



**Gramin Krishi Mausam Sewa**  
**District Level Agromet Advisory Bulletin**  
**Birsa Agricultural University**  
 Kanke Ranchi, Jharkhand



## Agromet Advisory Bulletin

Date : 17-12-2021

Weather Forecast of RANCHI(Jharkhand) Issued On : 2021-12-17(Valid Till 08:30 IST of the next 5 days)

Parameter	2021-12-18	2021-12-19	2021-12-20	2021-12-21	2021-12-22
Rainfall(mm)	0	0	0	0	0
Tmax(°C)	27.1	26.6	26.0	23.1	23.5
Tmin(°C)	9.1	5.9	4.3	5.1	6.9
RH-I(%)	60	60	38	43	56
RH-II(%)	36	40	24	19	23
Wind Speed(kmph)	13.6	12.7	11.2	8.7	8.4
Wind Direction(Degree)	338	336	315	315	330
Cloud Cover(Octa)	5	1	0	0	0

### Weather Summary/Alert:

During next few days, the sky will be almost clear and both maximum and minimum temperature will fall subsequently.

### General Advisory:

At present, night temperature is lowering subsequently. To avoid the adverse effect of low temperature on various crops / vegetables, maintain the soil moisture in the field and hence irrigate them at a regular interval. Smoking around the field also helps to maintain the temperature. Present weather condition is conducive for the attack of Blight disease in potato and tomato crop, white rust disease in cucurbitaceous vegetables, fruit borer insect in pea & pigeon pea, stem & fruit borer insect in brinjal crop. Hence, spray recommended fungicide or insecticide immediately, as and when symptoms of disease or insects appears on plant.

**SMS Advisory:**

To prevent the ill effect of low temperature on different crops or vegetables, irrigate the field at a regular interval to maintain optimum soil moisture.

**Crop Specific Advisory:**

Crop(Varieties)	Crop Specific Advisory
WHEAT	To keep the field weed free conduct inter - culture operation after 20-25 days of sowing. After inter culture operation irrigate the field and broadcast urea 20-22 kg per acre), next day of irrigation Existing weather condition favours the attack of leaf spot disease. Spray immediately the fungicide Indofil M-45 @ 2.5 gm. per liter of water as and when symptom of disease (small oval shaped yellow-brownish spot forms on leaves) appears on leaves.
CHICK PEA	Nipping (pruning of upper parts of the plant) should be done in 30 to 40 days (before flowering stage) old crops. It enables the plant to bear more and more branches and subsequently flowers and pods. After nipping farmers may generate income by selling the pruned parts as Chana sag. However, this practice is strictly adopted in those field where soil moisture is not a limiting factor.
RAPESEED	Spray immediately the fungicide Redomyl M. Z. (@1.5 gm per liter of water) as and when the white powder appears on leaves and stems.

**Horticulture Specific Advisory:**

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	If the symptoms of blight disease (small, light- brown spots appear on lower leaves and later it spread on upper leaves also, resulted into fall of leaves) appears in the crop immediately spray the fungicide Redomyl (@ 1.5 gm per litre of water). In early potato, which is approaching maturity stage within 7-10 days, remove the upper leaves of the plant. Removing of leaves helps in hardening of the tuber and its skin. After digging of early potato, the field may be used for cultivation of onion.

<b>Horticulture(Varieties)</b>	<b>Horticulture Specific Advisory</b>
VEGETABLE PEA	At existing weather condition, there is a chance of the attack of powdery mildew disease, in which white powder appears on leaves, fruits and stem. To control this disease, spray Kairathen @ 1.5 ml per liter of water or Sulfex @ 3 gm per liter of water. At existing weather, crops at fruiting stage are vulnerable to the attack of Fruit borer insect. Spray immediately the insecticide Spinosed (1 ml per liter of water) to control the insect.
TOMATO	If the symptoms of blight disease (small, light- brown spots appear on lower leaves and later it spread on upper leaves also, resulted into fall of leaves) appears in the crop immediately spray the fungicide Redomyl M. Z. @ 1.5 gm per litre of water.
BRINJAL	Spray the insecticide Kungfu or Karate @ 2 ml per liter of water to control stem or fruit borer. However, after spraying of the insecticide do not pluck the fruits for next 7-8 days.
BOTTLE GOURD	Present weather is conducive for the attack of powdery mildew disease in cucurbitaceous plant (in which white powder appears on leaf and stem). Spray Kairathen @ 1.5 ml per liter of water to control the disease.

### Live Stock Specific Advisory:

<b>Live Stock(Varieties)</b>	<b>Live Stock Specific Advisory</b>
COW	The weather is favourable for attack of F.M.D. in milch animals. Animals should be vaccinated twice in a year as a preventive measures of this disease. Cattle should be protected from cold waves and keep their place warm and do not allow them to remain in open sky after sunset and before sunrise.