



**Gramin Krishi Mausam Sewa**  
**India Meteorological Department**  
**Orissa University of Agriculture and Technology**  
**RRTTS, Chiplima**



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**Week no-09**

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**West Central Table Land Zone**  
**Bargarh**

According to IMD, no rainfall is expected from Wednesday to Sunday. The maximum temperature is likely to remain at 39°C and the minimum temperature may vary between 20-21°C. Mainly clear sky may be observed from Wednesday to Sunday. The maximum relative humidity may vary between 45-55% and minimum relative humidity varying between 08-10%. Light air is likely to blow in NNE direction on Wednesday, ESE direction on Thursday & Friday, SSW direction on Saturday and West direction on Sunday.

Date	28/2/2018	01/2/2018	02/3/2018	03/3/2018	04/3/2018
<b>Rainfall (mm)</b>	0	0	0	0	0
<b>Max Temperature (° C)</b>	37	38	38	39	38
<b>Min Temperature (°C)</b>	20	21	21	21	20
<b>Total cloud cover (okta)</b>	0	0	0	1	1
<b>Max Relative Humidity (%)</b>	52	53	55	47	45
<b>Min Relative Humidity (%)</b>	10	8	9	9	9
<b>Wind speed (km/h)</b>	5	5	4	7	4
<b>Wind direction (deg)</b>	41	95	116	199	270

**For further information, contact the IMD, Bhubaneswar, Tel. # 0674-2596116**

**Agromet Advisory**

The SPI values from 25<sup>th</sup> January to 21<sup>st</sup> February, 2018 reveal that mildly dry condition prevailed over Western Central Table Land zone of Odisha. As the weather was dry in the past week which is likely to continue till Sunday with significant decline in relative humidity, it is advisable to irrigate the crops at critical stages.

**Paddy**

As the weather will remain dry, maintain water depth upto the base of the plant followed by weeding when the crop is around 3-4 leaf stage. Rise in temperature with cloudy weather will favour the build up of stem borer population. Install pheromone traps to monitor stem borer population. If the dead heart population is above ETL (more than 1/m<sup>2</sup>), go for alternate spray of Fipronil @2ml/l with Indoxacarb@1.5ml/litre at 15days interval. In early transplanted crop, apply 50%N as 1st top dressing in HYVs while 25%N in hybrid varieties at 21 days after transplanting.

**Pulses:** In green gram/black gram, Chances of infestation of leaf eating caterpillar and black headed caterpillar likely to occur. To control them, spray insecticides of 2ml profenofos 50%EC or 2 ml quinalphos 25%EC or 1 ml dichlorvos 76%EC per litre of water @200 litres per acre during afternoon.

**Groundnut:** Flowering of summer groundnut has been started. Complete hoeing, weeding followed by earthing up without any delay. Do not disturb the soil to avoid disturbances in pegging. Apply 250 kg Gypsum or 200-300 kg of Calcium Sulphate/ hectare.

**Sesame:** Now it is the optimum weather for sesame sowing. Grow improved varieties like - Uma, Kalika, Nirmala, Prachi and Usha, Use 2 to 2.5 kg seeds/ acre. Go for line sowing at a spacing of 25-30 X 10 cm. Because of small seed size, the seeds should be mixed with dry sand or soil or saw dust for uniform sowing and less seed requirement.

**Sunflower:** Early sown summer sunflower is at 25 days. Go for hoeing and weeding. Apply 3 kg N to improved varieties and 6 kg to hybrid ones. Thin out plants keeping one healthy plant per hill.

**Potato:** Curing of potato for seeds should be done. Separate the rotted and cut tubers. Tubers weighing 25 to 30 g should be selected for seed purpose. Wash the tubers with clean water. Treat the tubers with 3 % Boric acid for 30 minutes. Keep the treated tubers in cold storage with 4 OC after packing in gunny bags.

### **Vegetables**

Go for sowing of greens (Khada). Lay out small beds of 5 ft. long, 4 ft. wide with bunds all around. 4- 6 kg seeds are required/acre. Because of small size seeds, mix the seeds with coarse sands for easy sowing. Cover the seeds with soil followed by straw to avoid high temperature. Irrigate the beds and remove the straw after emergence. 12 – 15 days old seedlings are ready for transplanting in the main field, Transplant the seedlings at a spacing of 75x 30cm.

Spodoptera in cabbage and cauliflower may be found. Alternate spraying of B.T product 1 kg or 250 LE SLNPV/acre at weekly interval or use 4 Trichogramma cards per acre. Or grow 2 lines of mustard after every 25 lines newly planted cabbage.

**Nodal Officer**