea				√			
		5	Mustard				√			
	Reason for shortage of seed in the local marke	t			Sugges	tions	to overcome	the s	hortage	

7	Prevailing market price of seed	Sl.			Price (Rs.	ner kø)		
-	(certified) of major crops	No.	Crop Name	Local var	· ·	Hybrid variety		
		1	Wheat	33 - 3		-		
		2	Gram	90 - 11		_		
		3	Masoor	77 - 8				
		4	Pea	60 - 7				
		5	Mustard	100 - 1		400 - 460		
Remarks:			mastara					
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Adequa	ate	Shortage		
	the local market $()$	1	Urea	√				
		2	DAP	√				
		3	SSP	√				
		4	Others	√				
Reaso	n for shortage of chemical fertilizer in the loca	ıl market		Suggestions to ove	ercome the s	hortage		
	-				-			
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Price (Rs.	per kg)		
		1	Urea		6.50 - 8	3.00		
			DAP		23.00 - 2	25.00		
		3	SSP		9.00 - 1	0.00		
			Others		12.00 - 1	18.00		
10	Availability of agricultural labour $()$		Easily availa	able		Shortage		
			√					
	Reason for shortage of agricultural labour			Suggestions to ove	ercome the s	shortage		
	-				-			
11	Prevailing wage rate for casual labour in		Male			Female		
	agriculture (Rs./day)		250 - 30	0		175 - 250		
12	Availability of institutional credit for		Target (Rs. in	Crore)	Achievement (Rs. in Crore)			
	agriculture in the State		70598.3	6		53619.18		
	Reason for less achievement against the targ	et		Suggestions to ove	ercome the s	hortage		
- 42					-	10.00		
13 Suggestion	Electricity availability for irrigation pump on for improvement on more accuracy in electri		imber of hours per	day)		18 - 20		
14	Availability of farm machinery for timely		harvesting and	Easily ava	ilahle	Shortage		
14	other operations ($$)	Jowning,	nai vesting and		itable	Shortage		
	Reason for the shortage			Suggestions to over	ercome the sl	hortage		
					-			
	<u>-</u>	45 Augilability of amoria around form and around			Shortage			
15	Availability of organic manure, farm-yard	-manure,		Adequate		Snortage		
15	Availability of organic manure, farm-yard vermi-compost, bio-fertilizer (√)	-manure,		Adequate $\sqrt{}$		Snortage		
15				√	riculture, U.F	Ŭ		
	vermi-compost, bio-fertilizer (√) Remarks and observations 1. Information from Sr. No 2. The availability of institutions of the state of the stat	. 1 to 4 ha	ve been collected fro	√ √ om Directorate of Ag		., Lucknow		
	rermi-compost, bio-fertilizer (√) Remarks and observations 1. Information from Sr. No 2. The availability of institution Directorate of Agriculture.	. 1 to 4 ha tutional c re U.P., Lu	ve been collected fro redit for agriculture icknow	om Directorate of Ag (Crop loan & KCC)	in U.P. has a	?, Lucknow also been collected from		
	rermi-compost, bio-fertilizer (√) Remarks and observations 1. Information from Sr. No 2. The availability of instinctionate of Agricultu 3. Apart from these most of the service of the	. 1 to 4 ha tutional c re U.P., Lu of informa	ve been collected fro redit for agriculture icknow tion have been collec	om Directorate of Ag (Crop loan & KCC)	in U.P. has a	2., Lucknow also been collected from d district		
	rermi-compost, bio-fertilizer (√) Remarks and observations 1. Information from Sr. No 2. The availability of instination birectorate of Agricultu 3. Apart from these most of 4. The prices of fertilizers	. 1 to 4 ha tutional c re U.P., Lu of informa in open m	ve been collected from the colle	om Directorate of Ag (Crop loan & KCC) ted from the farmer	in U.P. has a rs of Allahaba operative sto	2., Lucknow also been collected from d district res.		
	rermi-compost, bio-fertilizer (√) Remarks and observations 1. Information from Sr. No 2. The availability of instination birectorate of Agricultu 3. Apart from these most of 4. The prices of fertilizers	. 1 to 4 ha tutional c re U.P., Lu of informa in open m	ve been collected from the colle	om Directorate of Ag (Crop loan & KCC) ted from the farmer	in U.P. has a rs of Allahaba operative sto	2., Lucknow also been collected from d district res.		
	rermi-compost, bio-fertilizer (√) Remarks and observations 1. Information from Sr. No 2. The availability of instinctionate of Agricultu 3. Apart from these most of 4. The prices of fertilizers 5. The information of available for the semination of the seminatio	. 1 to 4 ha tutional c re U.P., Lu of informa in open m ilability fo	ve been collected from the colle	om Directorate of Ag (Crop loan & KCC) ted from the farmer gher than that of coot t for agriculture (Cr	in U.P. has a rs of Allahaba operative stor	2., Lucknow also been collected from d district res.		
	rermi-compost, bio-fertilizer (√) Remarks and observations 1. Information from Sr. No 2. The availability of instination pirectorate of Agricultu 3. Apart from these most 0. 4. The prices of fertilizers 5. The information of available of the composition of	. 1 to 4 ha tutional c re U.P., Lu of informa in open m ilability for	ve been collected from a griculture in the collection have been collection have been collection from the collection in t	om Directorate of Ag (Crop loan & KCC) ited from the farmer gher than that of coo t for agriculture (Crop) y irregular across the	in U.P. has a rs of Allahaba operative stor	2., Lucknow also been collected from d district		

Agro-Economic Research Centre, PAU, Ludhiana, Punjab

Name of AERC: PAU, Ludhiana	State: Punjab	Quarter Covered: Jan - Mar 2019
------------------------------------	----------------------	---------------------------------

SI.No.	Indicators				С	urrent s	tatus			
1	Average Rainfall (mm)			Actual				Norm	al	
				109.6				74.9)	
2	No. of districts received deficit rainfall	No. of	f dis	tricts with de	ficit rair	ıfall	Total	number	of di	istricts
	in the state			3	20*)*	
Note: Exce -99%; No R	oss Rainfall: +20% or more than Actual Rainfall; No Iain -100%	rmal Rai	nfall	: +19% to -19%;	Deficient	Rainfall:	-20% to -59%	%; Scanty I	Rainf	all: -60% to
3	Area covered under major crops**	Sl. No.	(ron Name							geted area Lakh ha)
		1	Wł	neat			35.02			34.80
			Pa	ddy			31.03			29.00
		3	Со	tton			2.75			4.00
		4	Ма	aize			1.07			1.60
		5	Su	garcane			0.98			1.00
Note: Top	5 major crops considering Gross cropped area									
4	Incidence of major pests and diseases in principal crops sown $()$	Sl. No.	Cro	op Name	Severe		oderate	Low		Not at all
		1	Wł	neat	-		-		√ -	
		2	Pa	ddy	-					-
		3	Co	tton	-		-	-		-
		4	Ma	nize	-					-
		5	Su	garcane	-		-	√		-
5	Farm output price of major crops	Sl. c			Price		Rs. per qui	ntal)		Average
		No.	Crop Name		January		February		:h	Price
		1	Wh	neat	1920)	1900		0	1877
		2	Pa	ddy	-		-			-
		3	Co	tton	5343	3	5247	556	5	5385
		4	Ма	nize	-		-	-		-
		5	Su	garcane	310		310	310)	310
Note: Cons	sider major producing market									
6	Seed availability in the local market for	Sl. N	0.	Crop Name			Ade	equate		Shortage
	major crops (√)	1		Wheat				-		-
		2		Paddy				√		-
		3		Cotton				-		-
		4		Maize				√		-
		5		Sugarcane				√		
	Reason for shortage of seed in the local marke	t			Sugges	stions to	overcome	the shorto	ige	
	NA						-			

7	Prevailing market price of seed	Sl.	Crop Name		Price (Rs. per kg)			
	(certified) of major crops	No.	Crop Name	Local	variety	Hybrid variety		
		1	Wheat		-	-		
		2	Paddy		-	37.50-50.00		
		3	Cotton		-	-		
		4	Maize		-	180 - 225		
		5	Sugarcane		-	3.10		
emarks:	: Mostly varieties grown in the state of Punjab ar	e HYVs						
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Ac	Shortage			
	the local market $()$	1	Urea		√	-		
		2	DAP		√	-		
		3	SSP	SP		-		
		4	Others		-	-		
Reaso	n for shortage of chemical fertilizer in the loca	l market	S	luggestions to o	ercome th	ne shortage		
	NA							
9	9 Prevailing market price of fertilizer		Fertilizers			Price (Rs. per kg)		
			Urea			5.93		
			DAP			25.80		
		3	SSP			11.54		
		4	Others (Zinc)		2	1%-45-50, 33%-75		
10	Availability of agricultural labour $()$		Easily	Easily available		Shortage		
			,	V				
	Reason for shortage of agricultural labour		S	uggestions to ov	vercome th	e shortage		
11	Prevailing wage rate for casual labour in		Male			Female		
	agriculture (Rs./day)		325		250			
	1 7							
12	Availability of institutional credit for agriculture in the State***		Target (Rs. in Lakh	s)		Achievement (Rs. in Lakhs)		
			9037581***			6388311***		
	Reason for less achievement against the targe	rt	S	uggestions to ov	ercome th	e shortage		
	To avoid over financing in agriculture				-			
13	Electricity availability for irrigation pump					6		
uggestion	n for improvement on more accuracy in electric	ity : Availa	ble as per requiremen	t				
14	Availability of farm machinery for timely other operations $()$	sowing, h	arvesting and	Easily ava	ailable	Shortage		
	Reason for the shortage			Suggestions to ov	ercome the	shortage		
	NA NA				-			
15	Availability of organic manure, farm-yard- vermi-compost, bio-fertilizer (√)	manure,	Ade	quate		Shortage		
						√		
	Reason for the shortage			uggestions to ov				
roduction	constraint in case of FYM		For other organic demand	options producti	ion can be i	increased targeting the		
			<u> </u>					

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

^{**} Provisional estimates

^{***} Data pertains up to 31 December 2018

Agro-Economic Research Centre, Shimla, Himachal Pradesh

Name of	AERC: Shimla	State: H	lima	achal Prade	esh	Qua	Quarter Covered: Jan - Mar 20				
SI.No.	Indicators				Cu	rrent st	atus				
1	Average Rainfall (mm)			Actual				Normal			
				60.7				117.7			
Source: Me	teorological Centre, Shimla Himachal Pradesh										
2	No. of districts received deficit rainfall	No. of	dist	tricts with d	leficit rainf	all	Total nu	mber of c	listricts		
	in the state			8			12				
-99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; N ain -100% teorological Centre, Shimla Himachal Pradesh	ormal Raii	nfall:	: +19% to -19%	; Deficient R	ainfall: -2	20% to -59%; S	canty Rain	fall: -60% to		
3	Area covered under major crops	Sl. No.	Cro	op Name			tual area .akh ha)		rgeted area (Lakh ha)		
		1	Wł	neat			3.6		3.6		
		2	Ва	rley			0.19		0.19		
		3	Pu	lses			0.12		0.12		
	i major crops considering Gross cropped area ectorate of Agriculture, Government of Himacho	al Pradesh									
4	Incidence of major pests and diseases in principal crops sown (\checkmark)	Sl. No.	Cro	op Name			ere Moderate		Not at all		
		1	Wł	neat				√			
		2	Ва	rley					√		
		3	Pu	lses					√		
Source: Dir	ectorate of Agriculture, Government of Himach	al Pradesh	1								
5	Farm output price of major crops	Sl.		M		Price (Rs. per qui		intal)	Average		
		No.	Cro	op Name		Jan	Feb	Mar	Price		
		1	Wh	neat		1800	800 1800		1800		
		2	Ва	rley		1570	1570	1570	1570		
		3	Pu	lses		8500	8500	8500	8500		
Note: Cons Source: Loc	ider major Producing market cal Markets										
6	Seed availability in the local market for	Sl. No	0.	Crop Name	9		Adequ	ıate	Shortage		
	major crops (√)	1		Wheat			√				
		2		Barley			√				
		3		Pulses			√				
	Reason for shortage of seed in the local mark	(et			Suggest	ions to o	vercome the	shortage			
	•					No shor	tage reported	i			
Source: Dir	rectorate of Agriculture, Government of Himach	al Pradesh									
7	Prevailing market price of seed	Sl. Crop Name Price (Rs. per kg)									
	(certified) of major crops	No.	CI	op name	Loca	ıl variet	у	Hybric	l variety		
		1	W	'heat		30					
		2	+	arley		NA					
		3		ulses		83					
Source: Dir	ectorate of Agriculture, Government of Himach	al Pradesh	1								

