

कृषि मौसम परामर्श बुलेटिन
Agro Meteorological Advisory Bulletin
 के लिए
for the
 छत्तीसगढ़ राज्य
State of Chhattisgarh

अवधि – 22 सितम्बर 2017 से 26 सितम्बर 2017 तक
For the period 22 September 2017 to 26 September 2017

जारी करने का दिनांक
Issued on

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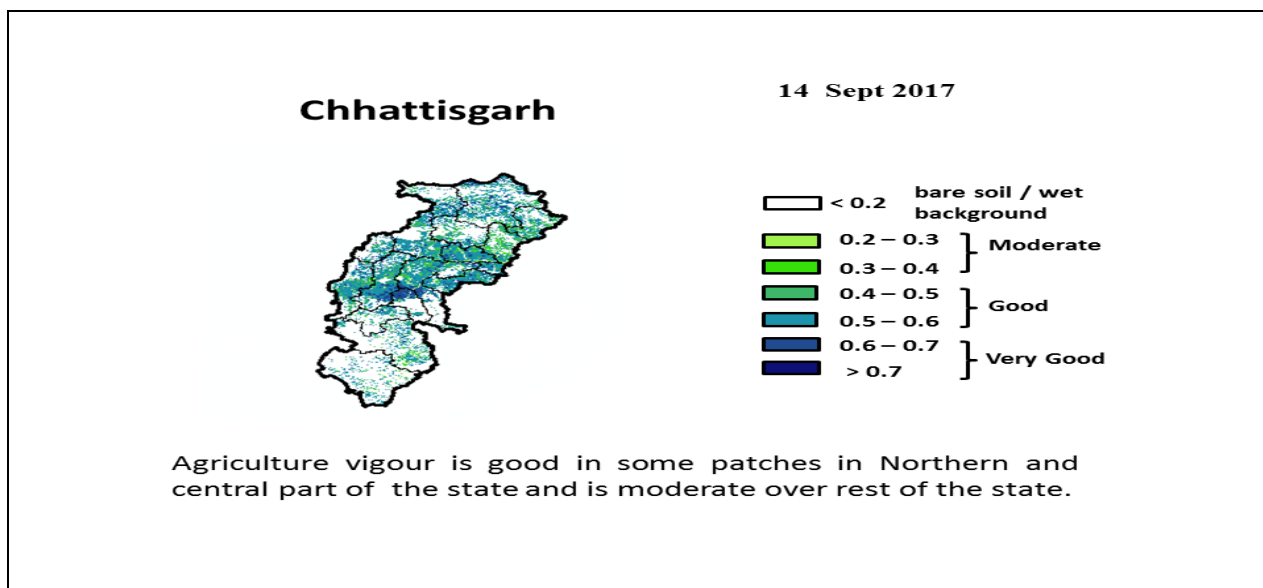
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कृषि विभाग छत्तीसगढ़ शासन
State Department of Agriculture

