

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

अवधि – 15 फरवरी 2019 से 19 फरवरी 2019 तक
 For the period to 15th February 2019 to 19th February 2019
 जारी करने का दिनांक
 Issued on

शुक्रवार, दिनांक 15 फरवरी 2019
 Friday, 15th February 2019

अगला नवीनीकरण : 19 फरवरी 2019
 Next update : 19th February 2019

Issued by



भारत मौसम विज्ञान विभाग, मौसम केन्द्र रायपुर
 Meteorological Centre, India Meteorological Department, Raipur,

सौजन्य से

In collaboration with



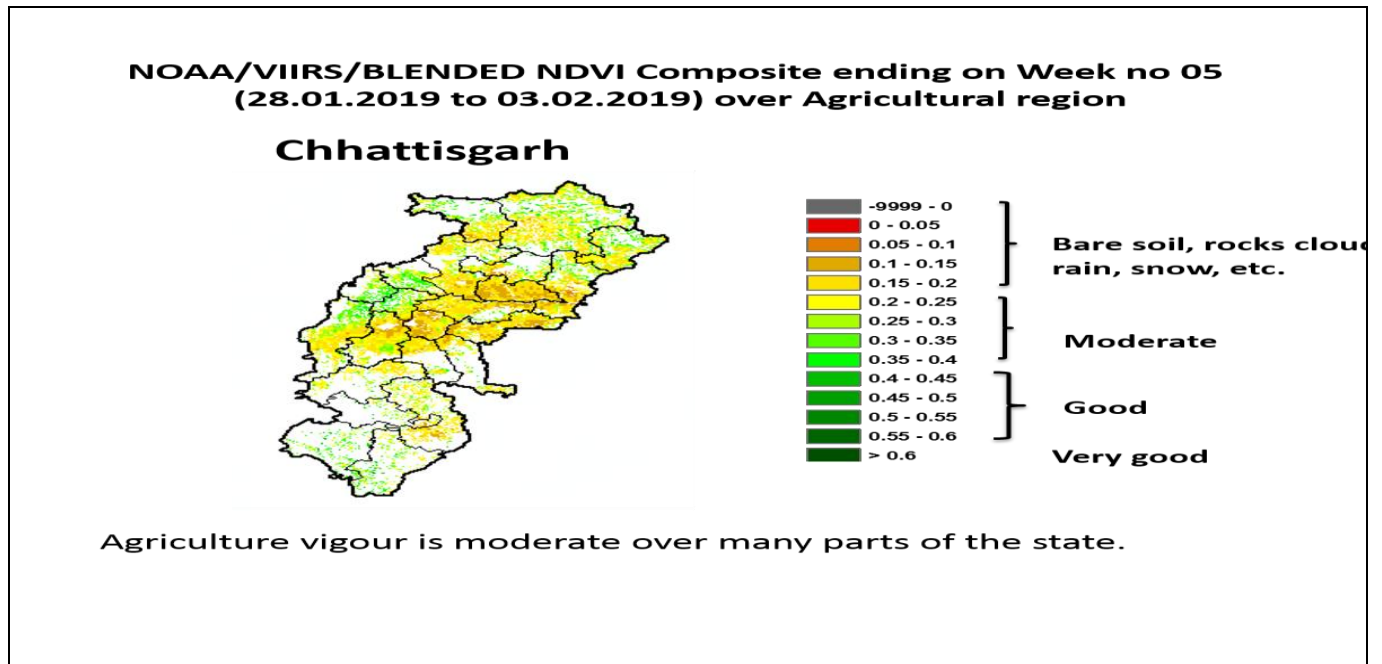
इंदिरा गांधी कृषि विश्वविद्यालय, रायपुर छ.ग.
 Indira Gandhi Krishi Vishwavidhyalaya, Raipur
 तथा



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 | सरयुजा, 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 |

Normalized Difference Vegetation Index (NDVI) composite ending on week no 05
(28.01.2019 to 03.02.2019) over Agricultural region for Chhattisgarh state