8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequate	Shortage	
	the local market $(\sqrt{)}$	1	Urea				
		2	DAP	No	ot used in H.P		
		3	SSP		V		
		4	Others		√		
Reason	for shortage of chemical fertilizer in the local I	market		Suggestions to d	overcome the sh	ortage	
	-				-		
ource: Di	rectorate of Agriculture, Government of Himachal	l Pradesh					
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Price	(Rs. per kg)	
		1	Urea			14.75	
		2	DAP			-	
		3	SSP			10.58	
			Others				
		4	(i) NPK (12:	32:16)	20.22		
		"	(ii) MOP			12.48	
			(iii) NPK 15:1	5:15 RCF	16.74		
ource: Di	irectorate of Agriculture, Government of Himacha	l Pradesh					
10	Availability of agricultural labour (√)	Easily	available		Shortage		
				√			
	Reason for shortage of agricultural labour			Suggestions to	overcome the	shortage	
				No Sh	ortage reported		
ource: Di	rectorate of Agriculture, Government of Himacha	l Pradesh					
11	Prevailing wage rate for casual labour in		Male			Female	
	agriculture (Rs./day)		220			220	
ource: Di	rectorate of Agriculture, Government of Himachai	l Pradesh					
12	Availability of institutional credit for		Target (Rs. in C	rore)	Achievem	ent (Rs. in Crore)	
	agriculture in the State		7989.30		4959.52		
	Reason for less achievement against the targe	rt		Suggestions to	overcome the	shortage	
	•			No sh	ortage reported		
42	Electrical and delivery for the trade of	1- (-		- J- X		24	
13	Electricity availability for irrigation pump		nber of nours pe	er day)		24	
	n for improvement on more accuracy in electric P. State Electricity Board	ity:					
	-	anuina h	arvecting and	Facily av	ailabla	Chartage	
14	Availability of farm machinery for timely so other operations ($$)	sowing, n	ai vestilig aliu	Easily av	allable	Shortage	
	Reason for the shortage				o overcome the	shortage	
	, ,				ortage reported		
ource: Di	rectorate of Agriculture, Government of Himacha	l Pradesh					
15	Availability of organic manure, farm-yard-	manure,		Adequate		Shortage	
	vermi-compost, bio-fertilizer (√)					√ -	
	Reason for the shortage			Suggestions t	to overcome the	shortage	
ource: Di	irectorate of Agriculture, Government of Himacha	l Pradesh					
16	Remarks and observations	It is esti	ch hectare. Till	date 2.71 lakh	hectare land	State is approximate has been brought cout 80 percent of t	

Agro-Economic Research Centre, ADRTC, Bengaluru

Name of AERC: ADRTC	State: Karnataka	Quarter Covered: Jan - Mar 2019
---------------------	------------------	---------------------------------

Sl.No.	Indicators				Curre	ent st	atus				
1	Average Rainfall (mm)			Actual				Norr	nal		
				9.2			16.5				
2	No. of districts received deficit rainfall	No. of	f distric	ts with de	eficit rainfall		Total number of districts				
	in the state			13		30					
	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%; Source: Data from Department of Agric			9% to -19%;	Deficient Rair	nfall: -2	20% to -59%	; Scanty	Rainf	all: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name							Targeted area (Lakh ha)	
		1	Paddy	′			1.42			2.27	
		2	Maize				0.16			0.30	
		3	Groun	dnut			0.94			1.75	
		4	Sunflo	wer			0.05			0.32	
		5	Cowpe	ea		0.06				0.13	
Note: Top :	5 major crops considering Gross cropped area; Sou	ırce: Dat	a from D	Department	of Agricultur	e, GOK					
4	Incidence of major pests and diseases in principal crops sown ($$)		Crop N	Name	Severe M		oderate Low		Not at al		
		1	Paddy	,						√	
		2	Maize							√	
		3	Groun	dnut						√	
		4	Sunflo	wer						√	
		5	Cowpe	ea						√	
Source: Da	ta from Department of Agriculture, GOK										
5	Farm output price of major crops	Sl.			Pri	ce (R	(Rs. per quintal)			Average	
		No.	Crop Name		January		February		y March		
		1 Paddy		,	1765	1831		1881		1826	
		2	Maize		1751		1875	19:	21	1849	
		3	Groun	dnut	3960	0 4128		40	98	4062	
		4	Sunflo	wer	3806	3867		36	15	3763	
		5	Cowpe	ea	4318		4307	418	85	4270	
	iider major Producing market marknet.nic.in										
6	Seed availability in the local market for	Sl. N	o. Cr	rop Name			Ade	equate		Shortage	
	major crops $()$	1	Pa	addy				$\sqrt{}$			
		2	M	aize				$\sqrt{}$			
		3	Gı	roundnut				√			
		4 Su		ınflower				√			
		5	Co	owpea				√			
	Reason for shortage of seed in the local marke	rt			Suggestion	ns to o	vercome t	the short	tage		

7	Prevailing market price of seed	61			Drico (P	s. per kg)	
,	(certified) of major crops	Sl. No.	Crop Name	Local v		Hybrid variety	
		1	Paddy	32.		82.50	
		2	Maize	30.0		183.00	
						163.00	
		3	Groundnut	88.0		245.00	
		4	Sunflower	120.		215.00	
Source: Da	ita from Department of Agriculture, GOK	5	Bengal gram	57.0	00	-	
8		Sl. No.	Fertilizers	Ada	w.oto	Chartage	
0	Chemical Fertilizer (NPK) availability in the local market (\mathcal{I})				·	Shortage	
	, ,	1	Urea		V V		
		2	DAP		V V		
		3	SSP Others		V V		
Reason	 n for shortage of chemical fertilizer in the loca	1	Others	Suggestions to over		shortage	
Keusor	ryor shortage of enemical perentizer in the loca	market		343363610113 60 0461	come the	snor cage	
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		P	Price (Rs. per kg)	
		1	Urea			5.9	
		2	DAP			29.15	
		3	SSP	SP SP		9.7	
		4	Others			-	
Source: Do	nta from Department of Agriculture, GOK		1				
10	10 Availability of agricultural labour (/)			ly available		Shortage	
						√	
	Reason for shortage of agricultural labour			Suggestions to over	come the	shortage	
They p	refer to move to urban areas for jobs to get bette	er income	Inc	crease the wage rates	for agrice	ulture works	
11	Prevailing wage rate for casual labour in		Male		Female		
	agriculture (Rs./day)		330.25		330.25		
Source: lab	bour.kar.nic.in						
12	Availability of institutional credit for		Target (Rs. in Cro	re)	Achieven	nent (Rs. in Crore)	
	agriculture in the State		98655			50755	
	Reason for less achievement against the targe	rt		Suggestions to over	come the	shortage	
	-			-			
Note:- Date	a pertains upto December 2018; Source: SLBC Kar	nataka.cor	m, SLBC 144th meetin	ng as on 31/12/2018			
13	Electricity availability for irrigation pump	sets (nui	mber of hours per	day)		4 to 6	
	n for improvement on more accuracy in electric	ity:					
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	
	Reason for the shortage			Suggestions to over	come the	shortage	
	ta from Department of Agriculture, GOK						
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (\lor)	manure,	,	Adequate √		Shortage	
Source: Da	ta from Department of Agriculture, GOK						
16	Remarks and observations						

Agro-Economic Research Centre, Madras University, Tamil Nadu

Name of	AERC: Chennai	State: T	amil Nadu	Qı	Quarter Covered: Jan - Mar 2019					
Sl.No.	Indicators		(Current s	tatus					
1	Average Beinfall (mm)		Actual		١	Iormal				
	Average Rainfall (mm)		3.2			13.0				
Source: Con	nmissionarate of Agriculture, Chennai 5, Tamil N	Nadu		•						
2	No. of districts received deficit rainfall	No. of	districts with deficit rai	nfall	Total num	ber of dist	ricts			
	in the state		18			32				
-99%; No Ro	s Rainfall: +20% or more than Actual Rainfall; No nin -100% nmissionarate of Agriculture, Chennai 5, Tamil N		nfall: +19% to -19%; Deficient	Rainfall:	-20% to -59%; Scc	anty Rainfal	l: -60% to			
3	Area covered under major crops	Sl. No.	Crop Name		ctual area (Lakh ha)		eted area akh ha)			
		1	Paddy		17.018	1	8.50			
		2	Cholam		3.803	3	3.630			
		3 Cun			0.473	C).530			
		4	Ragi		0.838	1	.020			
		5	Maize		3.891	3	3.520			
Note: Top 5	major crops considering Gross cropped area;	Source: C	ommissionarate of Agricultu	re, Chenno	ai 5, Tamil Nadu					
4	Incidence of major pests and diseases in principal crops sown $()$	Sl. No.	Crop Name	Severe	Moderate	Low	Not at all			
		1	Paddy			√				
		2	Millets			√				
		3	Cotton			√				
		4	Oil Seeds - Groundnut			√				
		5	Sugarcane			√				
Source: Co	mmissionarate of Agriculture, Chennai 5, Tamil I	Nadu								
5	Farm output price of major crops	Sl.	il.		Price (Rs. per qui		Average			
		No.	Crop Name	Januar	y February	March	Price			
		1	Paddy	1671.9	1 1567.75	1648.62	1600			
		2	Millets	1287	1329	1407	1341			
		3	Cotton	4695	4374	4196	4421			
		4	Oil Seeds - Groundnut	4225	4643	3424	4097			
		5	Sugarcane	3466	3645	3458	3523			
Note: Cons	ider major Producing market; Source: Commis	ssionarate	of Agriculture, Chennai 5, 7	amil Nadu						
6	Seed availability in the local market for major crops $(\ensuremath{\vee})$	Sl. No.	Crop Name	A	dequate	Sho	rtage			
		1	Paddy		√					
		2	Millets		√					
		3	Cotton		√					
		4	Oil Seeds - Groundnut		√					
		5	Sugarcane		√					
	Reason for shortage of seed in the local mark	et	Sugge	stions to	overcome the s	hortage				

Source: Commissionarate of Agriculture, Chennai 5, Tamil Nadu

7	Prevailing market price of seed	Sl.	Crop Name		Price (Rs. per kg	<u>(</u>	
	(certified) of major crops	No.	Crop Name	Lo	cal variety	Н	lybrid variety	
		1	Groundnut		60	NA		
		2	Paddy		28-30		55	
		3	Cotton	600 p	er 450 Grams	740	per 450 Grams	
		4	Pulses		85	NA NA		
		5	Maize		160	240		
Remarks:	Farmers prefers Hybrid Variety than the Local Va	_		narate of A		i 5, Tamil I		
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequa		Shortage	
Ü	the local market (f)	1	Urea		/ / \		Siloreage	
		2	DAP		√			
		3	SSP		√			
		4	Others		√ V			
Reaso	 n for shortage of chemical fertilizer in the loca	1	Canara	Sugge	stions to overcor	ne the sho	rtage	
	· · · · · · · · · · · · · · · · · · ·			- 33				
Source: Co	ommissionarate of Agriculture, Chennai 5, Tamil N	adu						
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Pr	ice (Rs. pe	er kg)	
		1	Urea (Neem	Coated)	5.92			
		2	DAP		25 to 29			
		3	SSP			7.70 to 9.70		
		4	Others			1 & Comp	lex 23.00	
Source: Co	ommissionarate of Agriculture, Chennai 5, Tamil N	adu		\.				
10	Availability of agricultural labour (/)			Easily ava	ilable		Shortage	
							√	
	Reason for shortage of agricultural labour			Sugge	stions to overcon	ne the shoi	rtage	
			Mechaniza	tion of all ag	riculture operation	ns through h	niring.	
Source: Co	ommissionarate of Agriculture, Chennai 5, Tamil N	adu						
11	Prevailing wage rate for casual labour in		Mal	e		Fe	male	
	agriculture (Rs./day)		320)		:	320	
Source: Co	ommissionarate of Agriculture, Chennai 5, Tamil N	adu						
12	Availability of institutional credit for		Target (Rs. ii	n Crore)	Ach	nievement	(Rs. in Crore)	
	agriculture in the State (Up to Mar 2018)		164965	.51		1697	08.73	
	Reason for less achievement against the targe	rt		Sugge	stions to overcon	ne the shoi	rtage	
	NA				NA			
Source: Co	ommissionerate of Agriculture (SLBC - State Level	Bank Comi	mittee), 157 Me	eting, Cheni	nai 5, Tamil Nadu			
13	Electricity availability for irrigation pump	sets (nui	mber of hours	per day)		Adequa	te/Full Day	
Suggestion	n for improvement on more accuracy in electricity	: To impro	ve technical irri	gation syster	n like Drip Irrigatio	n and Sprin	kler Irrigation.	
Source: Co	ommissionarate of Agriculture, (TANGEDCO), Chen	nai 5, Tam	il Nadu					
14	Availability of farm machinery for timely other operations $()$	sowing, h	arvesting and		Easily available		Shortage	
Source: Co	ommissionarate of Agriculture, (Agriculture Engine	eering Den	artment). Chen	nai 5. Tamil	Nadu			
				· · · · · · · · · · · · · · · · · · ·			Charta	
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ($$)	manure,		Adequ √	iate		Shortage	
Source: Co	ommissionarate of Agriculture, (Agriculture Engine	ering Dep	artment), Chen	nai 5, Tamil	Nadu	I		
16	Remarks and observations	_					nis is a major probler	
Source: Co	numissionarate of Agriculture (Agriculture Engine					rougnt dist	TICL.	
	ommissionarate of Agriculture, (Agriculture Engine	in the St	ate. Further th	e special at	tention needs to d			