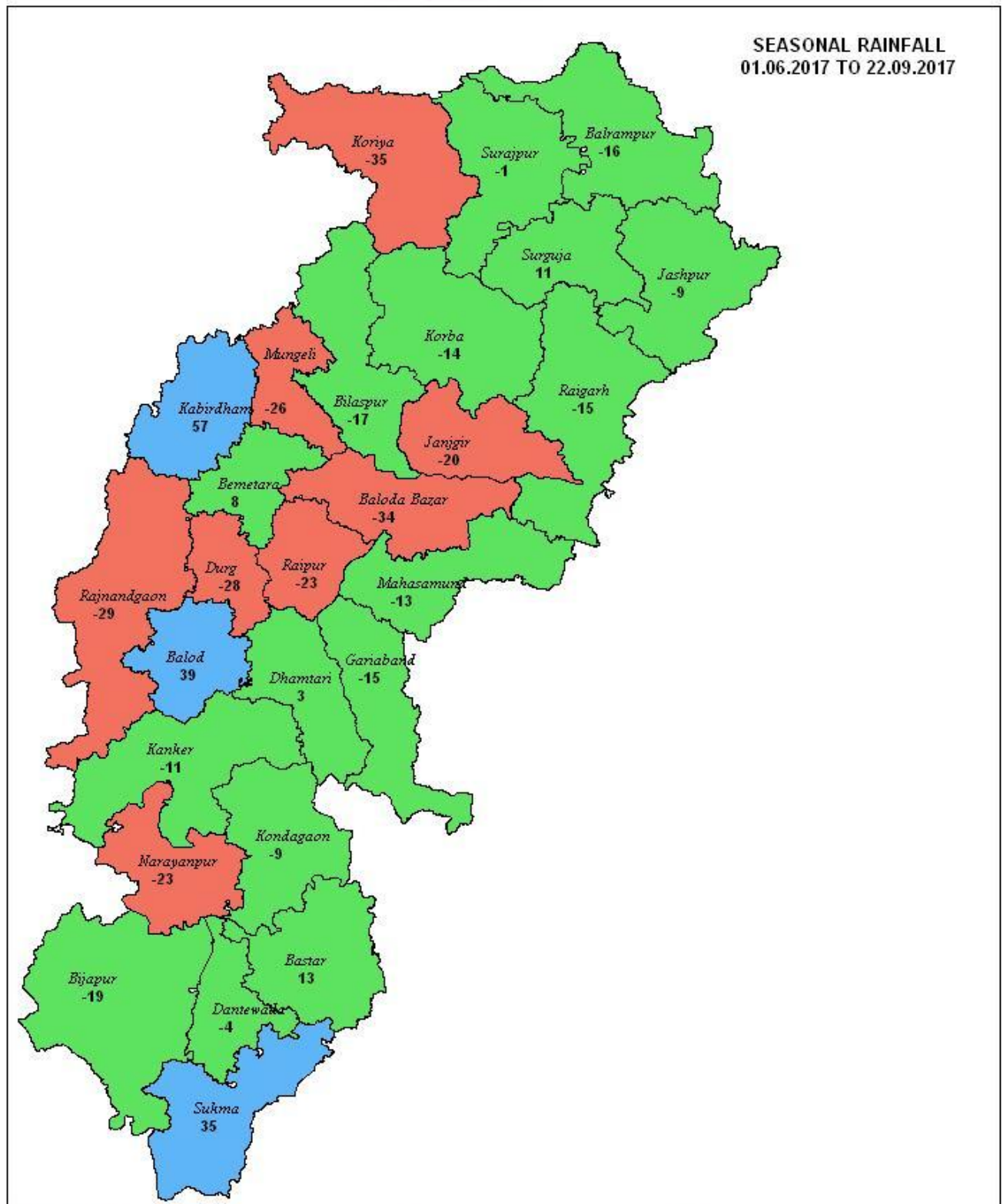
राज्य का कृषि जलवायु क्षेत्र Agro climatic Zone of State			
Sr.NO.	कृषि जलवायु क्षेत्र Agro climatic Zone	जिले Districts	कृषि मौसम क्षेत्र ईकाई Agro Met Field Unit (AMFU) location
1.	छत्तीसगढ़ का उत्तरीय पहाड़ी भाग Northern Hills Zone	सरगुजा, कोरिया ,जशपुरनगर, बलरामपुर और सुरजपुर Surguja, Korea, Jashpurnagar, Balrampur and Surajpur	अम्बिकापुर Ambikapur
2.	छत्तीसगढ़ का मैदानी भाग Chhattisgarh Plain Zone	रायपुर, कोरबा, रायगढ़, बिलासपुर चांपा-जांजगीर, कबीरधाम, दुर्ग, महासमुन्द, धमतरी, राजनांदगांव व कांकेर , बलौदाबाजार, गरियाबंद, बालोद, बेमेतरा और मुंगेली Raipur, Korba, Raigarh, Bilaspur, Janjgir-Champa, Kabirdham, Durg, Mahasamund, Rajnandgaon, Dhamtari, Kanker, Balodabazar, Gariaband, Balod, Bemetara, Mungeli.	रायपुर Raipur
3.	छत्तीसगढ़ के बस्तर का पठारी भाग Bastar Plateau Zone	बस्तर, दंतेवाड़ा, नारायणपुर ,बीजापुर कोंडागाव और सुकमा Bastar, Dantewada, Narayanpur, Bijapur, Kondagaon and Sukma	जगदलपुर Jagdalpur

NDVI MAP OF CHHATTISGARH



INDIA METEOROLOGICAL DEPARTMENT

MC RAIPUR



LEGEND: ■ EXCESS (+20% OR MORE) ■ NORMAL (+19% TO -19%) ■ DEFICIENT (-20% TO -59%)
■ SCANTY (-60% TO -99%) ■ NO RAIN [-100%] NO DATA

NOTE: Percentage Departures of Rainfall are based on operational data.