Past Weather summary for the period: 12.02.2019 to 14.02.2019

Chief Amount of Rainfall (cm):

| | |
|------------|------|
| 12.02.2019 | Nil. |
| 13.02.2019 | Nil. |
| 14.02.2019 | Nil. |

| S.NO | STATION | Rainfall(mm) | | |
|------|-------------|--------------|------------|------------|
| | | 12.02.2019 | 13.02.2019 | 14.02.2019 |
| 1 | Raipur | 0.0 | 0.0 | 0.0 |
| 2 | Mana AP | 0.0 | 0.0 | 0.0 |
| 3 | Bilaspur | 0.0 | 0.0 | 0.0 |
| 4 | Pendra-road | 0.0 | 0.0 | 0.0 |
| 5 | Ambikapur | 0.0 | 0.0 | 0.0 |
| 6 | Jagdapur | 0.0 | 0.0 | 0.0 |
| 7 | Durg | 0.0 | 0.0 | 0.0 |
| 8 | Rajnandgaon | 0.0 | 0.0 | 0.0 |

Temperature:

• Range

| | Temperature (° C) | Departure (° C) |
|---------------------|--------------------|------------------|
| Maximum temperature | 27 to 33 | -01 to +04 |
| Minimum temperature | 08 to 17 | -05 to +01 |

• Temperature

| S.No | Station | 12.02.2019 | | 13.02.2019 | | 14.02.2019 | |
|------|-------------|------------|------------|------------|------------|------------|------------|
| | | Max (° C) | Min (° C) | Max (° C) | Min (° C) | Max(° C) | Min (° C) |
| 1 | Raipur | 30.0 | 14.2 | 31.6 | 15.6 | 33.0 | 16.7 |
| 2 | Mana AP | 30.2 | 13.8 | 31.5 | 14.8 | 32.5 | 16.3 |
| 3 | Bilaspur | 29.6 | 11.7 | 31.5 | 13.6 | 32.5 | 14.5 |
| 4 | Pendra-road | 28.5 | 08.7 | 30.2 | 12.0 | 31.7 | 12.9 |
| 5 | Ambikapur | 25.5 | 08.3 | 27.0 | 10.9 | 29.0 | 11.3 |
| 6 | Jagdapur | 31.2 | 11.2 | 32.9 | 11.4 | 33.9 | 12.2 |
| 7 | Durg | 31.4 | 10.6 | 33.2 | 12.4 | 33.9 | 13.2 |
| 8 | Rajnandgaon | 29.3 | 13.6 | 32.0 | 15.4 | 32.0 | 15.0 |

Relative humidity: RH was in the range of 18% to 85%.

Cloud amount: 00-03Octa.

Wind Speed: Ranged between 00-10kmph in the state during the week.