Agro-Economic Research Centre, JNKVV, Jabalpur, MP

Name of AERC: Jabalpur State: Chhat	disgarh Quarter Covered: Jan - Mar 2019
-------------------------------------	-----------------------------------------

SI.No.	Indicators				Current	status			
1	Average Rainfall (mm)			Actual			Normal		
				1102.3			1226.5		
Source: Dep	oartment of Agriculture Cooperation & Farmers V	Velfare. (Chhat	tisgarh	'				
2	Number of districts received deficit	No of	dist	ricts with deficit r	ainfall	Total nui	mber of	districts	
	rainfall in the State			0			27		
Note : Excest	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rai	nfall:	+19% to -19%; Deficion	ent Rainfall:	-20% to -59%; S	canty Ra	infall: -60% to	
3	Area covered under major crops	Sl. No. Crop Name		p Name		ual area usand ha)	Targeted area (Thousand ha)		
		1 Whe		eat	1	69.37		190.00	
		2	Mai	ize	8	35.79		97.12	
		3 Gram		ım	3	75.86		426.75	
			Pea	ì	4	6.52		58.07	
		5 Mod		ong + Urd	4	4.52		57.10	
Note: Top 5	major crops considering Gross Cropped Area; So	ource: De	partr	nent of Agriculture (Cooperation	& Farmers Welf	are. Chh	attisgarh	
4	Incidence of major pests and diseases in	Sl.No. Crop Name		rop Name	Severe	Moderate	Low	Not at a	
	major crops ($$)	1	W	/heat	-	-	-	√	
		2	М	aize	-	-	-	√	
		3	G	ram	-	-	√	-	
		4	Р	ea	-	-	-	√	
		5	M	loong + Urd	-	-	-	√	
Source: Dep	partment of Agriculture Cooperation & Farmers V	Velfare. (Chhat	tisgarh					
5	Farm output price of major crops	Sl.		n Nama	Pri	ce (Rs. per qu	intal)	Average	
		No.	Cro	p Name	January	February	Marc	h Price	
		1	Wh	eat	3000	3000	300	3000	
		2	Mai	ize	17500	17500	1750	0 17500	
		3	Gra	ım	4200	4200	420	0 4200	
		4	Pea	1	4000	4000	400	0 4000	
		5	Мо	ong + Urd	9350	9350	9350	9350	
Note: Cons	ider major Producing market; Source: Departm	ent of Ag	ricult	ure Cooperation & F	armers Wel	are. Chhattisga	rh		
6	Seed availability in the local market for	Sl.N	0.	Crop Name		Adequat	e	Shortage	
	major crops $()$	1		Wheat		√			
		2		Maize		√			
		3		Gram		√			
		4		Pea		√			
		5		Moong + Urd		√			
	Reason for shortage of seed in the local marks	et		Su	ggestions to	overcome the	shortag	е	
Source: Dep	partment of Agriculture Cooperation & Farmers V	Velfare. (hhat	tisgarh					

7	Prevailing market price of seed				Price (Rs.	per kg)		
	(certified) of major crops	Sl.No.	Crop Name	Local va		Hybrid variety		
		1	Wheat	30		-		
		2	Maize	22		175		
		3	Gram	42		-		
		4	Pea	110		-		
		5	Moong + Urd	62		-		
Source: D	epartment of Agriculture Cooperation & Farmers V	Welfare. C	hhattisgarh					
8	Chemical Fertilizer(NPK) availability in	Sl.No.	Fertilizers	Adequ	uate	Shortage		
	the local market $()$	1	Urea	· √				
		2	DAP	√				
		3	SSP	√				
		4	Other	√				
Reaso	n for shortage of chemical fertilizer in the loca	l market	s	uggestions to overc	ome the s	hortage		
Source: D	epartment of Agriculture Cooperation & Farmers \	Welfare. C	hhattisgarh					
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers		Pı	rice (Rs. per kg)		
		1	Urea			5.96		
		2	DAP			24.88		
		3	SSP			6.86		
		4	Others (12:32:16)		22.78			
Source: D	epartment of Agriculture Cooperation & Farmers \(\)	Velfare. C	` ′					
10	Availability of agricultural labour $()$		Easily available			Shortage		
10	Availability of agricultural labour (V)		√ Lasity available			31101 tage		
	Reason for shortage of agricultural labour		1	uggestions to overc	ome the s	hortage		
11	Prevailing wage rate for casual labour in		Male		Female			
"	agriculture (Rs./day)		333		333			
Source: D	epartment of Agriculture Cooperation & Farmers V	Velfare. C				333		
						(5. : 6.)		
12	Availability of institutional credit for agriculture in the State ;	la	arget (Rs. in Crore)	Achi	Achievement (Rs. in Crore)			
	,		Kharif- 3600 Rabi- 600			2.27 7.06		
	Reason for less achievement against the targe	rt	S	uggestions to overc	ome the s	hortage		
	-			-				
Source: D	epartment of Agriculture Cooperation & Farmers \	Welfare. C	hhattisgarh					
13	Electricity availability for irrigation pump			av)		24		
	n for improvement on more accuracy in electricity		moet of flours per di	му <i>)</i>	•	<u> </u>		
14	Availability of farm machinery for timely other operations $()$	sowing, h	narvesting and	Easily availal	ole	Shortage		
	Reason for the shortage		S	uggestions to overc	ome the s	hortage		
				-				
15	Availability of organic manure, farm-yard-		Adequ	ate		Shortage		
13	manure, vermi-compost, bio-fertilizer ($$)		Adequ	acc		√ √		
	Reason for the shortage		Suga	estions to overcom	e the shor	·		
	-			,	- 331	3		
1/	Demayle and cheanistics							
16	Remarks and observations							

Agro-Economic Research Centre, Jabalpur, Madhya Pradesh

Name of AERC: Jabalpur	State: Madhya Pradesh	Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators				С	urrent	t status			
1	Average Rainfall (mm)			Actual				Nor	mal	
				13.9				25	.0	
Source: w	ww.imd.gov.in									
2	No. of districts received deficit rainfall	No. of	f dist	tricts with de	eficit rair	ıfall	Total	numbe	er of districts	
	in the state			10				5	2	
Note: Exce 99%; No R	ess Rainfall: +20% or more than Actual Rainfall; No Pain -100%	rmal Rai	nfall:	+19% to -19%;	Deficient	Rainfal	ll: -20% to -59%	%; Scanty	/ Rainf	fall: -60% to
3	Area covered under major crops	Sl. No.	Cro	op Name	Actual area (Lakh ha)				geted area (Lakh ha)	
		1	Wh	eat			41.06			65.40
		2	Gra	am			30.78			36.50
		3	Mu	stard			7.57			8.00
	4 Lentil 5 Peas		Lei	ntil			5.14			6.00
				2.27		5.00				
	5 major crops considering Gross cropped area epartment of Farmers' Welfare and Agriculture De	velopme	nt, M	adhya Pradesh						
4	Incidence of major pests and diseases in principal crops sown $()$	Sl. No.	Cro	op Name	Seve	e	Moderate	Lov	W	Not at al
		1	Wh	eat				√		
		2	Gra	am			√			
		3	Mu	stard				√		
		4	Ler	ntil				√		
		5	Pea	as				√		
5	Farm output price of major crops	Sl. a				Price	(Rs. per quintal)			Average
		No.	Crop Name		January		February			Price
		1	Wh	eat	1904		1842	19	53	1900
		2	Gra	am	3599	9	3754	37	91	3715
		3	Mu	stard	380	2	3593	35	17	3637
		4	Ler	ntil	3228	3	3320	33	94	3314
		5	Pea	as	309	9	3184	31	25	3136
	sider major producing market; ww.agmarknet.gov.in									
6	Seed availability in the local market for	Sl. N	0.	Crop Name			Ade	equate		Shortage
	major crops ($$)	1		Wheat				$\sqrt{}$		
		2		Gram				$\sqrt{}$		
		3		Mustard				$\sqrt{}$		
		4		Lentil				$\sqrt{}$		
		5		Peas			√			
	Reason for shortage of seed in the local marke	t			Sugges	stions i	to overcome	the shor	tage	

Prevailing market price of seed	Sl.	Cran Nama		Price (Rs.	per kg)		
(certified) of major crops	No.	Crop Name	Local va	riety	Hybrid variety		
	1	Wheat	33 - 37	7.50	-		
	2	Gram	63-6	5	-		
	3	Mustard	58-6	0	-		
	4	Lentil	59-6	4	-		
	5	Peas	38-4	4	220		
www.mpkrishi.org	walonman	t Madhya Pradash					
			A d a a		Chartana		
					Shortage		
	-						
	-						
	1						
n for shortage of chemical fertilizer in the loca	l market	S	uggestions to over	come the s	hortage		
-			-				
Prevailing market price of fertilizer	-			Price (Rs. per kg)			
				5.88			
				23.00			
					5.70		
	4	Others			24.00		
Availability of agricultural labour (/)		Easily	available		Shortage		
			√				
Reason for shortage of agricultural labour		Si	uggestions to over	ome the sl	hortage		
-			-				
Prevailing wage rate for casual labour in		Male			Female		
agriculture (Rs./day)		250-300		,	180-200		
Availability of institutional credit		Target (Rs. in Crore	e) A	Achieveme	evement (Rs. in Crore)		
for agriculture in the State (As on				20,644			
20.08.2018)		1,09,264		2	.0,044		
20.08.2018) Reason for less achievement against the targe	et .		uggestions to over		,		
	et		uggestions to overc		,		
	et		uggestions to overc		,		
Reason for less achievement against the targe		S	-		,		
Reason for less achievement against the targe - BC, MP	sets (nui	S	-		hortage		
Reason for less achievement against the targe BC, MP Electricity availability for irrigation pump In for improvement on more accuracy in electric Availability of farm machinery for timely	sets (nui	mber of hours per da	ay) Easily availa	come the si	hortage		
Reason for less achievement against the targe BC, MP Electricity availability for irrigation pump n for improvement on more accuracy in electric	sets (nui	mber of hours per da	ay) Easily availa	ble	8 Shortage		
Reason for less achievement against the targe BC, MP Electricity availability for irrigation pump In for improvement on more accuracy in electric Availability of farm machinery for timely	sets (nui	mber of hours per da	ay) Easily availa	ble	8 Shortage		
Reason for less achievement against the targe BC, MP Electricity availability for irrigation pump In for improvement on more accuracy in electric Availability of farm machinery for timely sother operations (\(\)) Reason for the shortage	sets (nui ity: sowing, h	mber of hours per da	Easily availa √ uggestions to overd	ble	8 Shortage		
Reason for less achievement against the targe BC, MP Electricity availability for irrigation pump In for improvement on more accuracy in electric Availability of farm machinery for timely sother operations (\(\))	sets (nui ity: sowing, h	mber of hours per da	ay) Easily availa	ble	8 Shortage		
Reason for less achievement against the targe BC, MP Electricity availability for irrigation pump for improvement on more accuracy in electric Availability of farm machinery for timely other operations (\(\)) Reason for the shortage Availability of organic manure, farm-yard-	sets (nui ity: sowing, h	mber of hours per da	Easily availa √ uggestions to overd	ble	8 Shortage Shortage Shortage		
Reason for less achievement against the targeton against the targeton by the second of the shortage Reason for less achievement against the targeton against the targeton by the second of the shortage against the targeton against the targeton by the second of the shortage against the targeton by the second of the shortage against the targeton by the second of the shortage against the targeton by the second of the shortage against the targeton by the second of the shortage against the targeton by the second of the second of the second of the shortage against the targeton by the second of the second	sets (nui ity: sowing, h	mber of hours per da	Easily availa	ble	8 Shortage Shortage Shortage		
-	Chemical Fertilizer (NPK) availability in the local market (/) In for shortage of chemical fertilizer in the local market price of fertilizer Prevailing market price of fertilizer Availability of agricultural labour (/) Reason for shortage of agricultural labour Prevailing wage rate for casual labour in agriculture (Rs./day)	2 3 4 5 www.mpkrishi.org epartment of Farmers' Welfare and Agriculture Developmen Chemical Fertilizer (NPK) availability in the local market (/) 1 2 3 4 n for shortage of chemical fertilizer in the local market	2 Gram 3 Mustard 4 Lentil 5 Peas	2 Gram 63-6 3 Mustard 58-6 4 Lentil 59-6 5 Peas 38-4 www.mpkrishi.org expartment of Farmers' Welfare and Agriculture Development, Madhya Pradesh Chemical Fertilizer (NPK) availability in the local market (1) Chemical Fertilizer (NPK) availability in the local market 2 DAP 3 SSP 4 Others(12:32:16) Prevailing market price of fertilizer SI. No. Fertilizers 1 Urea 2 DAP 3 SSP 4 Others Prevailing market price of fertilizer Availability of agricultural labour (1) Reason for shortage of agricultural labour Prevailing wage rate for casual labour in agriculture (Rs./day) Male 250-300	2 Gram 63-65 3 Mustard 58-60 4 Lentil 59-64 5 Peas 38-44		

