



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



Agromet Advisory Bulletin

Date : 25-11-2022

Weather Forecast of District BOKARO(Jharkhand) Issued On : 2022-11-25(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-11-26	2022-11-27	2022-11-28	2022-11-29	2022-11-30
Rainfall(mm)	0	0	0	0	0
Tmax(°C)	28.2	28.1	28.0	28.6	28.7
Tmin(°C)	9.7	9.9	10.6	11.3	11.8
RH-I(%)	48	49	51	49	49
RH-II(%)	23	25	22	24	24
Wind Speed(kmph)	9.7	7.8	5.3	4.9	5.7
Wind Direction(Degree)	315	315	338	338	338
Cloud Cover(Octa)	0	0	0	0	0

Weather Summary/Alert:

During next few days the sky will be almost clear and slight decrease in temperature is also possible.

General Advisory:

The temperature will fall gradually and hence, maintain the optimum soil moisture in crop field. Farmers wishing to cultivate wheat or potato may complete the sowing at an early date. Farmers who have sown the crops earlier and germination is not uniform, should maintain the plant population per unit area by filling the gap either by sowing of extra seeds or rouging the extra plants in the field, where the plant population is extremely dense. The inter-culture operations followed by irrigation and urea broadcasting as per the requirement of the crops may also be performed in 20-25 days old crops. Low land, which is still submerged, drain out the water by making channels after harvesting of rice and proceed for surface seeding of wheat in that field. Low temperature favours the attack of Aphids in vegetables and field crops. At initial stage, the aphids may be controlled by spraying of neem based insecticide. However, if the insect population is much more then, spray insecticide like Profenophos @ 1 ml. per liter of water. Remove upper leaves of the plant of early potato, which is approaching maturity stage and may be dug within 7-10 days. Removing of leaves helps in hardening of the tuber and its skin. After digging of potato, prepare the field for onion or wheat cultivation. Farmers may also cultivate green fodder crops for their cattle.

SMS Advisory:

Proceed for the cultivation of wheat or onion after digging of early potato if having assured irrigation facility.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
WHEAT	Farmers wish to cultivate wheat may select its recommended irrigated varieties (K-1006, K-0307, Birsa gehun-3, HD-2967, DBW-39, DBW-187). 40 kg seeds, 80 kg Urea, 75 kg SSP and 15 kg Muriate of Potash are required for cultivation in one acre. Sow the seed in line at a distance of 20 cm (Row to row) and 7-8 cm. (Plant to plant). Crops sown in October month must be weed free. After weeding urea may be broadcasted after 25-30 days of sowing.

Crop(Varieties)	Crop Specific Advisory
RAPESEED	Crops at flowering stage are vulnerable of the attack of Aphids. To control the aphids spray the insecticide Profenophos or Emidachlorpryd @ 1 ml per litre of water. Occurance of white rust disease (white powder appears on leaves and stem) may take place in crop. Spray the fungicide Redomyl M-Z @ 1.5 gm per liter of water immediately as and when symptoms appear.
PIGEON PEA (RED GRAM/ARHAR)	Attack of Fruit borer insect is possible at pod formation stage. Farmers may visit the field regularly and spray immediately the insecticide Endoxacarb @ 0.5 ml per liter of water to control the insect in case of the attack of these insects.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Broadcast urea after earthing up in 25-30 old crop. Before urea application, weeding and irrigation is must. Farmers having assured irrigation facility and wish to cultivate potato may prepare their land and plant recommended varieties (Kufri Ashoka, Kufri Pukhraj, Kufri Kanchan, Kufri Pushkar, Kufri Lalima etc.) at a distance of 40-50 cm (row to row) and 15 cm (between 2 tubers) after possible rain during next 4 days. 12 quintal seeds (germinated tubers of 20-30 gram each), 40 kg Urea, 70 kg D.A.P., 80 kg Muriate of Potash and 10 kg Sulphur are required for cultivation in 1 acre.
VEGETABLE PEA	Farmers wish to cultivate table pea may prepare their land and select one of the recommended variety Arkel, Azad pea, Pusa Pragati, Kashi Nandini, P.M.- 113 etc. Sow the seed at a distance of 25 cm (row to row) and 15 cm (plant to plant). 40 kg seeds, 35 kg Urea, 200 kg S.S.P., 25 kg Muriate of Potash are required for cultivation in 1 acre.
ONION	Farmers wish to cultivate onion may start raising of seedling with one of the recommended varieties like Pusa Red, Pusa Ratnar, N-53, Arka Niketan, Arka Kalyan, Agrifound Dark Red etc. Mix abundant of the cow dung manure in the soil of nursery bed. Farmers may start transplanting with suitable seedling at a distance of 15 cm (row to row) and 10 cm (plant to plant).

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Complete the sowing of green fodder crops like Oat, Lucerne, Berseem etc. Take necessary action to protect the cattle against cold and avail mineral mixture in their diet. Vaccinate them against Foot and Mouth disease (FMD).

Others (Soil / Land Preparation) Specific Advisory:

Others (Soil / Land Preparation) (Varieties)	Others (Soil / Land Preparation) Specific Advisory
GENERAL ADVICE	The field, where soil moisture remains after harvesting of rice crops may be used for surface seeding of wheat. After harvesting of rice, the field may be divided into smaller plots according to slope & construct channels for irrigation & drainage. The seed rate will be 60 kg per acre (higher than normal cultivation). Seed should be treated with cow dung mixed in water in such a manner that one layer of cow dung remains on the seed and the seed does not adhere each other. Sowing may be done by broadcasting of seeds in such a manner that seed sticks in soil and use recommended dose of fertilizer (80 kg urea, 50 kg DAP and 25 kg Muriate of potash) after 15 days of sowing. Apply full dose of DAP and Muriate of potash as a basal dose and broadcast urea @ 40 kg per acre after 30 and 60 days of sowing.