



**इंदिरा गांधी कृषि विश्वविद्यालय**  
**Indira Gandhi Krishi Vishwavidyalaya**  
**शहीद गुंडाधूर कृषि महाविद्यालय एवं अनुसंधान केन्द्र**  
**Shaheed Gundadhoor College of Agriculture & Research Station**



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No. /SG CARS/ 2017-18/GKMS

Jagdalpur, 22 Sep, 2017

**Weather recorded from 19 to 22 Sep 2017 at Agromet-Observatory, SGCARS Jagdalpur**

Rainfall (mm)	<b>4.1</b>
Max. temperature (°C)	<b>27.7 - 29.8</b>
Minimum Temperature (°C)	<b>22.6 - 23.9.</b>
Relative humidity (%)	<b>71 - 95</b>
Wind speed (kmph)	<b>5.4 - 7.3</b>

During the last week, rainfall recorded in Agrometeorological observatory was 4.1 mm. Maximum temperatures varied between 27.7 - 29.8°C. Minimum temperature varied between 22.6 - 23.9°C. Relative humidity varied between 71 - 95 per cent Wind speed varied between 5.4 to 7.3kmph.

**Medium Range Weather Forecast****Agro Advisory services bulletin for Bastar Plateau Zone (23 to 27 Sep 2017) Weather forecast of District Sukma**

Weather parameters	Weather forecast				
	Day 1 23_Sep	Day 2 24_Sep	Day 3 25_Sep	Day 4 26_Sep	Day 5 27_Sep
Rainfall mm.	<b>0</b>	<b>0</b>	<b>5</b>	<b>22</b>	<b>13</b>
Max. Temperature (°C)	30	30	30	31	30
Min. Temperature (°C)	23	23	23	23	22
Cloud amount (%)	62.5	50	50	87.5	87.5
Relative humidity (%)	95/70	90/65	95/65	95/65	95/65
Wind speed kmph and direction	2/E	2/S	2/SW	2/W	2/S

***Forecast as received from Met Centre IMD, Raipur***

As per weather forecast received from RMC, India Meteorological Department, Raipur in the coming 5 days in Bastar districts, there will be rainfall from 23-27 Sep to 5-22mm. Cloud amount will be 50-87.5%. Maximum temperature will vary between 30-31°C and minimum temperature will vary between 22-23°C. Relative humidity will vary 65 to 95 percent. Wind speed will be about 2-2kmph and wind direction will be south-westerly/easterly.