NA implies Not Applicable

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

Name of AERC: Bhagalpur State: Bihar Quarter Covered: Jan - Mar 2019

SI.No.	Indicators					Curre	ent stat	us			
1	Average Rainfall (mm)			Actual					Nor	mal	
				37.4 (4.83%))				33	3.1	
2	Number of districts received deficit	No of	dist	ricts with def	icit r	ainfall		Total nu	number of districts		
	rainfall in the State			11					3	8	
Note: Exce. -99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Raii	nfall:	+19% to -19%; [Deficie	ent Rain	fall: -20%	% to -59%;	Scant	y Rainfall	: -60% to
3	Area covered under major crops	Sl. No. Crop Na		pp Name			Actual (lakh		Targeted area (lakh ha)		
		1 Wh		neat			20.4	10		23.	00
		2	2 Maize			4.5	0		4.7	75	
		3	Gra	Gram			0.8	0		1.1	15
			Ler	ntil			1.8	0		2.2	20
		5	Mu	stard			0.95			1.26	
Note: Top	5 major crops considering Gross Cropped Area										
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	. С	Crop Name		9	Severe	Modera	te	Low	Not at all
		1	W	Vheat							√
		2	М	Naize							√
		3	G	Gram				√			
		4	L	Lentil						$\sqrt{}$	
		5	Μ	Mustard				√			
5	Farm output price of major crops	Sl. a				Price (Rs. per quir			al)		Average
		No.	Cro	Crop Name		January				rch	Price
		1	Ric	e (Medium)	28	800	28	00	30	00	2867
		2	Wh	eat	17	700	18	00	190	00	1800
		3	Mai	ize	12	200	12	00	11!	50	1183
		4	Gra	am	60	000	58	00	550	00	5767
		5	Ler	ntil	58	800	59	00	59	00	5867
Note: Cons	idering the major markets										
6	Seed availability in the local market for major crops $()$	Sl.No.	. C	rop Name		A	dequate			Shorta	ge
	3	1	W	/heat			√				
		2	+	laize			√ 				
		3	+	iram			√ 				
		4	+	entil			√ 				
		5	M	Nustard			√				
	Reason for shortage of seed in the local market	rt			Sug	gestion		rcome the	shoi	rtage	
	NA						1	VA			

7	Prevailing market price of seed	CI NI=	Cron Name	2	F	Price (Rs	. per kg)		
	(certified) of major crops	Sl.No.	Crop Nam	e	Local var	iety	Hybrid variety		
		1	Wheat		18		20		
		2	Maize		12		350		
		3	Gram		55		110		
		4	Lentil		50		125		
		5	Mustard/R	lai	60		70		
Remarks:	:								
8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fertilizers	, A	dequate		Shortage		
	the local market $()$	1	Urea		$\sqrt{}$				
		2	DAP		√				
		3	SSP		√				
		4	Others		√				
Reaso	on for shortage of chemical fertilizer in the loca	l market		Sugges	tions to overco	me the sl	nortage		
	-				-				
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers	;		Price	e (Rs. per kg)		
		1	Urea				7.00		
		2	DAP				25.00		
		3	SSP			9.00			
		4	МоР				13.00		
10	Availability of agricultural labour (√)		Easily ava	ilahle		Sho	ortage		
10	manapiney of agricultural taboar (1)		Lusity ava	itabic			√		
	Reason for shortage of agricultural labour			Sugges	tions to overco	me the sl	nortage		
ncrease i AY etc.	n wages in non-farm sector, rural migration, MGN	IREGA, TDI	PS, Suitable	? Farm Labour P	olicy is needed.				
11	Prevailing wage rate for casual labour in		N	ale			Female		
	agriculture (Rs./day)		2	.50		200			
12	Availability of institutional credit for	Ta	arget (Rs. in	(Crore)	Achie	vement	(Rs. in Crore)		
	agriculture in the State	-	60,000 (An			38,500			
	Reason for less achievement against the targe			· ·	tions to overco	me the sl	nortage		
Procedure	al Complexities		Regular	Camp mode is	required				
13	Electricity availability for irrigation pump	sets (nu	mber of hou	ırs ner day)			14 - 15		
	on for improvement on more accuracy in electric				ation of separat				
progress.									
14	Availability of farm machinery for timely	sowing, h	narvesting	Easily a	vailable		Shortage		
	and other operations ($$)			-			√		
	Reason for the shortage			Sugges	tions to overco	me the sl	nortage		
Absence o	of Farm Machinery custom hiring facility.		Farm M	achinery Banks	should be establ	ished at a	all PACS.		
15	Availability of organic manure, farm-yard-	-manure,	vermi-	Ade	quate		Shortage		
	compost, bio-fertilizer (√)				√				
	Reason for the shortage			Sugges	tions to overco	me the sl	nortage		
	NA				NA				
16	Remarks and observations								
	Not Available								

$\label{lem:conomic Research Centre for Bihar \& Jharkhand, TM Bhagalpur University, Bhagalpur, Bihar$

Name of AERC: Bhagalpur State: Jharkhand Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators			Cı	ırrer	nt status				
1	Average Rainfall (mm)		Actual				Normal			
			46.3 (-8.32%	6)			50.5			
2	Number of districts received deficit	No of	districts with de	ficit rainf	all	Total number of districts				
	rainfall in the State		10				24			
lote: Exce 99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No. ain -100%	rmal Raii	nfall: +19% to -19%; I	Deficient R	Rainfo	all: -20% to -59%	%; Scanty Rain	fall: -60% to		
3	Area covered under major crops	Sl. No.	Name of the cro	р	Actual area (Lakh ha)			geted area Lakh ha)		
		1	Wheat			1.60		2.41		
		2	Maize			0.06		0.27		
		3	Gram			1.83		2.75		
		4	Lentil			0.56		0.88		
	5 Rai/Mustard			2.29		3.38				
lote: Top !	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 al		
		1	Wheat					√		
		2	Maize					√		
		3	Gram			√				
		4	Lentil				√			
		5	Rai/Mustard			√				
5	Farm output price of major crops	Sl.			Price	e (Rs. per qu	intal)	Average		
		No.	Crop Name	Januar		February	March	Price		
		1	Rice (Medium)	2650	,	2700	2800	2717		
		2	Wheat	1800)	1800	1850	1817		
		3	Maize	900		900	950	917		
		4	Gram	5200)	5200	5100	5167		
		5	Lentil	5000)	5100	5100	5067		
lote: Cons	ider major Producing market				,					
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name		Adec	quate	Sho	ortage		
		1	Wheat			V				
		2	Maize			√				
		3	Gram			V				
		4	Lentil			√				
		5	Rai/Mustard			V				
	Reason for shortage of seed in the local market		· T				ne shortage			

7	Prevailing market price of seed	CL M-	Crop North		Price	(Rs. per kg)		
	(certified) of major crops	Sl.No.	Crop Name	Loc	al variety	Hybrid variety		
		1	Wheat		20	35		
		2	Maize		12	350		
		3	Gram		50	110		
		4	Lentil		55	125		
		5	Rai/Mustard		75			
Remarks:								
8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fertilizers	Ade	quate	Shortage		
	the local market $()$	1	Urea		√			
		2	DAP		√			
		3	SSP		\checkmark			
		4	МоР		\checkmark			
Reaso	n for shortage of chemical fertilizer in the local	market	Su	iggestions to	overcome th	ne shortage		
	NA				NA			
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers		Р	rice (Rs. per kg)		
		1	Urea			7.00		
			2 DAP			25.00		
			SSP			8.00		
		4	МоР			12.00		
10	Availability of agricultural labour (√)		Easily available		9	Shortage		
						V		
	Reason for shortage of agricultural labour		Si	uggestions to	overcome t	he shortage		
Reluctancy nigration	y for wage employment due to taking liquor, low etc.	real wag	es, Awareness drive payment of minin			indigenous liquor, ensuri		
11	Prevailing wage rate for casual labour in		Male			Female		
	agriculture (Rs/day)		250		200			
12	Availability of institutional credit for	Tar	get (Rs. crore)		Achieveme	nt (Rs. crore)		
	agriculture in the state	83	336.6 (Annual)		4085 (Approx.)		
	Reason for less achievement against the targe	t	Su	ggestions to	overcome th	ne shortage		
Reluctancy	y at both levels: credit institutions and farmers		Creation of awares		armers, reduc	ing procedural complexit		
13	Electricity availability for irrigation pump	sets (nur	mber of hours per da	y)		10 - 12		
Suggestion	n for improvement on more accuracy in electricit	ty: Agricul	ture feeders should be	thought for.				
14	Availability of farm machinery for timely s	owing,	Easily a	vailable		Shortage		
	harvesting and other operations ($$)					V		
	Reason for the shortage		Su	ggestions to	overcome th	ne shortage		
iubsistenc Iesired nu	e farming and non-availability of Farm Machinery Imber.	Banks in	Farm Mechanization these FMBs should			eoperational and more o		
15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer $()$	-	Adeq	uate		Shortage		
	Reason for the shortage			ggestions to	overcome th	ne shortage		
	NA				NA			

Name of	AERC: Jorhat	State: Ass	am	(Quarter Cover	red: Jan -	Mar 2019		
Sl.No.	Indicators			Current	status				
1	Average Rainfall (mm)		Actual			Normal			
			100.7			126.3			
2	Number of districts received deficit	No of	districts with defi	cit rainfall	Total nu	ımber of districts			
2	rainfall in the State	140 01	22	Cit railian	27				
Note: Exces	 ss Rainfall: +20% or more than Actual Rainfa	ıll; Normal Rair		 eficient Rainfal	l: -20% to -59%; S		ll: -60% to		
-99%; No Ro									
3	Area covered under major crops	SI.	Crop Name		ıal area	Targeted area			
		No.	Paddy	,	kh ha) 4.67	•	h ha) .00		
		2	Jute		0.75		.10		
		3	Pulses		1.46		.25		
		4	Mustard		2.94		.50		
		5	Sugarcane	(0.31	0.50			
Note: Top 5	5 major crops considering Gross Cropped Are	ea							
4	Incidence of major pests and disease	s in Sl. No.	Crop Name	Severe	Moderate	Low	Not at all		
	major crops (√)	1	Paddy		√				
		2	Jute		√				
		3	Pulses		√				
		4	Mustard		√				
		5	Sugarcane		√				
5	Farm output price of major crops	Sl.		Pri	ce (Rs. per qui	ntal)	Average		
J	raini satpat price or major crops	No.	Crop Name	January	February	March	Price		
		1	Paddy	1450.00	-	1470,00	1463,33		
		2	Jute	2950.00		3000.00	2975.00		
		3	Pulses	3735.00		3765.00	3750.00		
		4	Mustard	3500.00		3510,00	3506.67		
		5	Sugarcane	250.00	250.00	250.00	250.00		
Note: Cons	idering the major markets dealing with the	crops under re							
6	Seed availability in the local market	for CL No.	Crop Namo		Adequate	C	hortage		
O	major crops $()$	1	Paddy		√	3	noi tage		
		2	Jute		√				
		3	Pulses		√				
		4	Mustard		√				
		5			√				
	Reason for shortage of seed in the local r		Sugarcane	Suggestions	to overcome the	shortago			
	Reason for shortage of seed in the local i	nui ket		3uggestions i	.o overcome the	siloi tuge			
7	Describing graphet a day of con-1				D.:: (D	10. 00. 1			
7	Prevailing market price of seed (certified) of major crops	Sl.No.	Crop Name	Lo	Price (R cal variety	ks. per kg) Hybrid	d variety		
		1	Paddy		.00-50.00	-	-150.00		
		2	Jute		.00-75.00	_	-130.00		
		3	Pulses	50	.00-70.00	75.00	-130.00		
		4	Mustard	50	.00-65.00	70.00	-100.00		
		5	Sugarcane		22.00-34.00		-		
Remarks:	1					ı			