Agroclimatic Zone wise Weather forecast for Chhattisgarh

छत्तीसगढ़ का उत्तरीय पहाड़ी भाग Weather forecast for Northern Hills Zone

| | Surguja | | | | | Balrampur | | | | |
|---------------------|----------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 10 | 10 | 0 | 0 | 0 | 9 | 10 | 0 | 0 | 0 |
| Max. Temp. (°C) | 27 | 25 | 26 | 27 | 28 | 27 | 25 | 26 | 27 | 28 |
| Min. Temp. (°C) | 15 | 17 | 13 | 11 | 11 | 15 | 17 | 13 | 11 | 11 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 7 | 6 | 0 | 0 | 0 |
| Maximum humidity(%) | 90 | 90 | 70 | 70 | 70 | 90 | 90 | 70 | 70 | 70 |
| Minimum humidity(%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 8 | 9 | 9 | 8 | 8 | 9 | 8 | 8 | 6 | 7 |
| Wind Direction | SE | SW | NW | NW | NW | SE | SW | NW | NW | NW |
| | Surajpur | | | | | Jashpur | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 13 | 4 | 0 | 0 | 0 | 17 | 10 | 0 | 0 | 0 |
| Max. Temp. (°C) | 27 | 25 | 26 | 27 | 28 | 27 | 25 | 26 | 27 | 28 |
| Min. Temp. (°C) | 15 | 17 | 13 | 11 | 11 | 15 | 17 | 13 | 11 | 11 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 7 | 6 | 0 | 0 | 0 |
| Maximum humidity(%) | 90 | 90 | 70 | 70 | 70 | 90 | 90 | 70 | 70 | 70 |
| Minimum humidity(%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 8 | 8 | 8 | 6 | 7 | 8 | 9 | 9 | 8 | 7 |
| Wind Direction | SE | SW | NW | NW | NW | SE | SW | NW | NW | NW |
| | Koriya | | | | | | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | | | | | |
| Rainfall (mm) | 10 | 4 | 0 | 0 | 0 | | | | | |
| Max. Temp. (°C) | 27 | 25 | 26 | 27 | 28 | | | | | |
| Min. Temp. (°C) | 15 | 17 | 13 | 11 | 11 | | | | | |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | | | | | |
| Maximum humidity(%) | 90 | 90 | 70 | 70 | 70 | | | | | |
| Minimum humidity(%) | 50 | 50 | 30 | 30 | 30 | | | | | |
| Wind Speed (kmph) | 9 | 9 | 8 | 6 | 6 | | | | | |
| Wind Direction | SE | SW | NW | NW | NW | | | | | |

छत्तीसगढ़ का मैदानी भाग Weather forecast for Chhattisgarh Plain Zone

| | Bilaspur | | | | | Mungeli | | | | |
|----------------------|----------|--------|--------|--------|--------|---------|--------|--------|--------|--------|
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 10 | 11 | 0 | 0 | 0 | 15 | 6 | 0 | 0 | 0 |
| Max. Temp. (°C) | 30 | 28 | 29 | 30 | 31 | 30 | 28 | 29 | 30 | 31 |
| Min. Temp. (°C) | 17 | 19 | 16 | 14 | 13 | 17 | 19 | 16 | 14 | 13 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 7 | 6 | 0 | 0 | 0 |
| Maximum humidity (%) | 90 | 90 | 70 | 70 | 70 | 90 | 90 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 6 | 8 | 8 | 6 | 5 | 6 | 7 | 8 | 6 | 6 |
| Wind Direction | SE | SW | NW | NW | NW | SE | SW | NW | NW | NW |
| | Raigarh | | | | | Korba | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 10 | 5 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 |
| Max. Temp (°C) | 30 | 28 | 29 | 30 | 31 | 30 | 28 | 29 | 30 | 31 |
| Min. Temp. (°C) | 17 | 19 | 16 | 14 | 13 | 17 | 19 | 16 | 14 | 13 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 7 | 6 | 1 | 0 | 0 |
| Maximum humidity (%) | 90 | 90 | 70 | 70 | 70 | 90 | 90 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 8 | 7 | 9 | 6 | 6 | 6 | 7 | 7 | 6 | 5 |
| Wind Direction | SE | SW | NW | NW | NW | SE | SW | NW | NW | NW |