SEASONAL RAINFALL:01.06.2017 TO 22.09.2017

S.NO	NAME	ACTUAL(mm)	NORMAL(mm)	DEPARTURE(%)	CATEGORY
	STATE				
	CHHATTISGARH				
1	BALOD	1362.8	983.5	39	EXCESS
2	BALODA BAZAR	648.6	986.9	-34	DEFICIENT
3	BALRAMPUR	925.2	1099.1	-16	NORMAL
4	BASTAR	1294.4	1149.9	13	NORMAL
5	BEMETARA	1050.9	972.5	8	NORMAL
6	BIJAPUR	1080.4	1330.2	-19	NORMAL
7	BILASPUR	869.6	1048.6	-17	NORMAL
8	DANTEWADA	1156.8	1205.7	-4	NORMAL
9	DHAMTARI	1048.4	1018.3	3	NORMAL
10	DURG	709.6	983.5	-28	DEFICIENT
11	GARIABAND	898.4	1055.5	-15	NORMAL
12	JANJGIR	926.6	1159.7	-20	DEFICIENT
13	JASHPUR	1179.1	1297.5	-9	NORMAL
14	KABIRDHAM	1338	852.8	57	EXCESS
15	KANKER	1001.4	1130	-11	NORMAL
16	KONDAGAON	1041.2	1149.6	-9	NORMAL
17	KORBA	1135.8	1328.3	-14	NORMAL
18	KORIYA	722	1108.2	-35	DEFICIENT
19	MAHASAMUND	879.4	1015.1	-13	NORMAL
20	MUNGELI	781.1	1048.6	-26	DEFICIENT
21	NARAYANPUR	920	1192.9	-23	DEFICIENT
22	RAIGARH	936.9	1100.6	-15	NORMAL
23	RAIPUR	779	1013.8	-23	DEFICIENT
24	RAJNANDGAON	714.5	1000.8	-29	DEFICIENT
25	SUKMA	1498.8	1107.1	35	EXCESS
26	SURAJPUR	1097.3	1114	-1	NORMAL
27	SURGUJA	1379	1242.3	11	NORMAL
	SUBDIVISION RAINFALL	1017.1	1115.1	-9	NORMAL

Weather summary for the period: - 19.09.2017 to 22.09.2017

Chief Amount of Rainfall (cm):

19.09.2017	Kusumi 11, Raipur, Duldula 7, Mana-raipur-ap , Manendragarh 6, Bemetara , Dongargarh 5, Thankhamaria, Sahaslohara, Marvahi 4, Gunderdehi, Durg, Balod, Champa, Janjgir, Janakpur , Saraipali, Kurud, Magarlod, Berla, Lakhanpur, Bakawand, Rajpur, Akaltara 3, Ambikapur , Ramanujganj , Dhamtari 2, 1 each at many places.
20.09.2017	Kashdol 13, Dabhara, Shivrinarayan, Gunderdehi 12, Pusor, Rajnandgaon 10, Mana-raipur-ap, Dondi Duldula 8, Mahasamund , Raigarh , Deobhog, Churra , Mainpur 7, Dongargaon 7, Bemetara , Balod , Arang , Bhanupratappur , Dhamtari , Narayanpur , Simga , Katghora, Pondi 6, Pathalgaon, Kunkuri, Baramkela, Narharpur 5, Kanker , Pali , Baloda Bazar , Saraipali , Sarangarh , Ambagarh Chowki , Bilaspur , Gariabund 4, Durg , Raipur 3 each , 2,1 at many places.
21.09.2017	Dondilohara 21, Malkharoda 12 Balod 11, Gurur 9, Kartala 8, Pathalgaon, Ramanujganj 7, Dongargaon, Pithora, Rajnandgaon, Masturi, Pusor, Dharamjaygarh, Sitapur, Mainpat, Premnagar, Bagicha 6, Katghora, Ambagarh Chowki, Rajim, Dhamtari, Bilaigarh, Thankhamariya, Kharsiya, Tamnar, Kusumi 5, Bilaspur , Baikunthpur , Korba , Surajpur , Raigarh, Mohla, Pandaria, Patharia Kota, Shivrinarayan , Surajpur, Rajpur, Baikunthpur, Khadgava 4, Pendra Road , Sakti , Kawardha , Manendragarh , Gharghoda, Gunderdehi, Arang , Baghbhara , Baloda, Pondiuproda . Lailunga, Ambikapur , Lundra , Lakhanpur , Balrampur, Shankargarh, Duldula 3 each, 2,1 at many places.
22.09.2017	Ramnajnagar 6, Katghora 5, Raigarh, PendraRoad, Kota , Patharia, Mainpat, Bagicha, Rajpur 3, Palari 2 each, 1 at many places.