8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fe	ertilizers	Ad	lequate	Shortage	
	the local market $()$	1	Ur	rea ea		$\sqrt{}$		
		2	DA	/P		√		
		3	SS	P		√		
		4	Ot	hers		\checkmark		
Reason	for shortage of chemical fertilizer in the loca	l market		Sugges	tions to d	overcome the	shortage	
9	Prevailing market price of fertilizer	Sl. No.	Fe	ertilizers		Pri	ce (Rs. per kg)	
		1	Ur	rea			9.00	
		2	DA	ΛP			27.50	
		3	SS	P	10.00			
		4	Ot	thers			7.00-18.00	
10	Availability of agricultural labour $()$		E	asily available		S	hortage	
				·			V	
	Reason for shortage of agricultural labour		Sugges	tions to d	overcome the	shortage		
Migration activities	n of labour from agriculture sector to othe s	nic	Adoption of machines against some selected activities can be an option to mitigate the shortage of labour.					
• Low wag	e rates			• Increase in the wage	rates for	agricultural w	vorkers	
11	Prevailing wage rate for casual labour in			Male			Female	
	agriculture (Rs./day)			300.00			180.00	
12	Availability of institutional credit for	Та	arge	t (Rs. in Crore) Achievement (Rs. in C			nt (Rs. in Crore)	
	agriculture in the State			13867.71		41	43.90	
F	Reason for less achievement against the target			Suggesti	ions to o	vercome the s	shortage	
	nstitutions are not willing to disburse credit a and mishandling of the loan	lue to less		Arrange awareness camp of agricultural credit syst		e farmers abo	ut guidelines and benefits	
13	Electricity availability for irrigation pump sets (number of hours per day)				NA			
Suggestion	for improvement on more accuracy in electric	ity:						
14	Availability of farm machinery for timely	sowing,		Easily available			Shortage	
	harvesting and other operations ($$)		ľ				√	
	Reason for shortage			Sugges	tions to d	overcome the	shortage	
	of majority of farms, lack of facilities of repair ar sonnel etc are the main reasons of shortage of far			Establishment of farm runder supervision of Sto		ı dealers (Sale	s & Service) at block level	
15	Availability of organic manure, farm-yard-		Adequate			Shortage		
vermi-compost, bio-fertilizer ($$)				-			√	
	Reason for shortage	Suggestions to overcome the shortage						
	roducers and investors faced inadequate, inconsistent and seaso ature of demand resulting in low production			Encourage private enterprise Educate the farmers				
16	Remarks and observations							

Name of AERC: Jorhat State: Arunachal Pradesh Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators			Curi	ent status				
1	Average Rainfall (mm)		Actual			Normal			
			92.24			128.21			
2	Number of districts received deficit	No of	districts with de	ficit rainfal	Total	number of	districts		
	rainfall in the State		12		16				
Note: Exces -99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rai	nfall: +19% to -19%;	Deficient Rai	nfall: -20% to -59%	%; Scanty Ra	nfall: -60% to		
3	Area covered under major crops	Sl. No.	Crop Name		Actual area (lakh ha)		geted area (lakh ha)		
		1	Paddy		1.34		1.68		
		2	Oilseeds		0.36		0.40		
		3	Pulses		0.11		0.15		
		4	Maize		0.50		0.55		
		5	Sugarcane		0.02		0.03		
	Note: Top 5 major crops considering Gross Crop	ped Are	2			'			
4	Incidence of major pests and diseases in major crops $(\sqrt{\ })$		Crop Name	Severe	Moderate	Low	Not at al		
		1	Paddy		√				
		2	Oilseeds		√				
		3	Pulses		√				
		4	Maize		√				
		5	Sugarcane		√				
5	Farm output price of major crops	Sl.		Pr	ice (Rs. per qui	ntal)	Average		
		No.	Crop Name	January	February	March	Price		
		1	Paddy	1450.00	1450.00	1450.00	1450.00		
		2	Oilseeds	3550.00	3550.00	3600.00	3566.67		
		3	Pulses	3670.00	3670.00	3675.00	3671.67		
		4	Maize	1352.00	1352.00	1355.00	1353.00		
		5	Sugarcane	245.00	245.00	245.00	245.00		
Note: Cons	idering the major markets dealing with the crops	under re	eference						
6	Seed availability in the local market for	Sl. No	. Crop Name		Adequat	e	Shortage		
	major crops $()$	1	Paddy		√ √				
		2	Oilseeds		√				
		3	Pulses		√				
		4	Maize		√				
		5	Sugarcane		√				
	Reason for shortage of seed in the local marke	ot .		Suggestic	ns to overcome	he shortage	,		

7	Prevailing market price of seed					Price	(Rs. per kg)		
	(certified) of major crops	Sl.No.	Crop Name	L	ocal va		Hybrid variety		
		1	Paddy	3	6.00-5	0.00	60.00-140.00		
		2	Oilseeds	6	0.00-8	0.00	100.00-220.00		
		3	Pulses	6	0.00-7	5.00	75.00-125.00		
		4	Maize	2	2.00-4	0.00	48.00-60.00		
		5	Sugarcane	2	0.00-3	6.00	-		
Remarks:									
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilize	rs	Adeq	uate	Shortage		
	the local market $()$	1	Urea		V	1			
		2	DAP		V				
		3	SSP		V				
		4	Others		V				
Reaso	on for shortage of chemical fertilizer in the loca	l market		Suggesti	ions to d	overcom	e the shortage		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers				Price (Rs. per kg)		
		1	Urea	Jrea			8.00		
		2	DAP)AP			24.00		
		3	SSP				8.00		
		4	Others)thers			6.00-15.00		
10	Availability of agricultural labour $()$		Easily availa	ole			Shortage		
							V		
	Reason for shortage of agricultural labour			Suggest	ions to	overcom	e the shortage		
	Migration of labour from rural to urban areas			Agricultural l	labourer	s must g	et reasonable wages		
11	Prevailing wage rate for casual labour in		Male	Male			Female		
	agriculture (Rs./day)		280.00			190.00			
12	Availability of institutional credit for	Ta	Target (Rs. in Crore) Achievement (vement (Rs. in Crore)				
	agriculture in the State		NA				NA		
	Reason for less achievement against the targe	et		Suggest	ions to	overcom	e the shortage		
	-					-			
13	Electricity availability for irrigation pump	sets (nui	mber of hours	per dav)			NA		
uggestio	on for improvement on more accuracy in electric			. ,,					
14	Availability of farm machinery for timely	sowing h	arvesting	Easily a	availah	le	Shortage		
	and other operations ($$)		,		<u> </u>		√ √		
	Reason for the shortage			Suggesti	ions to	overcom	e the shortage		
ack of pu	ırchasing power of small and marginal groups of fo	armers.				gramme.	s to supply of farm machinery		
			the farme	rs at subsidized	a rate.	-			
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer ($$)	-manure,		Adequate			Shortage		
			C 1	ions to		√ 			
ow produ	Reason for the shortage uction of organic manure, farm-yard manure, very	mi- compo	st Govt can				e the shortage o ensure availability of orga		
.ow proat pio-fertili		тт- сотпро:		bio-fertilizer	oucy me	usure to	о еньите ичинивнику от огда		
16	Remarks and observations								
				-					

Name of AERC: Jorhat State: Meghalaya Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators			(Curre	nt status			
1	Average Rainfall (mm)		Actual				No	rmal	
			78.05				130	6.22	
2	Number of districts received deficit	No o	f districts with	deficit rai	nfall	Total	numbe	er of di	stricts
	rainfall in the State		5			7			
Note: Exce -99%; No R	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Ra	infall: +19% to -19!	%; Deficien	t Rainf	fall: -20% to -59	%; Scant	ty Rainfe	all: -60% to
3	Area covered under major crops		Crop Name			Actual area (lakh ha)		Targeted area (lakh ha)	
		1	Paddy			1.10			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 $()$	Sl. No.	Crop Name	Sever	e	Moderate		-ow	Not at all
		1	Paddy			√			
		2	Maize			√			
		3	Jute			√			
		4	Oilseeds			√			
		5	Pulses			√			
5	Farm output price of major crops	61			Price	e (Rs. per quir	ntal)		Average
3	Tarm output price of major crops	Sl. No.	i ron Name	Janua				rch	Average Price
		1	Paddy	1445.	-	1450.00	1450.00		1448,33
		2	Maize	1325.	_	1325.00	1330		1326,67
		3	Jute	2850.		2850.00	2880		2860.00
		4	Oilseeds	3570.	00	3575.00	3575	5.00	3573.33
		5	Pulses	3670.		3670.00	3673		3671,00
Note: Cons	idering the major markets dealing with the crops	under r	eference						
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name			Adequate	è	S	hortage
	3.7	1	Paddy			√			
		2	Maize						
		3	Jute			√			
		4	Oilseeds			√			
		5	Pulses			√			
	Reason for shortage of seed in the local marke	t .		Sugge	estions	s to overcome	the sho	rtage	

7	Prevailing market price of seed	cı	6 11		Price (Rs	. per kg)		
	(certified) of major crops	Sl. No.	Crop Name	Local v	ariety	Hybrid variety		
		1	Paddy	30.00-	40.00	60.00-140.00		
		2	Maize	20.00-	38.00	50.00-58.00		
		3	Jute	52.00-	80.00	70.00-130.00		
		4	Oilseeds	60.00-	80.00	100.00-185.00		
		5	Pulses	63.00-	70.00	75.00-120.00		
Remarks:			1					
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Adec	ıuate	Shortage		
Ü	the local market $()$	1	Urea		<i>√</i>	Shortage		
		2	DAP		\			
		3	SSP		\			
		4	Others		\			
Dagge			Others					
Keason	for shortage of chemical fertilizer in the local	тагкет		Suggestions to	overcome tn	e snortage 		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Pr	rice (Rs. per kg)		
		1				8.00		
		2				26.00		
		3	SSP			8.50		
		4	Others		6.00-18.00			
10	Aveilability of amicultural labour (1)		Forth control	1.		Charles		
10	Availability of agricultural labour ($$)		Easily availab	le		Shortage √		
	December the street of anticultural labour			<u> </u>				
	Reason for shortage of agricultural labour		44 4	Suggestions to				
-	te demand of manual labour is very high as comp in all agricultural operations	area to a	labour	i of some selected	i activities cai	n mitigate the shortage of		
11	Prevailing wage rate for casual labour in	Male Female			Female			
	agriculture (Rs./day)		300		220			
12	Availability of institutional credit for agriculture in the State (Annual)		Target (Rs. in Cr	rore)	Achieve	ment (Rs. in Crore)		
			851			417.01		
Red	ason for less achievement against the tai	rget		Suggestions to	overcome t	he shortage		
						3		
The lending	g procedure of financial institution is not farmers	friendly	Administrative					
The lending	g procedure of financial institution is not farmers Electricity availability for irrigation pump		loan should be	minimized				
13		sets (nur	loan should be	minimized		ers at the time of acquiring		
13 Suggestion	Electricity availability for irrigation pump for improvement on more accuracy in electric	sets (nur	loan should be	r day)	l by the farme	ers at the time of acquiring		
13	Electricity availability for irrigation pump	sets (nur	loan should be	minimized	l by the farme	ers at the time of acquiring		
13 Suggestion	Electricity availability for irrigation pump for improvement on more accuracy in electric Availability of farm machinery for timely s	sets (nur	nber of hours pe	r day) Easily ava Suggestions to	l by the farme	NA Shortage shortage		
13 Suggestion	Electricity availability for irrigation pump for improvement on more accuracy in electric Availability of farm machinery for timely sother operations $()$	sets (nur ity: sowing, h	nber of hours pe	r day) Easily ava Suggestions to	tilable overcome the come forward	NA Shortage		
13 Suggestion	Electricity availability for irrigation pump for improvement on more accuracy in electric Availability of farm machinery for timely sother operations (\(\)) Reason for shortage	sets (nurity: sowing, h	nber of hours pe arvesting and The Central al and machiner	Easily ava Suggestions to and State Govt. can	tilable overcome the come forward	NA Shortage shortage		
13 Suggestion 14 Farmers are	Electricity availability for irrigation pump for improvement on more accuracy in electric Availability of farm machinery for timely sother operations (\sqrt{)} Reason for shortage e not willing to purchase the high priced farm more	sets (nurity: sowing, h	nber of hours pe arvesting and The Central al and machiner	Easily ava Suggestions to and State Govt. can y at subsidized ra	tilable overcome the come forward	NA Shortage e shortage to provide implements		
13 Suggestion 14 Farmers are	Electricity availability for irrigation pump for improvement on more accuracy in electric availability of farm machinery for timely so other operations (\sqrt{)} Reason for shortage e not willing to purchase the high priced farm more availability of organic manure, farm-yard-	sets (nurity: sowing, h	nber of hours pe arvesting and The Central al and machiner	Easily ava Suggestions to and State Govt. can y at subsidized ra	tilable overcome the come forwards	NA Shortage e shortage d to provide implements Shortage		
13 Suggestion 14 Farmers are	Electricity availability for irrigation pump for improvement on more accuracy in electric availability of farm machinery for timely so other operations (\sqrt{)} Reason for shortage e not willing to purchase the high priced farm more availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (\sqrt{)} Reason for the shortage ack of interest and awareness in using of vermin-compost.	sets (nur ity: sowing, h achinery.	arvesting and The Central and and machiners A	Easily ava Suggestions to and State Govt. can y at subsidized ra dequate Suggestions to	overcome the overc	NA Shortage e shortage d to provide implements Shortage v e shortage up some programmes for		

