



इंदिरा गांधी कृषि विश्वविद्यालय
Indira Gandhi Krishi Vishwavidyalaya
शहीद गुंडाधूर कृषि महाविद्यालय एवं अनुसंधान केन्द्र
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No. /SG CARS/ 2017-18/GKMS

Jagdalpur, 17 Nov, 2017

Weather recorded from 15 to 17 Nov 2017 at Agromet-Observatory, SGCARS Jagdalpur

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|--------------------------|--------------------|
| Rainfall (mm) | 0.0 |
| Max. temperature (°C) | 24.7 - 29.5 |
| Minimum Temperature (°C) | 19.2 - 20.2 |
| Relative humidity (%) | 72 - 93 |
| Wind speed (kmph) | 5.6 - 9.5 |

During the last week, rainfall recorded in Agrometeorological observatory was 0.0mm. Maximum temperatures varied between 24.7- 29.5⁰C. Minimum temperature varied between 19.2 - 20.2 Relative humidity varied between 72 - 93 per cent Wind speed varied between 5.6 to 9.5kmph.

Medium Range Weather Forecast

Agro Advisory services bulletin for Bastar Plateau Zone (18 to 22 Nov 2017)

Weather forecast of District Kondagaon

| Weather parameters | Weather forecast | | | | |
|-------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| | Day 1 18_Nov | Day 2 19_Nov | Day 3 20_Nov | Day 4 21_Nov | Day 5 22_Nov |
| Rainfall mm. | 0 | 5 | 13 | 8 | 0 |
| Max. Temperature (°C) | 26 | 27 | 28 | 28 | 29 |
| Min. Temperature (°C) | 20 | 19 | 18 | 18 | 16 |
| Cloud amount (%) | 75 | 75 | 75 | 50 | 25 |
| Relative humidity (%) | 90/70 | 90/70 | 90/70 | 90/70 | 90/65 |
| Wind speed kmph and direction | 3/NE | 2/S | 3/NE | 7/N | 6/N |

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 18-22Nov to 5-13mm. Cloud amount will be 25-75%. Maximum temperature will vary between 26-29°C and minimum temperature will vary between 16-20°C. Relative humidity will vary 65 to 90 percent. Wind speed will be about 2-7kmph and wind direction will be north-easterly/southerly.

Agro Advisories services in Bastar districts

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| <p>Seed treatment</p> | <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 flurocens may also be used for treatments. |
| <p>Kharif/ Rabi crops</p> | <ul style="list-style-type: none"> ➤ Field preparation should be done soon after harvesting of rice using minimum tillage/zero tillage so that the conserved moisture may be utilized by following rabi crop. ➤ Store rice at 12% moisture level. The stage when the rice is tested by pressing between the teeth to hear 'cut' sound is considered safe to store seed. ➤ Treat the gunny bags with insecticide and dry for proper storage. ➤ Use Indira seed cum fertilizer drill (Bullock drawn) for sowing rabi crops. ➤ Treat pulse and oilseed crops seed with <i>Rhizobium</i> culture (seed treatment). ➤ Rabi crop seeds should be treated with <i>Bavistin</i> @2 to 3 gram per Kg prior to sowing. ➤ For year around fodder production for cattle adopt - Crop rotation - Berseem + Mustard - Hybrid Napier - Lobia. ➤ For timely (15 November) sowing of wheat crop under irrigated condition selects any variety: - Lok-1, W.H. 147, Kanchan & Raj. ➤ For partially irrigated condition important variety of wheat: - C 308, Sujata, H.W. 2004, Ratan, H.I.-8627 & H.I. 1531. <p style="text-align: center;">Arrange the seed of different crops for utera cultivation and start sowing for better utilization of soil moisture according to land topography.</p> <p style="text-align: center;">Suitable varieties of pulse crops :</p> <ul style="list-style-type: none"> ➤ Lathyrus - Ratan, Prateek, Mahatiwada. ➤ Gram - J.G.-74, Vijay, Vaibhav, J.G.-14, Indira Chana-1, J.S.C.-56. ➤ Pea - Ambika, Adharsh(I.P.F. 99-25), Shubra, J.P. - 885, Paras, Vikas(I.P.F.D. 99-13), Praksh(I.P.F.D. 1-10), I.P.F.D.-10-12. ➤ Lentil -Lens-4076, I.P.L.-81(Nuri), J.L.-3. <p style="text-align: center;">Suitable varieties of oilseed crops :</p> <ul style="list-style-type: none"> ➤ Linseed : R 552, Kiran, T-397, Padmini , Shekhar, Indira als-32, Kartika, Deepika, ➤ Mustard : Pusa jai kisan, Pusa bold ,Kranti, Vardan, Varuna, chhattisgarh sarso ➤ Safflower : J S F-1, J S I-7, Veema, A-1, Nari N H-1, Nari-6, P B B N S -12 ➤ In those field where crops are ready to harvest, select any one verity of toria like |

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| | <p>Indira toria-1, Pant toria - 30, T-9, P.T.- 303 and Anuradha for sowing after harvest of kharif crop.</p> <ul style="list-style-type: none"> ➤ If the white fly is occurring during flowering stage in niger. spray the triazophos 1gm/litre for their control. ➤ Harvest the pulse crops before the shattering. ➤ Soaked the seed of pea for four hours than sow it. ➤ Long duration rice variety where flowering in not initiated apply last dose of fertilizers. ➤ Prepare the nursery for rabi vegetables like- cabbage, cauliflower, brinjal, tomato and chilly etc. ➤ For the control of swarming cater pillar - protexophos + cypermethrin @ 1.5ml/lit. |
| Vegetable Crops | <ul style="list-style-type: none"> ➤ Harvesting of kharif planted colocasia should be done for again sowing of Rabi crops like Pea and French bean on same field. ➤ Field preparation to be started for planting of Rabi colocasia and bunda. |
| Animal Husbandry | <ul style="list-style-type: none"> ➤ Supplement the wormicide medicine in feed of poultry birds at a regular interval of 3 months. ➤ Try to mentioned dry cattle sheds to prevent from disease. |

Sponsor: Ministry of Earth Sciences, New Delhi.

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

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