S.No	Station	R/F (mm)			
		19.09.2017	20.09.2017	21.09.2017	22.09.2017
1	Raipur	67.8	34.0	13.7	0.0
2	Mana AP	63.3	80.0	13.4	0.0
3	Bilaspur	8.6	38.8	43.4	1.1
4	Pendra-road	3.6	13.4	35.4	28.2
5	Ambikapur	22.0	0.6	27.0	12.4
6	Jagdapur	2.7	0.1	3.6	TRACE
7	Durg	35.4	35.2	8.8	1.4
8	Rajnandgaon	12.0	101.2	57.2	3.0

Temperature:

• Range

	Temperature (° C)	Departure (° C)
Maximum temperature	26 TO 32	-06 TO +03
Minimum temperature	22 TO 25	-02 TO +02

• Temperature

S.No	Station	19.09.2017		20.09.2017		21.09.2017	
		Max (° C)	Min (° C)	Max (° C)	Min (° C)	Max(° C)	Min (° C)
1	Raipur	30.3	23.3	25.6	23.7	31.5	24.7
2	Mana AP	30.4	23.2	25.6	23.7	32.1	24.7
3	Bilaspur	29.9	24.8	28.6	24.2	29.7	24.8
4	Pendra-road	28.3	23.1	29.7	22.9	27.0	22.6
5	Ambikapur	29.0	22.5	27.8	23.5	27.0	22.0
6	Jagdapur	29.6	23.0	28.0	23.5	30.0	22.5
7	Durg	30.4	22.6	28.2	22.2	30.6	24.4
8	Rajnandgaon	32.2	24.0	30.0	23.8	29.8	23.8

Relative humidity: RH was in the range of 68% to 100%.

Cloud amount: 05-08 Octa.

Wind Speed: Ranged between 00-20 kmph in the state during the week.

Agro climatic Zone wise Weather forecast for Chhattisgarh

छत्तीसगढ़ का उत्तरीय पहाड़ी भाग Weather forecast for Northern Hills Zone

	Surguja					Balrampur				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	2	2	5	0	0	8	3	16
Max. Temp. (°C)	27	28	28	28	27	27	28	28	28	27
Min. Temp. (°C)	23	23	24	24	23	23	23	24	24	23
Cloud Cover (Octa)	5	4	4	4	5	5	4	4	3	5
Maximum humidity (%)	95	95	95	95	95	95	95	95	95	95
Minimum humidity (%)	85	80	80	80	80	85	80	80	80	80
Wind Speed (kmph)	2	2	2	2	3	4	4	3	3	2
Wind Direction	SW	SW	SW	SE	E	S	S	S	S	S
	Surajpur					Jashpur				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	6	4	13	0	0	0	0	3
Max. Temp. (°C)	27	28	28	28	27	27	28	28	28	27
Min. Temp. (°C)	23	23	24	24	23	23	23	24	24	23
Cloud Cover (Octa)	5	4	4	3	5	5	4	4	4	5
Maximum humidity (%)	95	95	95	95	95	95	95	95	95	95
Minimum humidity (%)	85	80	80	80	80	85	80	80	80	80
Wind Speed (kmph)	3	3	2	3	2	2	2	2	2	3
Wind Direction	S	S	SW	S	SE	W	W	W	NE	NE
	Koriya									
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP					
Rainfall (mm)	0	0	3	7	9					
Max. Temp. (°C)	27	28	28	28	27					
Min. Temp. (°C)	23	23	24	24	23					
Cloud Cover (Octa)	5	4	3	3	5					
Maximum humidity (%)	95	95	95	95	95					
Minimum humidity (%)	85	85	85	85	85					
Wind Speed (kmph)	4	4	3	2	2					
Wind Direction	S	S	SW	SW	SW					