Name of AERC: Jorhat State: Mizoram Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators			Curre	ent status			
1 1	Average Rainfall (mm)		Actual	Curre	ant status	No	rmal	
'	Average Kallilatt (IIIII)		56.23				4.90	
				6 11 1 6 11				
2	Number of districts received deficit rainfall in the State	No of	districts with d	eficit rainfall	lotal	numb	er of di	stricts
Note: Even	ss Rainfall: +20% or more than Actual Rainfall; No	um al Da	6 infalls 100/ to 100/	A Dafisiant Bair	fall. 20% to E0	10/. Caan	8	ially (00/ to
-99%; No R		ormat Ka	111Jull. +19% to -19%	, Dejicient kun		7%, Scuii	ty Kuiij	uii60% to
3	Area covered under major crops	Sl. No.	Crop Name		Actual area (lakh ha)			ted area kh ha)
		1	Paddy		0.40		C).62
		2	Oilseeds		0.03		C	.07
		3	Maize		0.07		C).12
		4	Pulses		0.04		C).10
		5	Sugarcane		0.01		0.03	
Note: Top	5 major crops considering Gross Cropped Area							
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Severe	Moderate	Lo	ow	Not at all
		1	Paddy		√			
		2	Oilseeds		√			
		3	Maize		√			
		4	Pulses		√			
		5	Sugarcane		√			
5	Farm output price of major crops	Sl.	6 11	Pric	rice (Rs. per quint			Average
		No.	Crop Name	January	February	Ма	ırch	Price
		1	Paddy	1450.00	1450.00	145	0.00	1450.00
		2	Oilseeds	3550.00	3530.00	353	0.00	3536.67
		3	Maize	1320.00	1325.00	132	5.00	1323.33
		4	Pulses	3700.00	3705.00	371	0.00	3705.00
		5	Sugarcane	248.00	248.00	248	3.00	248.00
Note : Cons	idering the major markets dealing with the crops	under r	eference					
6	Seed availability in the local market for major crops $(\sqrt{\ })$	Sl. No.	Crop Name		Adequate	e	S	hortage
		1	Paddy		V			
		2	Oilseeds		V			
		3	Maize		$\sqrt{}$			
		4	Pulses		$\sqrt{}$			
		5	Sugarcane		\checkmark			

7	Prevailing market price of seed	Sl.	Crop Name		Price (Rs	s. per kg)	
	(certified) of major crops	No.	Crop Name	Local	variety	Hybrid variety	
		1	Paddy	28.00	0-40.00	50.00-130.00	
		2	Oilseeds	55.00	0-70.00	75.00-180.00	
		3	Maize	19.00	0-35.00	40.00-55.00	
		4	Pulses	60.00	0-75.00	70.00-125.00	
		5	Sugarcane	20.0	0-33.00	-	
Remarks:		1					
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers	Adec	quate	Shortage	
	the local market $()$	1	Urea	1	V		
		2	DAP	1	V		
		3	SSP	1	V		
		4	Others	1	V		
Reaso	n for shortage of chemical fertilizer in the loca	l market	Sugg	estions to	overcome the	shortage	
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers		Price (Rs. per kg)		
		1	Urea			8.00	
		2	DAP			28.00	
		3	SSP			8.50	
		4	Others			7.00-15.00	
10	Availability of agricultural labour $()$		Easily available		Sh	ortage	
						√	
	Reason for shortage of agricultural labour		Sugg	estions to	overcome the	shortage	
	e is mostly a seasonal venture for which the agric refer to shift to other economic activities.	ultural	Govt. can adopt initi		•	of multiple cropping	
11	Prevailing wage rate for casual labour in		Male			Female	
	agriculture (Rs./day)		280.00			190.00	
12	Availability of institutional credit for		Target (Rs. in Crore)		Achiever	ment (Rs. in Crore)	
	agriculture in the State		326			120.3	
	Reason for less achievement against the targe	?t	Sugg	estions to	overcome the	shortage	
	institution has the tendency to allow credit to thoups only	e larger la	nd To improve the credit especially the small o			ers in the rural area,	
13	Electricity availability for irrigation pump	sets (nui	mber of hours per day)			NA	
uggestin	n for improvement on more accuracy in electric						

14	Availability of farm machinery for timely sowing and other operations $()$, harvesting	g Easily avai	lable	Shortage			
	()				$\sqrt{}$			
	Reason for shortage of agricultural labour		Suggestions to overcome the shortage					
	marginal groups of farmers cannot afford to purchase all rn costly machinery.	Govt. sho	Govt. should Supply farm machinery to the farmers at subsidized rate.					
15	Availability of organic manure, farm-yard-manur	e,	Adequate		Shortage			
	vermi-compost, bio-fertilizer ($$)				√			
	Reason for the shortage		Suggestions to overcome the shortage					
	olicy initiatives are not sufficient enough to meet the despending on.		dopt new policy measur bio-fertilizer through pr		e availability of organic manure vate entrepreneurship.			
16	Remarks and observations							

Name of AERC: Jorhat	State: Manipur	Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators			(Curre	nt status			
1	Average Rainfall (mm)		Actual				Norr	nal	
			76.94				135.	10	
2	Number of districts received deficit	No of	f districts with d	eficit raii	nfall	Total	number	of di	stricts
	rainfall in the State		6			9			
Note: Exces	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rai	infall: +19% to -19%	; Deficient	Rainf	all: -20% to -59%	%; Scanty	Rainf	all: -60% to
3	Area covered under major crops	Sl. No.	Crop Name			Actual area (lakh ha)		Targeted area (lakh ha)	
		1	Paddy			2.40			2.50
		2	Oilseeds			0.36			0.39
		3	Maize			0.26			0.30
		4	Pulses			0.30			0.41
		5	Sugarcane			0.05			0.06
lote: Top :	5 major crops considering Gross Cropped Area								
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Seve	re	Moderate	Low		Not at al
		1	Paddy			√			
		2	Oilseeds			V			
		3	Maize			V			
		4	Pulses			√			
		5	Sugarcane			$\sqrt{}$			
5	Farm output price of major crops	Sl.			Price (Rs. per quintal)				Average
		No.	Crop Name	Janua		February	March		Price
		1	Paddy	1430.	00	1440.00	1440.00		1436.67
		2	Oilseeds	3573.	00	3570.00	3570	.00	3571.00
		3	Maize	1310.	00	1310.00	1310	.00	1310.00
		4	Pulses	3620.	00	3620.00	3625	.00	3621.67
		5	Sugarcane	245.0	00	245.00	245.	00	245.00
lote: Cons	idering the major markets dealing with the crops	under re	eference						
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name			Adequate	•	S	hortage
		1	Paddy			$\sqrt{}$			
		2	Oilseeds			√			
		3	Maize			√			
		4	Pulses			√			
			Sugarcane			√			
	Reason for shortage of seed in the local marke	t		Sugge	stions	to overcome	the short	age	

7	Prevailing market price of seed	Sl.			P	Price (Rs.	. per kg)	
	(certified) of major crops	No.	Crop Name	L	ocal var		Hybrid variety	
		1	Paddy		34.00-45		80.00-140.00	
		2	Oilseeds	5	8.00-70	.00	90.00-200.00	
		3	Maize	2	20.00-40	0.00	44.00-55.00	
		4	Pulses	6	50.00-75	.00	80.00-135.00	
		5	Sugarcane	2	20.00-30	0.00	-	
Remarks:								
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizers		Adequate		Shortage	
	the local market $()$	1	Urea		√			
		2	DAP					
		3	SSP		√			
		4	Others		√			
Reason	for shortage of chemical fertilizer in the loca		Suggestions	to overco	me the s	hortage		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers				ice (Rs. per kg)	
		1	Urea				8.00	
		2	DAP				24.00	
		3	SSP				8.50	
		4	Others				7.00-15.00	
10	Availability of agricultural labour $()$		Easily availa	ble		S	hortage	
							$\sqrt{}$	
	Reason for shortage of agricultural labour	1		Suggestions to overcome the shor		hortage		
At present	agricultural workers prefer to work in other eco	nomic sect		d to advocate m	echanizat	ion in ag	riculture, especially for	
11	Prevailing wage rate for casual labour in		Male				Female	
	agriculture (Rs./day)		280				200	
12	Availability of institutional credit for		Target (Rs. in	Crore)	Ac	hieveme	ent (Rs. in Crore)	
	agriculture in the State		NA				NA	
	Reason for less achievement against the targe	et		Suggestions	to overco	ome the s	hortage	
13	Electricity availability for irrigation pump	sets (nu	mber of hours p	er day)			NA	
Suggestion	 for improvement on more accuracy in electricity	:						
14	Availability of farm machinery for timely other operations ($$)	sowing, h	narvesting and	Easily a	vailable		Shortage √	
	Reason for shortage			Suggestions	to overco	ome the s	hortage	
	nd marginal groups who cannot afford to purc costly machinery which is a main reason of short	The use of farm machinery is possible for large areas, for which the practice of cooperative farming, contract farming, etc., are to be resorted to.						
			Custom se	ervice facilities m	ay also be	created	in selected locations.	

15	Availability of organic manure, farm-yard-myermi-compost, bio-fertilizer (√)	nanure,	Adequate	Shortage
	vermi-compost, bio-iertifizer (v)			√
	Reason for the shortage		Suggestions to overc	come the shortage
1 '	rareness of farmers on availability of organic mare, vermi- compost, bio-fertilizer etc.	nure farm,	The State Government has taken up of organic manure and bio- fertilizer launched among the farmers.	, , , ,
16	Remarks and observations			

Name of AERC: Jorhat	State: Nagaland	Quarter Covered: Jan - Mar 2019
----------------------	-----------------	---------------------------------

Sl.No.	Indicators							
1	Average Rainfall (mm)		Actual			Normal		
			97.10		122.41			
2	Number of districts received deficit	No of	f districts with defi	Total n	Total number of districts			
	rainfall in the State		8					
	ess Rainfall: +20% or more than Actual Rainfall; No Rain -100%	rmal Rai	infall: +19% to -19%; D	eficient Rainfal	l: -20% to -59%;	Scanty Rainfo	all: -60% to	
3	Area covered under major crops	Sl. No.	(ron Name			_	eted area akh ha)	
		1	Paddy	1.	89	2	.90	
		2	Oilseeds	0.	0.67		.92	
		3	Pulses	0.	.37	0	.50	
		4	Maize	0.	70	0.86		
		5	Sugarcane	0.	04	0.09		
Note: Top	5 major crops considering Gross Cropped Area							
4	Incidence of major pests and diseases in major crops $()$		Crop Name	Severe	Moderate	Low	Not at al	
		1	Paddy		√			
		2	Oilseeds		√			
		3	Pulses		√			
		4	Maize		√			
		5	Sugarcane		√			
5	Farm output price of major crops	Sl.	6 11	Price		intal)	Average Price	
		No.	Crop Name	January	February March			
		1	Paddy	1453.00	1450.00	1450.00	1451.00	
		2	Oilseeds	3570.00	3567.00	3575.00	3570.67	
		3	Pulses	3660.00	3665.00	3665.00	3663.33	
		4	Maize	1320.00	1322.00	1324.00	1322.00	
		5	Sugarcane	243.00	243.00	245.00	243.67	
Note: Cons	sidering the major markets dealing with the crops	under r	eference					
6	Seed availability in the local market for major crops $(\sqrt{\ })$	Sl. No.	Crop Name		Adequ	ıate	Shortage	
		1	Paddy		√			
		2	Oilseeds		√			
		3	Pulses		√			
		4	Maize		√			
		5	Sugarcane		√			
	Reason for shortage of seed in the local market	t		Suggestions t	o overcome th	e shortage		