| | Janjgir | | | | | Rajnandgaon | | | | |
|----------------------|----------|--------|--------|--------|--------|-------------|--------|--------|--------|--------|
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 5 | 3 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 |
| Max. Temp. (°C) | 30 | 28 | 29 | 30 | 31 | 30 | 28 | 28 | 29 | 30 |
| Min. Temp. (°C) | 17 | 19 | 16 | 14 | 13 | 17 | 19 | 16 | 14 | 13 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 7 | 6 | 0 | 1 | 0 |
| Maximum humidity (%) | 90 | 90 | 70 | 70 | 70 | 86 | 90 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 7 | 7 | 8 | 6 | 7 | 9 | 7 | 7 | 6 | 7 |
| Wind Direction | SE | SW | NW | NW | NW | S | SW | NW | N | N |
| | Durg | | | | | Balod | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 8 | 4 | 0 | 0 | 0 | 18 | 4 | 0 | 0 | 0 |
| Max. Temp. (°C) | 32 | 30 | 30 | 31 | 32 | 32 | 30 | 30 | 31 | 32 |
| Min. Temp. (°C) | 16 | 18 | 14 | 13 | 12 | 16 | 18 | 14 | 13 | 12 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 1 | 0 | 6 | 6 | 0 | 0 | 0 |
| Maximum humidity (%) | 90 | 90 | 70 | 70 | 70 | 90 | 90 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |
| | Bemetara | | | | | Raipur | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 10 | 5 | 0 | 0 | 0 | 10 | 5 | 0 | 0 | 0 |
| Max. Temp. (°C) | 32 | 30 | 30 | 31 | 32 | 31 | 28 | 28 | 29 | 30 |
| Min. Temp. (°C) | 16 | 18 | 14 | 13 | 12 | 19 | 21 | 18 | 16 | 15 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 7 | 6 | 0 | 0 | 0 |
| Maximum humidity (%) | 90 | 90 | 70 | 70 | 70 | 85 | 85 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 8 | 8 | 8 | 7 | 7 | 8 | 9 | 8 | 6 | 7 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |

| | Mahasamund | | | | | Kabirdham | | | | |
|----------------------|------------|--------|--------|--------|--------|-----------|--------|--------|--------|--------|
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 5 | 9 | 0 | 0 | 0 | 15 | 6 | 0 | 0 | 0 |
| Max. Temp. (°C) | 31 | 28 | 28 | 29 | 30 | 30 | 28 | 28 | 29 | 30 |
| Min. Temp. (°C) | 19 | 21 | 18 | 16 | 15 | 17 | 19 | 16 | 14 | 13 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 7 | 5 | 0 | 0 | 1 |
| Maximum humidity (%) | 85 | 85 | 70 | 70 | 70 | 93 | 90 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 8 | 8 | 9 | 6 | 7 | 7 | 7 | 8 | 6 | 6 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |

| | Balodabazar | | | | | Gariyaband | | | | |
|----------------------|-------------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 15 | 5 | 0 | 0 | 0 | 12 | 8 | 0 | 0 | 0 |
| Max. Temp. (°C) | 31 | 28 | 28 | 29 | 30 | 31 | 28 | 28 | 29 | 30 |
| Min. Temp. (°C) | 19 | 21 | 18 | 16 | 15 | 19 | 21 | 18 | 16 | 15 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 |
| Maximum humidity (%) | 85 | 85 | 70 | 70 | 70 | 85 | 85 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 8 | 8 | 9 | 6 | 7 | 7 | 7 | 7 | 5 | 6 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |
| | Dhantari | | | | | Kanker | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 8 | 5 | 0 | 0 | 0 | 8 | 6 | 0 | 0 | 0 |
| Max. Temp. (°C) | 31 | 28 | 28 | 29 | 30 | 31 | 28 | 28 | 29 | 30 |
| Min. Temp. (°C) | 19 | 21 | 18 | 16 | 15 | 19 | 21 | 18 | 16 | 15 |
| Cloud Cover (Octa) | 7 | 6 | 0 | 0 | 0 | 6 | 5 | 1 | 0 | 0 |
| Maximum humidity (%) | 85 | 85 | 70 | 70 | 70 | 85 | 85 | 70 | 70 | 70 |
| Minimum humidity (%) | 50 | 50 | 30 | 30 | 30 | 50 | 50 | 30 | 30 | 30 |
| Wind Speed (kmph) | 7 | 7 | 7 | 6 | 7 | 8 | 6 | 6 | 6 | 6 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |

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

| | Baster | | | | | Dantewada | | | | |
|----------------------|-----------|--------|--------|--------|--------|------------|--------|--------|--------|--------|
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 4 | 2 | 1 | 0 | 0 | 3 | 5 | 1 | 0 | 0 |
| Max. Temp. (°C) | 31 | 30 | 30 | 31 | 32 | 31 | 30 | 30 | 31 | 32 |
| Min. Temp. (°C) | 16 | 17 | 14 | 13 | 12 | 16 | 17 | 14 | 13 | 12 |
| Cloud Cover (Octa) | 5 | 5 | 1 | 0 | 0 | 5 | 5 | 1 | 0 | 0 |
| Maximum humidity (%) | 85 | 85 | 70 | 70 | 70 | 85 | 85 | 70 | 70 | 70 |
| Minimum humidity (%) | 30 | 30 | 25 | 25 | 25 | 30 | 30 | 25 | 25 | 25 |
| Wind Speed (kmph) | 9 | 7 | 7 | 6 | 5 | 9 | 6 | 7 | 6 | 3 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |
| | Bijapur | | | | | Narayanpur | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 2 | 5 | 1 | 0 | 1 | 10 | 4 | 0 | 0 | 0 |
| Max. Temp. (°C) | 31 | 30 | 30 | 31 | 32 | 31 | 30 | 30 | 31 | 32 |
| Min. Temp. (°C) | 16 | 17 | 14 | 13 | 12 | 16 | 17 | 14 | 13 | 12 |
| Cloud Cover (Octa) | 5 | 5 | 1 | 0 | 0 | 5 | 5 | 1 | 0 | 0 |
| Maximum humidity (%) | 85 | 85 | 70 | 70 | 70 | 85 | 85 | 70 | 70 | 70 |
| Minimum humidity (%) | 30 | 30 | 25 | 25 | 25 | 30 | 30 | 25 | 25 | 25 |
| Wind Speed (kmph) | 8 | 6 | 6 | 5 | 5 | 9 | 6 | 6 | 5 | 5 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |
| | Kondagaon | | | | | Sukma | | | | |
| | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb | 16 Feb | 17 Feb | 18 Feb | 19 Feb | 20 Feb |
| Rainfall (mm) | 8 | 6 | 0 | 0 | 0 | 3 | 5 | 1 | 0 | 0 |
| Max. Temp. (°C) | 31 | 30 | 30 | 31 | 32 | 31 | 30 | 30 | 31 | 32 |
| Min. Temp. (°C) | 16 | 17 | 14 | 13 | 12 | 16 | 17 | 14 | 13 | 12 |
| Cloud Cover (Octa) | 5 | 5 | 1 | 0 | 0 | 5 | 5 | 1 | 0 | 0 |
| Maximum humidity (%) | 85 | 85 | 70 | 70 | 70 | 85 | 85 | 70 | 70 | 70 |
| Minimum humidity (%) | 30 | 30 | 25 | 25 | 25 | 30 | 30 | 25 | 25 | 25 |
| Wind Speed (kmph) | 9 | 7 | 7 | 6 | 6 | 7 | 5 | 6 | 5 | 4 |
| Wind Direction | S | SW | NW | N | N | S | SW | NW | N | N |

