



इंदिरा गांधी कृषि विश्वविद्यालय
Indira Gandhi Krishi Vishwavidyalaya
शहीद गुंडाधूर कृषि महाविद्यालय एवं अनुसंधान केन्द्र



Shaheed Gundadhoor College of Agriculture & Research Station
 कुम्हरावण्ड, जगदलपुर – 494005 Kumhrawand, Jagdalpur – 494005 (C.G.)
 Ph. (O) - 07782 - 229150 (Fax) 229360 (R) 229343 Email - zars_igau@rediffmail.com

Bulletin No.56, 11/07/2017

No. /SG CARS/ 2017-18/ GKMS

Jagdalpur, 11 July, 2017

**Weather recorded from 08 to 11 July 2017 at Agromet-Observatory, SGCARS
 Jagdalpur**

Rainfall (mms)	0.4
Max. temperature (°C)	30.2 - 32.7
Minimum Temperature (°C)	22.7 - 24.0
Relative humidity (%)	57 - 94
Wind speed (kmph)	4.9 - 6.3

During the last week, rainfall recorded in Agrometeorological observatory was 0.4 mm. Maximum temperatures varied between 30.2 - 32.7°C. Minimum temperature varied between 22.7 – 24.0°C. Relative humidity varied between 57 - 94 per cent Wind speed varied between 4.9 to 6.3kmph.

Medium Range Weather Forecast

Agro Advisory services bulletin for Bastar Plateau Zone (12 to 16 July 2017)

Weather forecast of District Bastar

Weather parameters	Weather forecast				
	Day 1 12_July	Day 2 13_July	Day 3 14_July	Day 4 15_July	Day 5 16_July
Rainfall mms	5	4	5	8	7
Max. Temperature (°C)	30	30	30	28	28
Min. Temperature (°C)	23	23	23	23	24
Cloud amount (%)	100	100	100	100	100
Relative humidity (%)	95/70	95/70	95/70	95/70	95/70
Wind speed kmph and direction	2/SW	3/SW	4/SW	4/SW	4/SW

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 12-16July to 4-8mm. Cloud amount will be 100%. Maximum temperature will vary between 28-30°C and minimum temperature will vary between 23-24°C. Relative humidity will vary 70 to 95 percent. Wind speed will be about 2-4kmph and wind direction will be south-westerly.

Agro Advisories services in Bastar 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 flurocens may also be used for treatments.
-----------------------	--

Kharif crops

- System of rice intensification (S R I method of cultivation): Under this method water as well as seed saving are more and we get more than 20% yield of rice. For an area of one acre we required 2 kg of seed. Raise the seedling age of 10-14 days. For transplanting apply 10 q/acre of well decomposed organic matter in the field and incorporate it properly. Puddle and level the field. Use the marker in the field or keep 20X20 OR 25X25 cm distance. Transplant one seeding of age group 10-14 days should be planted in earlier demarcated place. Keep the field alternate drying & wetting condition up to vegetative stage and after flowering stage 1 to 3 cm water, before 15 days of harvest remove all water. For weed control use cona weeder at 10 -15 days interval two to three times. If essential then apply little quantity of chemical fertilizers.

Fertilizers recommendation for different duration varieties

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

- **Nursery:** - After 3-4 days of sowing of rice seed apply Butachlor or Thiobercarp 1 to 1.5 kg/ha. a.i.
- **Line Sowing** - 3-4 days after sowing spray Butachlor or Pendemethaline 1 to 1.5lit./kg/ha. a.i.. After 14-20 days of rice germination for the control of narrow leave weeds spray Fenexaprop 60 gm/ha. and for broad leave weeds chlorimero + Met Sulfuron 4 gram a.i./ha. **Nursery:** - After 3-4 days of sowing of rice seed apply Butachlor or Thiobercarp 1 to 1.5 kg/ha. a.i.
- **Line Sowing** - 3-4 days after sowing spray Butachlor or Pendemethaline 1 to 1.5lit./kg/ha. a.i.. After 14-20 days of rice germination for the control of narrow leave weeds spray Fenexaprop 60 gm/ha. and for broad leave weeds chlorimero + Met Sulfuron 4 gram a.i./ha. .

Important oil seed crops and seed rate

- **Soybean** - Seed rate 80-100 kg/h. - J.S. 335, Indira soya-9, J.S. 80-21, J.S. 93-05.
- **Groundnut** - Seed rate 100-120 kg/h. - SB -11 (J 11), ICGS-37, ICGS-44, T.A.G.- 24, T.A.G.-28.
- **Til** - Seed rate 5-6 kg/h. - T.K.G. -21, T.K.G-22, T.K.G-55, and T.K.G - 8.
- Important varieties of tomato - Pusa early dwarf, Sweet 72, Pusa rubi, Pusa Gurab, Mangala, Naveen, Laxmi 5005 & NS 815
- Important varieties of brinjal : Punjab Shadabahr, K S 331, P H 5, P H 6 ,KS 224 ,A R B H -543
- For weed control spray the herbicide Glayphosate @ one litre per hectare before one month of sowing of main crop.
- Start sowing of tuber crops.
- Start top dressing of Urea in Sugar cane crop.
- Prepare nursery for papaya and custard apple.

Vegetable Crops

- For lady finger yellowing in early stage is notice. If yellowing is in limited part 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.
- Apply chlorophyriphos to avoid termite attack in fruit plants.
- Summer crops like bean, cabbage, tomato, brinjal are affected by sucking and

	borer insects. For sucking insects pests like aphid, jassids, white fly are controlled by application of dimethoate 40 EC@ 1.5ml/litter of water. Borer pests like potato and gram borer, brinjal fruit borer are controlled by application of Imidacloropid 17.8 SL@ 150ml/ha
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 .

Sponsor: Ministry of Earth Sciences, New Delhi.

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

DEAN