छत्तीसगढ़ का मैदानी भाग Weather forecast for Chhattisgarh Plain Zone

	Bilaspur					Mungeli				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	1	0	5	4	0	2	0	2	3
Max. Temp. (°C)	30	31	31	32	31	30	31	31	32	31
Min. Temp. (°C)	25	26	26	25	25	25	26	26	25	25
Cloud Cover (Octa)	5	4	3	4	5	5	4	4	4	5
Maximum humidity (%)	95	95	95	95	95	95	95	95	95	95
Minimum humidity (%)	85	80	80	80	80	85	80	80	80	80
Wind Speed (kmph)	3	2	4	2	2	3	2	4	2	2
Wind Direction	SW	SW	W	W	SE	SW	SW	W	W	SE

	Raigarh					Korba				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	0	0	2	0	0	0	4	4
Max. Temp (°C)	30	31	31	32	31	30	31	31	32	31
Min. Temp. (°C)	25	26	26	25	25	25	26	26	25	25
Cloud Cover (Octa)	5	4	4	3	3	5	4	3	4	5
Maximumhumidity (%)	95	95	95	95	95	95	95	95	95	95
Minimum humidity (%)	85	80	80	80	80	85	80	80	80	80
Wind Speed (kmph)	2	3	2	3	3	2	2	2	3	2
Wind Direction	SW	SW	W	S	E	SW	SW	SW	SW	SE
	Janjgir					Rajnandgaon				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	0	0	2	0	2	7	0	0
Max. Temp (°C)	30	31	31	32	31	30	31	31	31	30
Min. Temp (°C)	25	26	26	25	25	24	25	25	25	24
Cloud Cover (Okta)	5	4	3	4	3	6	3	4	4	5
Maximum humidity (%)	95	95	95	95	95	85	85	85	85	80
Minimum humidity (%)	85	80	80	80	80	75	75	75	75	75
Wind Speed (kmph)	3	2	2	3	2	0	0	0	0	0
Wind Direction	SW	SW	W	W	E	0	0	0	0	0
	Kabirdham					Durg				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	3	2	1	2	0	3	7	0	2
Max. Temp (°C)	32	33	33	33	32	31	32	32	32	31
Min. Temp. (°C)	25	26	26	26	25	25	26	26	26	25
Cloud Cover (Okta)	5	4	3	4	5	5	4	4	4	5
Maximum humidity (%)	93	92	91	90	90	91	88	89	84	82
Minimum humidity (%)	85	80	80	80	80	74	70	70	70	70
Wind Speed (kmph)	6	7	8	8	5	6	5	6	6	4
Wind Direction	SW	W	W	W	SW	SW	SW	W	W	SW
	Balod					Bemetara				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	7	0	0	0	3	3	0	2
Max. Temp. (°C)	31	32	32	32	31	31	32	32	32	31
Min. Temp (°C)	25	26	26	26	25	25	26	26	26	25
Cloud Cover (Okta)	5	3	4	4	5	5	4	4	4	5
Maximum humidity (%)	90	87	88	84	79	90	88	88	85	84
Minimum humidity (%)	73	70	70	70	70	74	74	70	70	70
Wind Speed (kmph)	6	6	6	7	3	5	5	6	5	5
Wind Direction	SW	SW	W	W	SW	SW	SW	W	W	S
	Raipur					Mahasamund				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	2	0	2	0	0	0	0	0
Max. Temp. (°C)	32	33	33	33	32	32	33	33	33	32
Min. Temp (°C)	25	26	26	26	25	25	26	26	26	25
Cloud Cover (Okta)	5	4	4	4	5	5	4	3	4	5
Maximum humidity (%)	90	90	90	90	90	90	90	90	90	90
Minimum humidity (%)	80	75	75	75	75	80	75	75	75	75
Wind Speed (kmph)	6	5	7	6	4	6	5	7	6	3
Wind Direction	SW	SW	SW	W	SE	SW	SW	SW	SW	E

