



No. /SG CARS/ 2017-18/

Jagdalpur, 19 May, 2017

**Weather recorded from 16 to 19 May 2017 at Agromet-Observatory, SGCARS
 Jagdalpur**

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|--------------------------|-------------|
| Rainfall (mms) | 0.0 |
| Max. temperature (°C) | 39.3 - 41.7 |
| Minimum Temperature (°C) | 24.5 - 26.5 |
| Relative humidity (%) | 25 - 73 |
| Wind speed (kmph) | 3.1 - 6.6 |

During the last week, rainfall recorded in Agrometeorological observatory was 0.0mm. Maximum temperatures varied between 39.3 -41.7°C. Minimum temperature varied between 24.5– 26.5°C. Relative humidity varied between 25 - 73 per cent. Wind speed varied between 3.1 to 6.6 kmph.

Medium Range Weather Forecast

Agro Advisory services bulletin for Bastar Plateau Zone (20 to 24 May2017)

Weather forecast of District Narayanpur

| Weather parameters | Weather forecast | | | | |
|-------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| | Day 1 20_May | Day 2 21_May | Day 3 22_May | Day 4 23_May | Day 5 24_May |
| Rainfall mms | 0 | 0 | 0 | 0 | 0 |
| Max. Temperature (°C) | 42 | 41 | 41 | 41 | 40 |
| Min. Temperature (°C) | 27 | 27 | 28 | 28 | 28 |
| Cloud amount (%) | 37.5 | 37.5 | 37.5 | 50 | 50 |
| Relative humidity (%) | 60/30 | 60/30 | 60/30 | 60/30 | 60/30 |
| Wind speed kmph and direction | 3/S | 2/S | 2/S | 4/SW | 3/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 no rainfall. Cloud amount will be 37.5-50%. Maximum temperature will vary between 40-42°C and minimum temperature will vary between 27-28°C. Relative humidity will vary 30 to 60 percent. Wind speed will be about 2-4kmph and wind direction will be south-westerly.

Agro Advisories services in Bastar districts

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| Seed treatment | <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 - Vitavex/ Bavistine 2 to 3 gram per kg of seed for treatment. |
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Kharif crops**For midland situation of improved varieties of rice and there characteristic**

| Type of soil | Varieties | Duration | Yield (q/ha.) | Description |
|------------------------------|-----------------------------------|----------|---------------|--|
| Kharif crop | | | | |
| Varieties up to 10 years | | | | |
| | Indira Barani Dhan-1* | 111-115 | 35-45 | Medium size grain ,suitable for shallow midland situation . medium tolerance to drought and tolerant to steam borer . |
| | Samleshwari* | 105-112 | 35-45 | Early duration ,semi dwarf thin grain, gall midge resistant ,blast tolerant, suitable for direct sowing and drought tolerant . |
| | I.R.-64 Drawout | 115-120 | 40-45 | Dwarf, long thin gain, drought resistant |
| | Chandrasahini* | 120-125 | 40-45 | Semi dwarf |
| | Indira Erobike | 115-120 | 45-50 | Suitable for arobic (need based irrigation), resistant to neck and leaf rot |
| | Karna Mashuri* | 125-130 | 45-50 | Semi dwarf, medium thin grain and resistant gall midge . |
| | IGKV R.-1* (Indira Rajeshwari) | 120-125 | 45-50 | Semi dwarf Long bold grain, suitable for poha and murmura , medium resistant to leaf blight ,gall midge and brown spot . |
| | IGKV R.-2* (Indira Durgeshwari) | 125-135 | 45-50 | Long thin grain, resistant to blight and, medium tolerant to sheath blight and sheath rot and suitable for eating purpose . |
| | IGKV R.-1244* (Indira Maheshwari) | 130-135 | 45-50 | Long thin grain, resistant to sheath blight and gall midge ,tolerant to BPH and steam borer and suitable for eating purpose . |
| Varieties more than 10 years | | | | |
| | I.R.-36 | 115-120 | 40-45 | Dwarf, long thin gain, gall midge ,blight and blast tolerant |
| | I.R.-64 | 115-120 | 40-45 | Dwarf, long thin gain, ,blight and blast tolerant |
| | Kranti* | 125-130 | 40-45 | Dwarf, bold gain, drought tolerant, good for poha and high yielding. |
| | Mahamaya* | 125-128 | 40-45 | Dwarf, bold gain, gall |

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| | | | | midge resistance, good for poha and high yielding. |
| | MTU-1001 | 112-115 | 40-45 | Semi dwarf and long grain |

