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Year: 10
 Date 15/09/17

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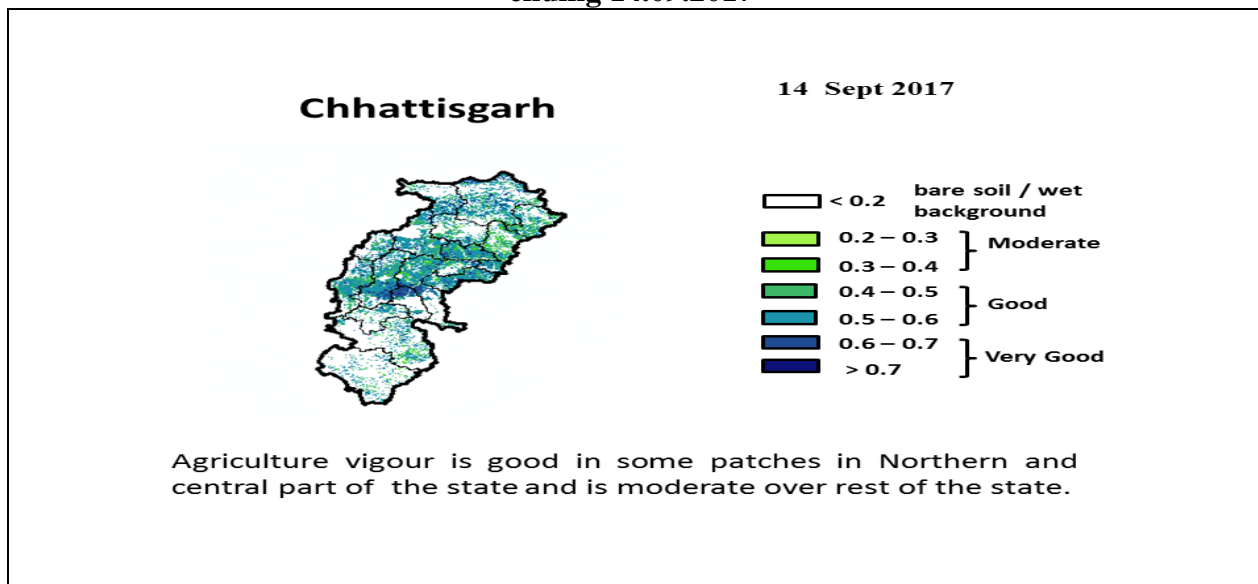
(Project Sponsored by IMD, Ministry of Earth Sciences)

Weather recorded between 09-15 September 2017 at Agromet Observatory, R.M.D. CARS, Ambikapur

As per the observations recorded at Agromet Observatory, R.M.D. CARS, Ajirma, Ambikapur, the weather condition of the station during last week was Cloudy sky and bright sunshine hours ranged from 2.1-6.0 hours. The average maximum and minimum temperatures during this week were 30.9°C and 23.0°C, respectively. The average wind speed and evaporation rate recorded during this period were 2.5 kmph and 3.1 mm. per day, respectively. During the morning hours, the average relative humidity and soil temperature at 5,10 cm. and 20 cm. depth were **94** percent, 25.2°C, 25.6°C and 25.8°C, whereas, the values during afternoon were **71** percent, 37.5°C, 34.0°C and 32.0°C, respectively.

Date	T. Max (°C)	T. Min (°C)	Rainfall (mm)	Relative humidity (%)		Wind speed (kmph)	Sun-shine (hr)	Evap-oration (mm)
				Morning	Evening			
09 Sep. 17	31.2	23.2	0.7	89	63	2.7	5.6	3.6
10 Sep. 17	32.8	22.7	1.2	93	68	3.0	6.0	3.8
11 Sep. 17	31.8	24.0	0.0	95	75	1.5	3.9	3.4
12 Sep. 17	30.0	22.8	1.2	93	70	2.0	5.1	3.2
13 Sep. 17	31.5	22.6	0.0	95	67	2.0	2.1	2.7
14 Sep. 17	31.5	22.6	0.0	93	81	1.5	3.6	2.7
15 Sep. 17	27.8	23.0	0.0	98	72	4.6	4.1	2.6
Total	30.9	23.0	3.1	94	71	2.5	4.3	3.1

Normalized Difference Vegetation Index (NDVI) Map for Chhattisgarh state for week ending 14.09.2017



**Medium Range Weather Forecast
For District: Ambikapur**

Forecast received from IMD

Weather parameters	16 Sep.	17 Sep.	18 Sep.	19 Sep.	20 Sep.	Remarks
Rainfall (mm)	05	07	07	04	05	Possibility of light rainfall during this period.
Maximum Temperature (°C)	32	33	33	33	33	Maximum temperature will remain between 32-33°C and the minimum around 25-26°C during this period
Minimum Temperature (°C)	25	25	25	26	26	
Cloud Cover (Octa)	5	6	7	7	7	Partially cloudy sky
Maximum humidity (%)	95	95	90	95	95	
Minimum humidity (%)	65	65	60	65	65	
Wind Speed (kmph)	0	0	2	2	5	
Wind Direction	SE	SE	SE	SE	SW	

Agro-Advisory for the farmers

- 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 flowering may occur then farmers are advised for application of third dose 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 Entoroctosimia 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.

**Nodal Officer
Agro-Meteorology**