	Balodabazar					Gariyaband				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	1	0	2	0	0	0	0	4
Max. Temp (°C)	32	33	33	33	32	32	33	33	33	32
Min. Temp. (°C)	25	26	26	26	25	25	26	26	26	25
Cloud Cover (Okta)	5	4	3	4	5	5	4	3	4	5
Maximum humidity (%)	90	90	90	90	90	92	90	90	90	90
Minimum humidity (%)	80	75	75	75	75	80	75	75	75	75
Wind Speed (kmph)	6	5	7	5	4	5	5	6	6	5
Wind Direction	SW	SW	W	W	E	SW	SW	SW	SW	S
	Dhamrati					Kanker				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	3	0	0	0	0	3	0	0
Max. Temp. (°C)	32	33	33	33	32	32	33	33	33	32
Min. Temp (°C)	25	26	26	26	25	25	26	26	26	25
Cloud Cover (Okta)	5	4	4	4	5	5	4	4	4	5
Maximum humidity (%)	92	90	90	90	90	93	90	92	90	90
Minimum humidity (%)	69	75	75	75	75	80	75	75	75	75
Wind Speed (kmph)	6	6	6	7	5	3	4	4	4	4
Wind Direction	SW	SW	SW	W	SW	S	SW	SW	W	SW

**छत्तीसगढ़ के बस्तर पठारी भाग का
Weather forecast for Bastar Plateau Zone**

	Baster					Dantewada				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	2	0	0	0	0	6	28	17
Max. Temp (°C)	30	30	30	31	30	30	30	30	31	30
Min. Temp. (°C)	23	23	23	23	22	23	23	23	23	22
Cloud Cover (Octa)	6	4	4	3	5	5	4	4	7	7
Maximum humidity (%)	95	90	95	95	95	95	90	95	95	95
Minimum humidity (%)	70	65	65	65	65	70	70	70	70	70
Wind Speed (kmph)	3	4	4	4	3	2	2	3	2	2
Wind Direction	SW	SW	NW	NW	S	SE	S	W	W	SE
	Bijapur					Narayanpur				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	3	3	5	2	0	0	3	0	0
Max. Temp. (°C)	30	30	30	31	30	30	30	30	31	30
Min. Temp. (°C)	23	23	23	23	22	23	23	23	23	22
Cloud Cover (Octa)	5	4	4	4	4	5	4	4	4	4
Maximum humidity (%)	95	90	95	95	95	95	90	95	95	95
Minimum humidity (%)	70	65	65	65	65	70	65	65	65	65
Wind Speed (kmph)	2	2	3	3	2	2	3	3	3	2
Wind Direction	E	SE	NW	NW	SE	SE	SE	W	W	SE

	Kondagaon					Sukma				
	23 SEP	24 SEP	25SEP	26 SEP	27 SEP	23 SEP	24 SEP	25SEP	26 SEP	27 SEP
Rainfall (mm)	0	0	2	0	0	0	0	5	22	13
Max. Temp (°C)	30	30	30	31	30	30	30	30	31	30
Min. Temp. (°C)	23	23	23	23	22	23	23	23	23	22
Cloud Cover (Octa)	5	4	4	4	4	5	4	4	7	7
Maximum humidity (%)	95	90	95	95	95	95	90	95	95	95
Minimum humidity (%)	70	65	65	65	65	70	65	65	65	65
Wind Speed (kmph)	4	4	4	4	3	2	2	2	2	2
Wind Direction	SW	SW	W	W	S	E	S	SW	W	S

कृषि जलवायु क्षेत्रानुसार – कृषि / कृषि मौसम परामर्श
Agro climatic Zone wise Agricultural/Agro meteorological Advisories

छत्तीसगढ़ का उत्तरीय पहाड़ी भाग
Northern Hills Zone
(Surguja, Korea, Balrampur, Surajpur and Jashpurnagar district)