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

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

- **General:** Looking to cloudy weather and possibility of light rainfall around 16th February, farmers are advised to take precaution in the harvesting & threshing of Rabi crops.
- **Wheat:** Timely sown crops are at heading stage and this stage is very much sensitive of moisture stress. Hence, irrigate the field as per the status of soil moisture. Roughing out the plants in wheat field after ear head emergence to maintain healthy and pure seed production.
- **Summer Moong (Green gram):** Farmers wishing to cultivate summer moong, may proceed immediately for sowing after field preparation. Before sowing, seed must be treated with Rhizobium culture.
- **Gram:** Looking to the cloudy weather condition prevailing during past week the incidence of Heliothis in gram is reported from many places and it is likely to increase after slight increase in maximum and minimum temperature. Hence, farmers are advised to keep watch over the crops and adopt integrated pest management practices like light trap, pheromone trap, bird prech etc. for initial control. If necessary spray insecticides like Indoxacarp @ 300 ml/ha or Carbarye @ 1 kg/ha. Also the gram is at pod filling stage, therefore farmers are advised to give light irrigation.
- **Insect (Gram):** For control of gram pod borer, Pheromone trap is an effective method. Neem extract @ 5% can also be sprayed so that female insect does not lay eggs. In heavy infestation, Quinolophos @0.05% can be sprayed.
- **Mustard:** Timely sown early duration variety crops are now approaching the maturity stage. Harvest the crops when siliqua turns into bright yellow color and dry the harvested crop in the sun for 2-3 days before threshing. For the control of aphids in the mustard crop farmers are advised to spray Methyl Demeton and Dimethioate @ 0.05% at evening hours.
- **Summer Rice:** Farmers who are going to cultivate summer rice and have not raise the seedlings are advised to select minimum duration varieties of rice. Before sowing, seed should be treated with Bavistin + Thiram (1 gram + 1 gram) per kg of seed.
- **Sugarcane:** The sugarcane crop planted in October-November has come to germination stage. During these phase, farmers are advised to apply one irrigation. Farmers are also advised to prepare their fields for planting of spring planted sugarcane and they may start the planting in view of increasing temperature during the forecast period.
- **Potato:** Early to medium duration variety of potato matures within 80-120 days. Farmers are advised to remove the upper leaves/parts (Dehaulming) of the crop, before 7- 10 days of digging. After digging of potato farmers may sow the spring moong in case having limited irrigation facility. However, if they have good irrigation facility, may proceed for different summer vegetable cultivation like cauliflower, cabbage, tomato, bhindi, brinjal, chilli or cucurbitaceous vegetables.

- **Vegetables:** Temperature condition is now congenial for sowing of summer sown cucurbitaceous vegetables (eg. Pumpkin, cucumber, sponge gourd etc). Farmers are advised to start this work as soon as. An intercultural operation is advised in standing vegetable crop and gives light irrigation as per requirement. Preparation of land for sowing of summer vegetables. Application of 15-20 ton FYM during land preparation. Looking to the present weather conditions, farmers are advised for sowing of cucurbitaceous crop in the polythenes. Also, sowing of leafy vegetables and land preparation for the summer vegetables like cowpea, okra is advised.
- **Onion:** Intercultural operation in early sown onion crop is advised to remove the weeds. Give light and frequent irrigation at an interval of 10-12 days as per requirement.
- **Fruit trees:** It is the time of bearing flowers in mango and litchi tree. Spray insecticide like lamdasylhalothrin @1 ml per 2 liter of water and Bavistin @ 1 gm per litre of water as a preventive measure against various disease and insects.
- **Mango:** Before inflorescence in the mango orchard, a spray of Carbaryl (Sevin) @2.0 gm or Dimethoate @1.0 ml per litre of water is advised in the orchard.
- **Fodder:** For feeding of animals with good nutritional quality fodder, should be crop cutting done before flowering. Feed the cattle dried fodder chaff cutting mixed with legume fodder such as Berseem, Lucerne etc.
- **Fisheries:** Now the temperature is increasing day by day and it will favour the growth of fishes. Hence, add cow dung and lime in the pond as a natural foods for fishes and alternative feeds may also be used like Rice Bran and Mustard cake (each of 5 kg per day per acre area of pond).

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. Mustard is in flowering/pod formation stage. At this stage aphids are commonly observed in this crop. Hence, farmers are advised for the monitoring of the crop.
2. If outbreak of aphid is being observed in mustard than apply imidaclopid @ 80 ml/acre dissolved in 200 liter water.
3. Looking to the cloudy weather condition prevailing during past week the incidence of *Heliothis* in gram is reported from many places and it is likely to increase after slight increase in maximum and minimum temperature. Hence, farmers are advised to keep keen watch over the crops and adopt integrated pest management practices like light trap, pheromone trap, bird prech etc. for initial control.