For upland situation of improved varieties of rice and there characteristic

| Type of soil | Varieties | Duration | Yield (q/ha.) | Description |
|------------------------------|-----------------------|----------|---------------|---|
| Kharif crop | | | | |
| Varieties up to 10 years | | | | |
| Irrigated soil | Samleshwari* | 105-112 | 30 - 40 | Haruna, semi dwarf, high gangai, susceptible and resistance to like diseases perfect for summer cropping, direct sowing and drought resistance. |
| | Indira Barani Dhan-1* | 111-115 | 30-40 | Medium fine grain for rain fed cropping preferable for shallow and low land. Medium resistance to drought and resistant to stem borer and blight. |
| | Sahbhagi Dhan | 110-112 | 30-40 | susceptible to leaf blight |
| Kharif crop | | | | |
| Varieties more than 10 years | | | | |
| Unirrigated high soil | Kalinga-3 | 80-90 | 25-30 | High haruna medium tall. |
| | Aditya | 85-95 | 25-30 | High haruna, semi drought, blast resistance |
| | Annada | 100-110 | 30-35 | Mota dhana |
| | Danteshwari* | 100-105 | 30-35 | Haruna, semi drought, longh fine grain, bacterial leaf blight resistance prefer for summer cropping. |
| | Purnima* | 100-105 | 30-35 | Haruna, semi drought, cylindrical grain or drought resistance. |

- Stored the grains at moisture content 12%. The grain should must dried.
- Protect the crops and animals from heat wave.
- For year around fodder production rice - Berseem + Mustard and Hybrid Napier - Lobia.
- For the management of leaf curl diseases in lady finger, cowpea, pumpkin, chilly and tomato systemic insecticide dimethoate 30 EC @ 1-1.5 ml/liter of water or emidaclorpride 17.8 % SL @ ml/ liter of water should be spray
- For tree plantation the pit should be dug in the month of May. Than after onset of monsoon start plantation.

Soil testing

- For fallow field farmers should most go for soil testing. For sampling collect soil from 6-8 places within a field.

Vegetable

- For cucurbititious crops for the control of powdery mildew disease apply

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| Crops | kerathan 1 gm powder dissolved in one liter water. ➤ Farmers must wait after the application of plant protection chemicals for picking of vegetable crops. the waiting period is between 48 to 96 hours. |
| Animal Husbandry | ➤ To prevent from important disease (Heamorrhagic Septicaemia (H.S.), Block quarter (B.Q.), Anthrax, Theileriosis & warms)in animal consult the veterinary Doctor. This is the high time for de worming. The medicine like Piparagen, Benminth & Panaraquar are effective against worm .Now a day medicated pellets vetfan -600 is also advisable , but before supplement consult the veterinary Doctor . |

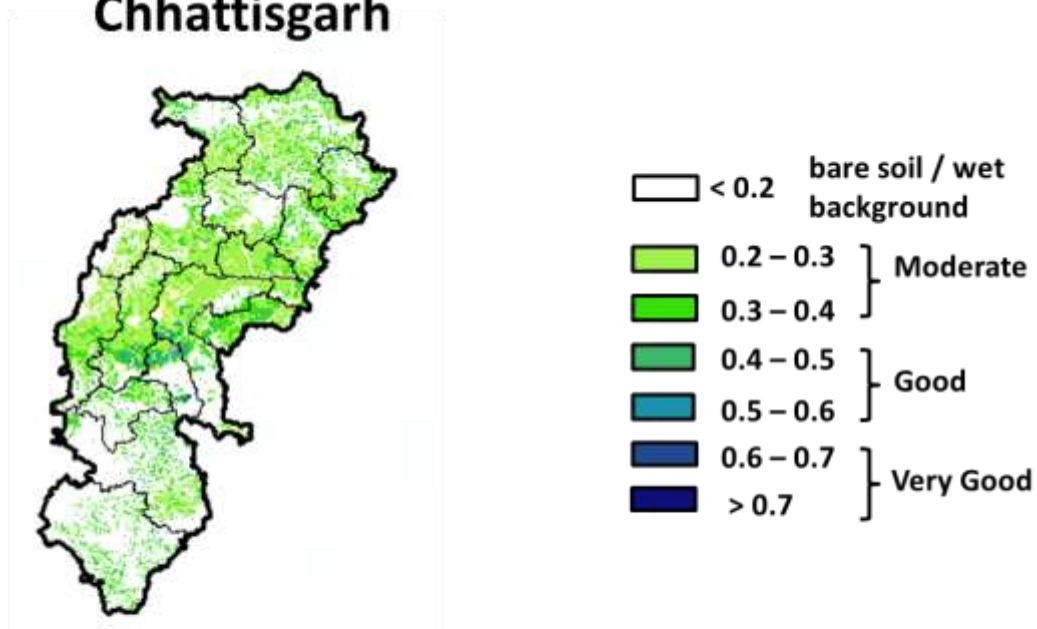
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Co-ordination: All India Co-ordinated Research Project on Dryland Agriculture, Hyderabad

DEAN

18 May 2017

Chhattisgarh



Agriculture vigour is good in few patches in central region of Chhattisgarh, whereas, moderate vigour is seen in rest of the state.