- Looking to the light rains recorded farmers are advised to store the water and more water out from the rice field.
- Short duration rice is in flowering stage and if 50% of flowing may occur then farmers are advised for application of third does of Nitrogen fertilizer.
- In the current weather condition, give proper attention to disease and pest management in the standing paddy crop.
- Under present hot and humid weather condition blast in rice may occur. Hence farmers are advised to keep watch over the crop and if the incidence is more spraying of Tricyclazole @6 g/10 litre of water or Saaf @ 1 ml/litre of water is advised in open weather condition.
- Looking to the present weather condition, farmers are advised for monitoring of the stem borer in their paddy fields. In case of heavy incidence of stem borer farmers are advised for application of Carbofuran@ 33 kg/ha. or Fartera@ 10 kg/ha. Please note that after the treatment water in the field should not be drained out at least 2-3 days.
- Infestation of Gandhi bug insects is taking place in rice crop, which are in panicle initiation to milking stage. Where infestation is observed, application of Folidol dust@10-15 kg per hectare is advised in the affected crop in the early morning or in the late afternoon hours. In absence of insecticide, farmers may also use/dust the coal or wood ash mixed with kerosin oil.
- In areas where, rains are not sufficient and kharif crop is not economically viable. It is suggested that plough the field and be ready for sowing rabi crops.
- In sugarcane crop, *pyrilla* insect is being observed if the insect is being observed then proper drainage should be followed and avoid use of Nitrogenous fertilizer. Biological control is heavy effective and *Epiricania* predator is highly effective. Light trap can also be used for its control.

- Try to finish the sowing of horsegram and niger.
- At present farmers may raise the seedlings of winter vegetables like cauliflower, cabbage, chilli, tomato, brinjal etc. Seeds should be treated with fungicide before sowing.
- In September months goats & sheep should be given Enteroctosimia Vaccin at the age of 6-10 weeks to lambs the disease vaccine.
- Don't keep the large number of animals in the shed arrange the proper place for each animal and make the air condition shed.
- Provide concentrate feed to milch animals mix with dry and green fodder and insure for enrich diet having protein, carbohydrate, fat, vitamins etc.

छत्तीसगढ़ का मैदानी भाग

Chhattisgarh Plain Zone

(Raipur, Korba, Raigarh, Bilaspur, Mungeli, Janjgir-Champa, Kabirdham, Durg, Balod, Bemetara, Mahasamund, Balodabazar, Gariyaband, Rajnandgaon, Dhamtari & Kanker districts)

General

1. Upon observation of yellow stem borer in the fields, leaves with egg groups should be removed and destroyed. The plants where dead heart has been formed, should be taken out from the plants so that caterpillars are destroyed.
2. For monitoring of stem borer in rice crop, Pheromone trap should be used @ 2-3 nos. per acre and @ 8-10 nos. per acre for controlling insects.
3. In rice crop, hoppers and stem borer should be monitored.
4. In those regions where rice crop has been damaged to the tune of 70 per cent, farmers are advised to prepare their field plans for rabi season. Farmers should ensure availability of seeds, fertilizers and other agricultural inputs for sowing of rabi crops like chickpea, wheat, linseed, toria, maize, vegetables, moong, urad and other forage crops etc. The sowing should be completed in the month of October as per facilities available. For this farmers should take the benefit of govt. subsidies.
5. Weeding and intercultural operations will also be beneficial in the other pulses and oilseed crops.

Fruits & Vegetables

1. Fertigation of fertilizers (19:19:19 mixed fertilizer) should be done through drip irrigation system.
2. Sowing of appropriate varieties of vegetables like turnip and carrot should be done for preparation of nursery.
3. This is the appropriate timing of pruning of fruit plantation viz., pomegranate and fig.
4. Cucurbitaceous vegetables particularly pointed gourd (Parval) is vulnerable to fruit rotting and drying. Fields should be kept clean and Metalaxyl+ mancozeb @2.5 grams per litre should be sprayed or copper oxychloride COC @ 4 gram per litre should be sprayed.