7	Prevailing market price of seed	Sl.	Cran Nama		Р	rice (Rs.	per kg)		
	(certified) of major crops	No.	Crop Name	l	_ocal vari	iety	Hybrid variety		
		1	Paddy	;	30.00-50	.00	80.00-160.00		
		2	Oilseeds	(50.00-80	.00	70.00-170.00		
		3	Pulses	(60.00-70.00		75.00-120.00		
		4	Maize	:	22.00-38	.00	45.00-53.00		
		5	Sugarcane	:	20.00-32	.00	-		
Remarks:									
8	Chemical Fertilizer (NPK) availability in	Sl. No.	Fertilizer	S	Adequa	ate	Shortage		
	the local market $()$	1	Urea						
		2	DAP		√				
		3	SSP		$\sqrt{}$				
		4	Others		√	√			
Reaso	on for shortage of chemical fertilizer in the loca	l market		Suggestions	to overco	me the sl	hortage		
9	Prevailing market price of fertilizer	Sl. No.	Fertilizers			Pri	ice (Rs. per kg)		
		1	Urea	rea			7.50		
		2	DAP	AP			22.00		
		3	SSP			8.00			
		4	4 Others				6.00-18.00		
10	Availability of agricultural labour $()$		Easily availab	le		Sh	nortage		
						√			
	Reason for shortage of agricultural labour			Suggestions	to overco	me the si	hortage		
Low wage problem	of agricultural labours creates the shortage of la	bour	Agricultural lo		get reason	able wag	es so that they can		
11	Prevailing wage rate for casual labour in		Male				Female		
	agriculture (Rs./day)		290.00				190.00		
12	Availability of institutional credit for agriculture in the State	Ta		et (Rs. in Crore)			Achievement (Rs. in Crore)		
			NA		NA				
	Reason for less achievement against the targe	et		Suggestions	to overco	me the si	hortage		
	NA NA				NA				
13		sets (nur	mber of hours pe	r day)	NA		NA		
	NA NA	`	nber of hours pe	r day)	NA		NA		
	NA Electricity availability for irrigation pump	city:	•		NA NA		Shortage		
Suggestio	NA Electricity availability for irrigation pump on for improvement on more accuracy in electric Availability of farm machinery for timely other operations (√)	city:	•	Easily a	vailable	me the si	Shortage √		
Suggestio 14	NA Electricity availability for irrigation pump on for improvement on more accuracy in electric Availability of farm machinery for timely other operations (√) Reason for shortage	sowing, h	arvesting and	Easily a	available to overco		Shortage √ hortage		
Suggestio 14	NA Electricity availability for irrigation pump on for improvement on more accuracy in electric Availability of farm machinery for timely other operations (√)	sowing, h	arvesting and Govt. can intr	Easily a	to overco		Shortage √ hortage		
Suggestio 14	NA Electricity availability for irrigation pump on for improvement on more accuracy in electric Availability of farm machinery for timely other operations (√) Reason for shortage	sowing, h	Govt. can intr	Easily a Suggestions oduce different	to overco		Shortage √ hortage ply of farm machinery Shortage		
Suggestio 14 Lack of pu	NA Electricity availability for irrigation pump on for improvement on more accuracy in electric availability of farm machinery for timely other operations (√) Reason for shortage archasing power of small and marginal groups of for availability of organic manure, farm-yard-vermi-compost, bio-fertilizer (√)	sowing, h	Govt. can intr	Easily a Suggestions oduce different t subsidized rat dequate	to overco	nes to supp	Shortage √ hortage ply of farm machinery Shortage √		
14 Lack of pu	NA Electricity availability for irrigation pump on for improvement on more accuracy in electric distribution of the properations (√) Reason for shortage distribution of small and marginal groups of for the shortage distribution of organic manure, farm-yard vermi-compost, bio-fertilizer (√) Reason for the shortage of organic manure, vermin-compost, bio-forganic manure, vermin-compost, bio-forganic manure, vermin-compost, bio-forganic manure, vermin-composition of organic manure farm-yard manure, vermin-composition of organic manure, vermin-composition organic manure, ver	sowing, h	Govt. can intr the farmers a	Suggestions oduce different t subsidized rat sdequate Suggestions policy measur	to overco programme to overco es to ensu	nes to supp ome the si	Shortage √ hortage ply of farm machinery Shortage √		

Name of AERC: Jorhat State: Tripura	Quarter Covered: Jan - Mar 2019
---------------------------------------------------	---------------------------------

Sl.No.	Indicators	Current status							
1	Average Rainfall (mm)		Actual			Normal			
			80.50		96.70				
2	Number of districts received deficit	No of	districts with defi	cit rainfall	Total nu	Total number of districts			
	rainfall in the State		3			4			
	ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	rmal Rai	nfall: +19% to -19%; D	eficient Rainfa	ll: -20% to -59%;	Scanty Rainfa	ll: -60% to		
3	Area covered under major crops	Sl. No.	Crop Name		al area kh ha)		ed area h ha)		
			Paddy	2	.02	2.	75		
			Maize	С	0.14	0.	20		
		3	Pulses	С).15	0.	22		
		4	Oilseeds	0	.08	0.15			
		5	5 Sugarcane 0.01		.01	0.	03		
ote: Top	5 major crops considering Gross Cropped Area								
4	Incidence of major pests and diseases in major crops $()$	Sl. No.	Crop Name	Severe	Moderate	Low	Not a		
		1	Paddy		√				
		2	Maize		√				
		3	Pulses		√				
		4	Oilseeds		√				
		5	Sugarcane		√				
5	Farm output price of major crops	Sl.	C 11	Prid	ce (Rs. per qui	ntal)	Average		
		No.	Crop Name	January	February	March	Price		
		1	Paddy	1460.00	1460.00	1445.00	1455.00		
		2	Maize	1315.00	1315.00	1320.00	1316.67		
		3	Pulses	3670.00	3670.00	3667.00	3669.0		
		4	Oilseeds	3580.00	3570.00	3570.00	3573.3		
		5	Sugarcane	246.00	246.00	243.00	245.00		
ote: Cons	sidering the major markets dealing with the crops	under r	eference						
6	Seed availability in the local market for major crops $()$	Sl. No.	Crop Name		Adequa	ite S	Shortage		
		1	Paddy		√				
		2	Maize		√				
		3	Pulses		√				
		4	Oilseeds		√				
		5	Sugarcane		√				
	Reason for shortage of seed in the local marke			Suggestions	to overcome the	a shortage			

7	Prevailing market price of seed	Sl.					Price (Rs. per kg)	
	(certified) of major crops	No.	Cro	Crop Name Loc		Loca	al variety	Hybrid variety	
		1	Pac	ldy		34.0	00-50.00	70.00-150.00	
		2	Mai	ze		24.0	00-38.00	40.00-60.00	
		3	Pul	ses		60.0	00-70.00	75.00-135.00	
		4	Oils	seeds		60.0	00-90.00	80.00-200.00	
		5	Sug	arcane		23.0	00-30.00	-	
Remarks:									
8	Chemical Fertilizer (NPK) availability in the local market (\surd)	Sl. No.	Fer	tilizers		Adeo	quate	Shortage	
		1	Urea				V		
		2	DAF	DAP			V		
		3	SSP)			V		
		4	Oth	ners			√		
Reaso	n for shortage of chemical fertilizer in the loca	⊥ I market	:		Sugge	estions to	overcome th	e shortage	
9	Prevailing market price of fertilizer	Sl. No.	Fer	AP		Pi	rice (Rs. per kg)		
		1	Ure			8.00			
		2	DAF			23.00			
		3	SSP			7.50			
		4	Oth	ners				6.00-14.00	
10	Availability of agricultural labour $()$		Eas	sily avail	able		!	Shortage	
	Reason for shortage of agricultural labour				Suga	estions to	overcome th	√ ne shortage	
Migration (of labour from rural to urban areas				e the migra	tion prob		ın adopt some basic poli	
11	Prevailing wage rate for casual labour in			Male				Female	
	agriculture (Rs./day)			280				210	
12	Availability of institutional credit for		Targe	t (Rs. in	Crore)		Achievem	ent (Rs. in Crore)	
	agriculture in the State			2338.77				2003.20	
	Reason for less achievement against the targe	t				estions to	overcome th		
Bank of	on procedure of the beneficiaries is too clumsy ficials are reluctant to disburse credit because r	epaymen	nt is	• Select	ion of benefic	ciaries mu	st be simple 8	t hassle free.	
13	Electricity availability for irrigation pump	sets (nu	umbe	r of hou	rs per day)			NA	
uggestion	for improvement on more accuracy in electricity	:							
14	Availability of farm machinery for timely s and other operations ($$)	sowing,	harve	esting	Easily	availabl	e	Shortage √	
	Reason for shortege				Sugar	estions to	overcome th		
imall and	Reason for shortage marginal farmers cannot afford to purchase all	the mod		Govt. sho	ould supply f			mall & marginal farmers	

15	Availability of organic manure, farm-yard-manure, vermi-compost, bio-fertilizer ($$)		Adequate	Shortage
	verini-compost, bio-fertilizer (v)			√
	Reasons for shortage		Suggestions to	overcome the shortage
and hend	 Present policy initiatives are not sufficient enough to meet the demand and hence shortage persists. Lack of awareness on the uses of bio-fertilizer 		Bio- fertilizer production co- capacity for reducing the sho	entre should enhance their production rtage of fertilizer
16	Remarks and observations			

Sources:

- 1) Economic Survey
- 2) Statistical Hand Book
- 3) Website of Agricultural Department
- 4) Nedfi Data Bank
- 5) IMD, Website
- 6) Minutes of SLBC Meeting

Agro-Economic Research Centre, Santiniketan, West Bengal

Name of AERC: Santiniketan	State: West Bengal	Quarter Covered: Jan - Mar 2019

Sl.No.	Indicators	Current status						
1	Average Rainfall (mm)		Actual			Normal		
			614.9			395.2		
Source: Dir	rectorate of Agriculture, Govt. of West Bengal							
2	No. of districts received deficit rainfall	No. of	districts with defici	Total number of districts				
	in the state		4		19			
-99%; No Ro	ss Rainfall: +20% or more than Actual Rainfall; No ain -100% ectorate of Agriculture, Govt. of West Bengal	rmal Rair	nfall: +19% to -19%; Defi	cient Rainfall	: -20% to -59%;	Scanty Rainfa	ll: -60% to	
3	Area covered under major crops	Sl. No.	Crop Name		Actual area Ta (Lakh ha)		Targeted area (Lakh ha)	
			Summer Paddy		11.70		13.10	
			Wheat		1.05		1.54	
		3	Potato		4.87		4.60	
		4	Mustard		6.41		5.75	
		5	Sesame (R+S)	1.12		2.32		
	najor crops considering Gross cropped area ectorate of Agriculture, Govt. of West Bengal							
4	Incidence of major pests and diseases in principal crops sown $()$	Sl. No.	Crop Name Severe		Moderate	Low	Not at al	
			Summer Paddy			√		
		2	Wheat				√	
		3	Potato				√	
		4	Mustard			√		
		5	Sesame (R+S)				√	
Source- Dir	rectorate of Agriculture, Govt. of West Bengal							
5	Farm output price of major crops	Sl.		Pri	Price (Rs. per quint		Average	
		No.	Crop Name	January			Price	
		1	Summer Paddy	1700.00	1740.00	1750.00	1730.00	
		2	Wheat	1970.00	1980.00	1990.00	1980.00	
		3	Potato	655.00	526.00	500.00	564.00	
		4	Mustard	4170.00	4290.00	4300.00	4267.00	
		5	Sesame (R+S)	7100.00	6760.00	7630.00	7164.00	
	ider major producing market marknet website							
6	Seed availability in the local market for	Sl. No.	Crop Name		Adequa	te	Shortage	
	major crops ($$)	1	Summer Paddy		√			
		2	Wheat		√			
		3	Potato		√			
		4	Mustard		√			
		5	Sesame (R+S)		√			
	eason for shortage of seed in the local market				overcome the			

