



Year: 26, No. 74

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**Integrated Agromet Advisory Services**  
**(Project Sponsored by India Meteorological Department)**  
**District: Raipur**

**Weather parameters recorded 06-Sep. to 012-Sep. 2017 at Agromet-Observatory, IGKV Raipur.**

Date	Maximum Temp. (°C)		Minimum Temp. (°C)		Rainfall (mm)		Relative Humidity (%)		Wind Speed Kmph	Evapo ration (mm)	Sun Shine (hrs)	Soil Temp. (°C) 5 cm depth (°C)	
	2017	Norm	2017	Norm	2017	Norm	Max	Min				07:00 hr	14:00 hr
09-Sep.	32.2	30.5	26.0	24.0	0.0	7.5	87	71	3.9	2.7	2.2	28.0	35.6
10-Sep.	32.8	30.9	25.2	24.0	2.6	6.1	95	69	3.4	2.1	4.1	27.6	37.0
11-Sep.	33.0	30.4	24.0	23.8	0.4	10.8	88	78	1.9	3.6	6.4	29.2	35.0
12-Sep.	32.4	30.4	25.5	23.8	16.4	13.9	92	92	2.7	3.6	2.8	27.8	31.5
13-Sep.	32.0	30.6	24.6	23.8	3.6	11.3	95	72	3.0	2.9	3.9	27.2	35.0
14-Sep.	32.8	30.8	24.0	24.1	16.2	6.5	96	79	3.9	5.2	2.2	26.8	32.0
15-Sep.	30.0	30.9	25.0	23.9	2.2	4.9	95	66	3.3	2.7	1.2	27.0	38.0
	<b>32.2</b>	<b>30.6</b>	<b>24.9</b>	<b>23.9</b>			<b>93</b>	<b>77</b>	<b>3.2</b>	<b>3.3</b>	<b>3.3</b>	<b>27.7</b>	<b>34.4</b>
					<b>41.4</b>	<b>61.0</b>							

As per the observations recorded at Agromet Observatory, IGKV, Raipur Maximum temperature varied between 30.0°C to 33.0°C as against the normal of 30.6°C. Similarly minimum temperature varied between 24.0°C to 26.0°C as against the normal of 23.9°C. Fluctuations in other weather parameters were also reported during the week. Bright sunshine hour during this period varied between 1.2 to 6.4 hours/day. Average wind speed and evaporation for the week remain 3.2 kmph and 3.3 mm/day, respectively.

***Medium Range Weather Forecast received from, IMD, Raipur***

Weather parameters	16-Sept.	17-Sept.	18-Sept.	19-Sept.	20-Sept.
Rainfall (mm)	6	2	8	15	8
Maximum Temperature(°C)	32	33	33	33	32
Minimum Temperature (°C)	25	25	25	26	26
Cloud Cover (Octa)	5	5	7	7	7
Maximum humidity (%)	90	90	90	90	93
Minimum humidity (%)	65	65	65	70	70
Wind Speed (kmph)	2	2	3	4	4
Wind Direction (Deg)	SW	SW	W	W	W

## *Agro-advisories*

### **General**

1. In those areas where rainfall has been deficit and rice cropping has not been possible, farmers are advised to go for sowing of the Kulthi (Horsegram), moong, urad, toria, maize, sunflower, vegetables and forage crops.
2. In rice crop, hoppers and stem borer should be monitored. If stem borer pyrilla is more than one/sq.m. then Carbofuran @ 33 kg. or Fartera @ 10 kg./ha should be broadcast.
3. 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.
4. Phorate insecticide should not be used for Brown Plant Hopper infested rice fields. For control of BPH, Imidachloprid 125 m or Ithipros+ Imidacholprid @ 150 ml insecticide should be sprayed in 200 litres water/ acre.
5. 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.

### **Fruits & Vegetables**

1. 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.
2. For avoiding the fruit shedding in papaya crop, Nephthalene Acetic Acid (NAA) should be sprayed @ 20 ppm.
3. June planted drumstick crop or last year planted mango should be pruned for giving a straight shape.
4. Pruning work in fruit trees plantation should be completed at the earliest.
5. Mid-duration cauliflower vegetable plantation should be completed. Fungicide and systemic insecticide root treatment should be done before planting.

### **Animal husbandry:**

1. Don't keep the large number of animals in the shed arrange the proper place for each animal and make the air condition shed.
2. Due to high temperature and humidity dehydration there can be problems in animals. Therefore the animals more drinking of salty water. Dairy shed should be dry and clean.
3. In September months goats & sheep should be given Enteroctosimia Vaccin at the age of 6-10 weeks to lambs the disease vaccine.

*Sr. Scientist  
(Agromet)*