## Agro Advisories services in Bastar districts

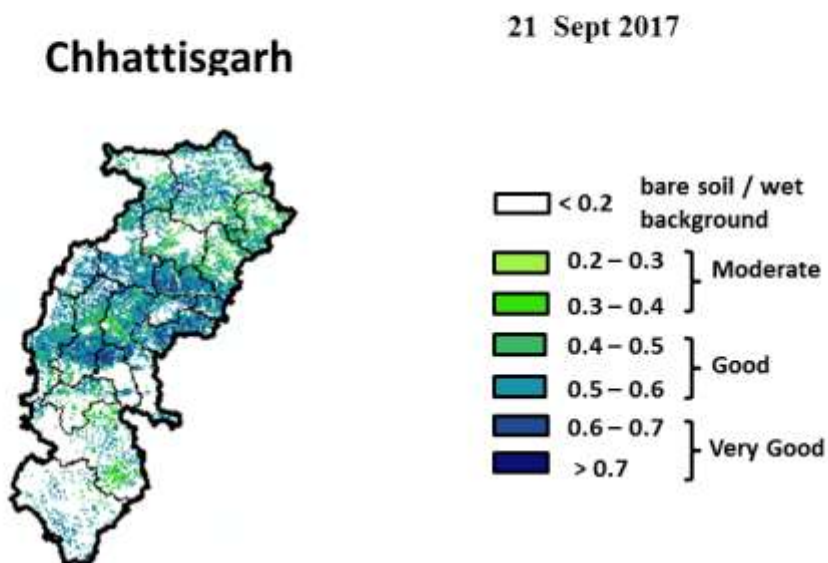
<b>Seed treatment</b>	<ul style="list-style-type: none"> <li>➤ Non Systemic fungicide- From this group of fungicide the fungus found on the seed get destroyed Example- Thairum, Captan, Daithen M-45. Use any of fungicide @ 3 gram per kg of seed for treatment.</li> <li>➤ Systemic Fungicide- Such type the fungicide inter the seed and destroyed the fungus. It also provide protection of the seeds up to 15-20 days from fungal attack. Example - Vitavex/ Bavistine 2 to 3 gram per kg of seed for treatment.</li> <li>➤ For seed treatments several bioagent such as trichoderma harzeanum and trichoderma viridi 6-8 gm per kg of seed. if necessary than use pseudomonas flurocens may also be used for treatments.</li> </ul>																																	
<b>Kharif crops</b>	<ul style="list-style-type: none"> <li>➤ <b>Prepare the nursery for rabi vegetable's.</b></li> <li>➤ <b>In some area false smut in visible in rice field for control the same spray cupper oxychloride @ 2gm per liter of water.</b></li> <li>➤ <b>The infestation of leaves of niger is noticed for control the same spray chlorpyriphos @ 1.5 ml/lit of water.</b></li> <li>➤ After harvesting of early duration of rice verity ,prepare the field for sowing for toria.</li> <li>➤ Since last five days 95.1 mm. rainfall was received. Stored the water for the utilization during rabi crops.</li> <li>➤ 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.</li> <li>➤ Make weeds free from the paddy field and apply second dose of Nitrogen Urea as a source.</li> <li>➤ For the control of swarming cater pillar - protexophos + cypermethrin @ 1.5ml/lit.</li> <li>➤ Apply chlorpyriphos @ 2ml/li. for the control of caseworm and leaf folder.</li> <li>➤ Spraying of Tricyclazole @ 0.6gm/lit for the control of Blast.</li> </ul> <p style="text-align: center;"><b>Fertilizers recommendation for different duration varieties</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 5%;">no.</th> <th style="width: 30%;">Duration of rice crop</th> <th style="width: 20%;">Nitrogen (kg/h)</th> <th style="width: 20%;">phosphorus (kg/h)</th> <th style="width: 25%;">Potash (kg/h)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>80 - 100</td> <td>40 - 60</td> <td>20-40</td> <td>10-15</td> </tr> <tr> <td>2</td> <td>101 - 125</td> <td>60-80</td> <td>30-40</td> <td>15-20</td> </tr> <tr> <td>3</td> <td>126 ls 140</td> <td>80-100</td> <td>40-50</td> <td>20-25</td> </tr> <tr> <td rowspan="3">4</td> <td>141</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding-left: 20px;">➤ Dwarf variety</td> <td>80-100</td> <td>40-50</td> <td>20-25</td> </tr> <tr> <td style="padding-left: 20px;">➤ Tall variety</td> <td>40-60</td> <td>20-30</td> <td>10-15</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>➤ Keep 5-7 cm water in rice field for better growth and suppress the weeds.</li> <li>➤ Prepare nursery for papaya and custard apple.</li> <li>➤ V-4, Indira Kaju-1 varieties are recommended for grafted kaju planting.</li> </ul>	no.	Duration of rice crop	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
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<b>Tuber Crops</b>	<ul style="list-style-type: none"> <li>➤ Arrangement of drainage channel in the field of tuber crops should be done during this period.</li> <li>➤ Intercultural operations and application of remaining dose of fertilizer should be apply on diascorea alata, D. bulbifera, Cassava, Sweet potato, and Tikhur.</li> </ul>																																	
<b>Vegetable Crops</b>	<ul style="list-style-type: none"> <li>➤ 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.</li> <li>➤ Bavistin or Mancozeb 1-1.5 g or Bavistin + Mancozeb 1.5-2 g/liter water should</li> </ul>																																	

	<p>be applied for the control of nursery diseases like damping off in various vegetables.</p> <p>➤ 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.</p>
<b>Animal Husbandry</b>	<p>➤ Supplement the wormicide medicine in feed of poultry birds at a regular interval of 3 months.</p> <p>➤ Try to mentioned dry cattle sheds to prevent from disease.</p>

*Sponsor: Ministry of Earth Sciences, New Delhi.*

*Co-ordination: All India Co-ordinated Research Project on Dryland Agriculture, Hyderabad*

**DEAN**



Agriculture vigour is good in some patches in Northern and central part of the state and is moderate over rest of the state.