5. For avoiding the fruit shedding in papaya crop, Nephthalene Acetic Acid (NAA) should be sprayed @ 20 ppm.

Animal husbandry:

1. Poultry farmers who are following deep litter method, poultry beds should be turned upside down during rainy season. Damped type beds should not be used.
2. For protection from damping, poultry beds should be mixed with 2-3 kg.lime/sq.ft.
3. Cattle shed and poultry beds should be kept under running fan condition so that saturated and suffocated air should go out of the poultry sheds. This will facilitate clean and fresh air in the poultry sheds.

छत्तीसगढ़ के बस्तर का पठारी भाग

Bastar Plateau Zone

(Bastar, Dantewada, Narayanpur, Kondagaon, Bijapur and Sukma districts)

<u>Seed treatment</u>	<ul style="list-style-type: none"> ➤ Non Systemic fungicide- From this group of fungicide the fungus found on the seed get destroyed Example- Thairum, Captan, Daithen M-45. Use any of fungicide @ 3 gram per kg of seed for treatment. ➤ Systemic Fungicide- Such type the fungicide inter the seed and destroyed the fungus. It also provide protection of the seeds up to 15-20 days from fungal attack. Example - Vitavax/ Bavistine 2 to 3 gram per kg of seed for treatment. ➤ For seed treatments several bioagent such as trichoderma harzeanum and trichoderma viridi 6-8 gm per kg of seed. if necessary than use pseudomonas fluocens may also be used for treatments.
<u>Tuber Crops</u>	<ul style="list-style-type: none"> ➤ Arrangement of drainage channel in the field of tuber crops should be done during this period. ➤ Intercultural operations and application of remaining dose of fertilizer should be apply on diascorea alata, D. bulbifera, Cassava, Sweet potato, and Tikhur.
<u>Vegetable Crops</u>	<ul style="list-style-type: none"> ➤ Water management should be done for the management of stem rot or foot rot or root rot diseases in various vegetable e.g. tomato, brinjal, cucurbitaceous crop and lady finger etc. ➤ Bavistin or Mancozeb 1-1.5 g or Bavistin + Mancozeb 1.5-2 g/liter water should be applied for the control of nursery diseases like damping off in various vegetables. ➤ For lady finger yellowing in early stage is notice. If yellowing is in limited port than remove the plant and burn them. Further for severe infestation spray dimethoyate 30 E.C. @ 1.5 m.lit/lit in morning or evening hours.
<u>Kharif Crop</u>	<ul style="list-style-type: none"> ➤ Prepare the nursery for rabi vegetable's. ➤ In some area false smut in visible in rice field for control the same spray copper oxychloride @ 2gm per liter of water. ➤ The infestation of leaves of niger is noticed for control the same spray chlorpyriphos @ 1.5 ml/lit of water. ➤ After harvesting of early duration of rice verity ,prepare the field for sowing for toria. ➤ Since last five days 95.1 mm. rainfall was received. Stored the water for the utilization during rabi crops. ➤ Spray for control of blast in ragi crop according to stage appeared viz if in early leave stage carbandagin (0.1%) or mencozeb (0.2%) or tricycalazol 0.06%, while at 50% flowering stage second spraying. Further, if appeared at neck or grain spray at 10 days interval.

- Make weeds free from the paddy field and apply second dose of Nitrogen Urea as a source
- For the control of swarming cater pillar- protexophos + cypermethrin @ 1.5ml/lit.
- Apply chlorpyriphos @ 2ml/li. for the control of careworm and leaf folder.
- Spraying of Tricyclazole @ 0.6gm/lit for the control of Blast.

Fertilizers recommendation for different duration varieties

No.	Duration	Nitrogen(kg/h)	Phosphorus (kg/h)	Potash (kg/h)
1	80 - 100	40-60	20 - 40	10 & 15
2	101 - 125	60-80	30 - 40	15-20
3	126 ls 140	80-100	40-50	20-25
4	141			
	➤ Dwarf variety	80-100	40-50	20-25
	➤ Tall variety	40-60	20-30	10-15

- Keep 5-7 cm water in rice field for better growth and suppress the weeds.
- Prepare nursery for papaya and custard apple.
- V-4, Indira Kaju-1 varieties are recommended for grafted kaju planting.

Animal Husbandry

- Supplement the wormicide medicine in feed of poultry birds at a regular interval of 3 months.
- Try to mentioned dry cattle sheds to prevent from disease.