7	Prevailing market price of seed	CI.				Dr	ice (Rs. pe	ır ka)
,	(certified) of major crops	Sl. No.	Cro	p Name	Loc	cal varie		Hybrid variety
		1	Sur	nmer Paddy			5	38.00
		2		eat				28.00
		3	Pot	ato				45.00
		4	Mu	stard				30.00
		5	Ses	same (R+S)				40.00
Source: Lo	cal Market	'						
8	Chemical Fertilizer (NPK) availability in	Sl. No	ο.	Fertilizers		Ade	equate	Shortage
	the local market $()$	1		Urea				√
		2		DAP			√	
		3		SSP			\checkmark	
		4		Others			√	
Reaso	n for shortage of chemical fertilizer in the loca	ıl market			Suggestions to	o overcoi	me the shor	tage
	Inadequate supply				Supply	is to be	increased	
9	Prevailing market price of fertilizer	Sl. No.	Fei	rtilizers			Price	(Rs. per kg)
		1 Ur		rea			11.50	
		2	DA	Р			28.50	
		3	SSF)			12.50	
		4	Otl	hers			21.50	
Source- Lo	ocal Market							
10	Availability of agricultural labour $()$			Ea	sily available			Shortage √
	Reason for shortage of agricultural labour				Suggestions to	overcon	ne the short	tage
Due to co-i	inside of 100 days work with Agril. work			Steps should b harvesting wo		ment NRE	GA before o	or after sowing and
Source- Lo	ocal Market							
11	Prevailing wage rate for casual labour in			Male			Fer	male
	agriculture (Rs./day)			225			2	25
Source- Dir	rectorate of Agriculture, Govt. of West Bengal							
12	Availability of institutional credit for		Tar	get (Rs. in Cr	ore)	Ach	ievement	(Rs. in Crore)
	agriculture in the State (2018-19)			64071		33	566 (up to	Dec 2018)
	Reason for less achievement against the targe	t			Suggestions to	overcon	ne the short	tage
6	-					-		
Source: UB	II, Head Office, Kolkatta							
13	Electricity available for irrigation pump se		of ho	urs per day)			1	۸A
Suggestion	n for improvement on more accuracy in electric	ity:						
14	Availability of farm machinery for timely so ther operations $()$	sowing, h	arve	esting and	Easily ava	ailable		Shortage √
	Reason for the shortage				Suggestions to	overcon	ne the short	tage
Availability	y is less and requirement is at a time			Steps should b farmers	e taken to increa	se supply	of farm ma	chineries to the
15	Availability of organic manure, farm-yard-vermi-compost, bio-fertilizer $()$	manure,		A	dequate √		Sł	nortage
Source: Lo	cal Market							
16	Remarks and observations	Overall	auu	d				
		Orciall	500	-				

Agro-Economic Research Centre, Andhra University, Visakhapatnam

2 N	Indicators Average Rainfall (mm)				C				
2 N	Average Rainfall (mm)		Current Status						
		1	Actual				Normal		
				14.6		26.9			
r	Number of districts received deficit	No of	dist	ricts with defic	it rainfall	ainfall Total number of dist			ricts
	rainfall in the State	3 (Ex	cess	5) 7 (Deficit), 2 (1 (Normal)	(Scanty) &	13			
Note: Excess F -99%; No Rain	Rainfall: +20% or more than Actual Rainfall; n -100%	Normal Rai	nfall:	: +19% to -19%; De	ficient Rainf	fall: -20% to	-59%;	Scanty Rainfal	l: -60% to
3 A	Area covered under major crops	Sl. No.	Cro	op Name	Actual ar	ea (lakh ha	1)	Targeted are	a (lakh ha)
		1	Pad	ddy	6	6.31		7.4	5
		2	2 Bengalgram		.78		4.4	1	
		3	Bla	ackgram	2	.89		3.5	2
		4	4 Maize		1	1.61		2.0	0
		5	5 Tobacco 0.85					1.05	
Note: Top 5	major crops considering Gross cropped	area							
	Incidence of major pests and diseases in principal crops sown $()$		Cro	Crop Name Se		Severe Modera		Low	Not at all
		1	Pad	ddy				√	
		2	Gro	oundnut				√	
		3	Cot	tton		-	1		
		4	Red	dgram		-	1		
		5	Ma	ize				√	
5 F	Farm output price of major crops	Sl.				Price (Rs. p	er qu	uintal)	Average
		No.	Cro	op Name	Janua	ry Febr	uary	March	Price (MSP)
		1	Pad	ddy Common					1750
		2	Pad	ddy Grade A					1770
		3	Ma	ize					1700
		4	Gro	oundnut					4890
		5	Gra	am					4620
Note: Conside	er major producing market								
	Seed availability in the local market for major crops (f)	SI. No.	Cr	op Name		Adequat	e	Sho	ortage
		1	Pa	ıddy		√			
		2	Pu	ılses		√			
		3	Gr	oundnut		√			
Re	eason for shortage of seed in the local man	ket			Suggestion	to overcor	ne the	shortage	

7	Prevailing market price of seed (certified) of major crops	SI. No.	Crop Name		Price (Rs. per Kg) (Sale rate of Dept.seeds)			
					Local varie	ty	Hybrid variety	
		1	Paddy		28-32.80		-	
		2	Ragi		50		-	
		3	Blackgi	am	71		-	
		4	Ground	lnut	61			
		5	Maize		77-350		-	
Remarks:	:							
8	Chemical Fertilizer(NPK) availability in	Sl. No.	Fertiliz	rtilizers Adequa		e Shortage		
	the local market $()$	1	Urea	rea √				
		2	DAP	√				
		3	SSP	P √				
		4	Others		√			
Reasc	on for shortage of chemical fertilizer in the loca	l market		Sug	ggestions to overc	overcome the shortage		
9	Prevailing market price of fertilizer	Sl. No.	Fertilize	ers		Price (Rs. per 50 kg)		
		1	Urea			5.90		
		2	DAP			28-29.70		
		3	SSP			8.40-10.50		
		4	Others				-	
10	Availability of agricultural labour $()$		Easil	Easily available		Shortage		
				$\sqrt{}$				
	Reason for shortage of agricultural labour			Sug	ggestions to overco	ome the sho	rtage	
	-				-			
11	Prevailing wage rate for casual labour in			Male		Female		
	agriculture (Rs./day)			300			150	
12	Availability of institutional credit for	Target (Rs. crore)				Achievement (Rs. crore)		
	agriculture in the state (Co-operative Bank)			42532			37868	
	Reason for less achievement against the	arget			Suggestions to o	vercome the	shortage	
	-					-		
13	Electricity availability for irrigation pump	sets (nur	mber of h	ours per day	′)		9	
uggestio	on for improvement on more accuracy in electric	ity:						
14	Availability of farm machinery for timely harvesting and other operations $()$	sowing,		Easily available √		Shortage		
	Reason for the shortage			Sug	ggestions to overce	ome the sho	rtage	
	-			303	-		3-	
15	Availability of organic manure, farm-yard- vermi-compost, bio-fertilizer (\sqrt{)}				Shortage			
	Reason for the shortage			Suc	√ ggestions to overce	ome the shortage		
	-			543	-	the silo	3-	
16	Remarks and observations							
10	nemarks and observations							

Source: AndhraPradesh Planning Department, Amaravathi, Guntur. NA implies Not Available Name of AERC: Pune

Remarks:

Quarter Covered: Jan - Mar 2019

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

State: Maharashtra

ALIC. Fulle	race. N	iai iai asiiti a		Quarter cover	cu. Jun	Mui 2017		
Indicators		Current status						
Average Rainfall (mm)		Actual	Normal					
		12.7	6.3					
No. of districts received deficit rainfall	No. of	f districts with deficit ra	Total number of districts					
in the state		33						
ss Rainfall: +20% or more than Actual Rainfall; No ain -100%	ormal Rai	nfall: +19% to -19%; Deficien	nt Rainfal	l: -20% to -59%; Sc	anty Rainfa	ll: -60% to		
Area covered under major crops	SI. No.	Crop Name		Actual area (Lakh ha)		Targeted area (Lakh ha)		
	1	Jowar		12.46		26.79		
	2	Maize		1.15		2.25		
	3	Gram		12.92	14.90			
		Safflower		0.18		0.87		
5 major crops considering Gross cropped area								
Incidence of major pests and diseases in principal crops sown ($$)	Sl. No.	Crop Name	Severe	e Moderate	Low	Not at al		
	1	Jowar				√		
	2	Maize				√		
	3	Gram		√				
	4	Safflower			√			
Farm output price of major crops	Sl. No.		Price (Rs. per quintal) Average					
		Crop Name			March	Price		
	1	Jowar	3500	3300	3200	3332		
	2	Maize	1800	1900	1750	1817		
	3	Gram	5100	5400	5600	5367		
	4	Safflower	3920	3916	3653	3830		
ider major producing market				'				
Seed availability in the local market for major crops $()$	Sl. No.	Crop Name		Adequate		Shortage		
	1	Jowar		V				
	2	Maize Gram Safflower		√				
	3			√				
	4			V				
eason for shortage of seed in the local market		Sugge	stions to	overcome the sh	ortage			
-				-				
Prevailing market price of seed (certified) of major crops	Sl. a		Price (Rs. per kg)					
	No.	сгор мате	Local variety Hybrid variety					
	Indicators Average Rainfall (mm) No. of districts received deficit rainfall in the state ss Rainfall: +20% or more than Actual Rainfall; No ain -100% Area covered under major crops Incidence of major pests and diseases in principal crops sown (√) Farm output price of major crops ider major producing market Seed availability in the local market for major crops (√) Prevailing market price of seed	Indicators Average Rainfall (mm) No. of districts received deficit rainfall in the state SS Rainfall: +20% or more than Actual Rainfall; Normal Rainfain -100% Area covered under major crops SI. No. 1 2 3 4 Famajor crops considering Gross cropped area Incidence of major pests and diseases in principal crops sown (√) Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 4 Farm output price of major crops SI. No. 1 2 3 3 4 Farm output price of major crops SI. No. 1 2 3 3 4 Farm output price of major crops SI. No. 1 2 3 3 4 Farm output price of major crops SI. No. Prevailing market price of seed in the local market price of major crops	No. of districts received deficit rainfall in the state No. of districts with deficit rainfall in the state No. of districts with deficit rainfall in the state No. of districts with deficit rainfall: +10% or more than Actual Rainfall; Normal Rainfall: +19% to -19%; Deficie ain -100%	Indicators	Indicators	Indicators		

Jowar

Maize

Gram Safflower 45

50

50

64

50

73

78

1

2

3

8	Chemical Fertilizer (NPK) availability in	Sl.No.	Fertilizers		Adequate		Shortage		
	the local market $(\sqrt{\ })$	1	Urea		√ √		-		
		2	DAP		√		-		
		3	SSP		√		-		
		4	Others		-		-		
Reaso	n for shortage of chemical fertilizer in the loca	l market		Suggestions to	to overcome the shortage				
9	Prevailing market price of fertilizer	Sl.No.	Fertilizers	ertilizers			Price (Rs. per kg)		
		1	1 Urea			5.88			
		2	DAP			28			
		3	SSP	SP			7.80		
		4	Others	Others			-		
10	Availability of agricultural labour $()$		Ea	sily available			Shortage		
				√					
	Reason for shortage of agricultural labour			Suggestions to overcome the shortage					
11	Prevailing wage rate for casual labour in agriculture (Rs./day)		Male	Male		Female			
			250 - 300			150 - 200			
12	Availability of institutional credit for		Target (Rs. in Ci	arget (Rs. in Crore)		chievement (Rs. in Crore)			
	agriculture in the State		85000	85000 58319 crore			ores disbursed as crop ance as long-term loan		
	Reason for less achievement against the targe	t	Suggestions to overcome the shortage						
					-				
13	Electricity availability for irrigation pump	ricity availability for irrigation pump sets (number of hours per day)				8			
Suggestion	n for improvement on more accuracy in electric	ity:							
14	Availability of farm machinery for timely	sowing, h	owing, harvesting and Easily availal $\sqrt{}$		ilable	le Shortage			
	other operations ($$)								
	Reason for the shortage			Suggestions to	overcome	the short	tage		
	-				-				
15 Availability of organic manure, farm-yard-ma		manure, Adequate		Shortage		hortage			
	vermi-compost, bio-fertilizer ($$)					√			
Reason for the shortage				Suggestions to overcome the shortage					
	Excess demand				-				
16	Remarks and Observations								



Agro-Economic Research Centre
Agricultural Development and Rural Transformation Centre
Institute for Social and Economic Change

Dr. V.K.R.V. Rao Road, Nagarabhavi, Bengaluru - 560 072

Phone: +91-80-23215468, 23215519; Fax: +91-80-23217008

Email: admn@isec.ac.in; website: http://www.isec.ac.in