4. Roughing out the plants in wheat field after ear head emergence is recommended to maintain healthy and pure seed production.

Vegetables/ Fruit :

1. Planting of summer ornamental flowers should be done.
2. Flowering in mango crop has started. Therefore at 50% flowering, irrigation should be given strictly at an interval of 15 days. More frequent irrigation leads to conversion of flower to vegetative phase.
3. The average temperature is now suitable for proper germination of summer vegetables like pumpkin, bitter gourd, bottle gourd, okra etc. Hence the sowing of these vegetables should be completed at the earliest.

Animal husbandry:

1. Berseem is available for feeding to animals as green fodder. Hence, green fodder mixed with dry straw should be provided for feed.
2. Poultry farmers are advised to vaccinate the chicks at the age of 5-7 days against Ranikhet disease
3. In case of skin disease, dairy farmers are advised to mix zinc oxide and vaseline in equal proportion and apply on affected parts.
4. Keep away mosquitos from animal shed by suitable technique.

छत्तीसगढ़ के बस्तर का पठारी भाग

Bastar Plateau Zone

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

| | |
|-----------------------|--|
| 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. ➤ 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. |
| Rabi Crops | <ul style="list-style-type: none"> ➤ For the control of shoot & fruit borer of brinjal crop apply Carboril soluble powder 50% @ 2kg or Trizofhas 40 e.c. @ 1 lit per/hec. Further, repeat it15-20 days interval. ➤ For control of powdery mildew disease in pea crop broadcast sulphur (200mes) dust @25 - 30 kg/ha. For spray apply any of these fungicide viz. soluble sulphur (3g) carbendazim (1g)/ Denocap or Trydomarf (1 ml) in per liter of water .When symptom appear spray first dose than after 15days repeat the second dose. ➤ For control of viral disease in potato spray methyal dematon (1ml/ lit. water). ➤ In maize and sugarcane crop apply atrazine and seemazine 1.5 kg/ha @ before germination for weed control. ➤ Start sowing of summer legume crops like moong and urd. ➤ For oilseeds pulse crops the critical stage are branching and flowering hence try to maintain soil moisture. |

| | |
|--------------------------------|--|
| | <ul style="list-style-type: none"> ➤ For the control alterneria disease of mustard apply copper containing fungicide@ 2.5g, or Propiconazole 1ml or mencozeb 3g/lit water. ➤ Looking to the weather condition there is possibility of infestation of pod borer in chick- pea. Hand picking should be done for control. To increase birds activity, T or Y shaped woods should be installed @ 20-25 Nos/ ha in different places of field. To monitor adult insect use Pheromone trap @2 Nos/acre. ➤ The critical stages of wheat crop are CRI, trilling stage, jointing, flower initiation stage, milking stage and grain maturity stage. Out of this stages CRI and flower initiation stage is most critical. Hence, as per stages try to give irrigation. ➤ For the control of downy mildew spray karathen 1.5 g or mencozeb 2 g per lit. of water. |
| Cashew | <ul style="list-style-type: none"> ➤ Tea Mosquatio Bug damage the tender, shoots inflorescences and immature nuts. The tree is attacked in all seasons during flushing, flowering and fruit setting and to control the pest spray profenophos 50 EC @ (0.05%- 1ml/litter) + Teepol for better efficacy |
| <u>Animal Husbandry</u> | <ul style="list-style-type: none"> ➤ To gain more production give 25-30 kg green fodder per day in the ratio of 3:1 Green and dry fodder ➤ For year around fodder production for cattle adopt - Crop rotation - Berseem + Mustard - Hybrid Napier - Lobia. ➤ Looking into the decrease in temperature and its possible adverse effects, dairy farmers are advised to keep the animals in the cattleshed with concrete / brick roof. ➤ Milch animals should be fully milked to avoid mastitis disease. Dairy farmers are also advised to protect the animals by applying light insecticide solution on the teat and udder parts of milch animals after milking. |