

**BIDHAN CHANDRA KRISHI VISWAVIDYALAYA**  
**MEDIUM-RANGE WEATHER FORECAST AND AGRO-ADVISORY**  
**(Agromet Advisory Services, IMD, MoES)**

Directorate of Research,  
B.C.K.V., Kalyani.



E-mail : [aaskalyani@gmail.com](mailto:aaskalyani@gmail.com) ,  
[bhowmickmahasweta2012@gmail.com](mailto:bhowmickmahasweta2012@gmail.com)

From Kalyani (Nadia, WB)

*Weather Forecast for Murshidabad District*

**FORECAST PERIOD: : : 8<sup>th</sup> December to 12<sup>th</sup> Decemember, 2018**

**Weather forecast for next five days**

- No rainfall is expected during next .
- Clear sky is expected during next few days.
- Wind flow mainly from NW,N & E direction with 8.8 – 12.1 km/hr. speed during next 5 days is expected.
- Maximum relative humidity is expected to be around 49%-59% and minimum relative humidity is expected to be around 24% - 31%.
- Maximum temperature is expected to be around 26 °C -27°C and minimum temperature is expected to be around 13°C -14°C

**Agrometeorological Advisory :**

Crop	Stage	Advisory
Kharif rice	Maturing & Harvesting Stage	Keeping view in weather, harvesting of mature rice crop in this week may be done for short duration varieties.. After harvesting, crop should be dried in the field for 2-3 days and thereafter threshing should be done. Before storing, grains should be dried to bring down moisture level below 12 %.In the areas where paddy crop is about to mature, irrigation should be stopped two weeks before harvesting. Medium and long duration varieties may be harvested after 15 <sup>th</sup> Nov depending upon maturity of the crop. After harvesting crop should be dried in the field for 2-3 days and thereafter threshing should be done. Grains should be properly dried to right moisture level before storing.

Mustard	Sowing	Keeping temperature in view sowing of mustard should be done as earliest. After ploughing the field planking should be done. Seed rate: 1.5-2 kg per acre. Moisture level in the soil should be appropriate for proper germination; otherwise apply pre sowing irrigation. Before sowing seeds should be treated with Thiram or Captan @ 2-2.5 g/ kg of seeds. Line sowing is beneficial. In non-spreading varieties, row to row spacing should be 30 cm and in spreading cultivars spacing should be 45-50 cm. After germination, plant to plant spacing should be maintained at 12-15 cm by thinning. Before sowing, soil testing for sulfur should be done and in deficient areas 20 kg sulfur per hectare should be applied at last ploughing..
Gram	Sowing	Sowing of gram should be done in this week. Seed rate: - 60-80 kilogram for small and medium sized varieties and 80-100 kilograms for big sized varieties. R x R spacing to be maintained 30-35 cm. Varieties:- Kabuli type - Pusa 267, Pusa 1003, Pusa Chamatkar; local type – C235, Pusa 246, P.B.G. 1, Pusa 372. Before sowing, seed should be treated with <i>Rhizobium</i> culture and phosphorus solublesing bacteria.
Field Pea	Sowing	Keeping view in weather, sowing of pea should not be delayed as late sowing reduces the seed yield and exposes the crop to insect damage. Recommended cultivars: Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/kg and after that with crop-specific <i>Rhizobium</i> culture. A solution of jaggary and water after boiling should be allowed to cool down and then seeds along with <i>Rhizobium</i> should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.
Cabbage, Cauliflower, Broccoli, Tomato, Bean, Pointed Gourd	Vegetative	Transplanting of mature seedlings of cauliflower, cabbage, broccoli and tomato may also be done in raised bed. Recommended spacing should be maintained. Nursery preparation should be started for late crop which mature in January.
Potato	Sowing	Farmers are advised for planting of potato in between 15 <sup>th</sup> to 24 <sup>th</sup> Nov. N:P:K dose 150 : 150 : 150 kg / ha may give the good result . The crop matures in 80-90 days. 50 Recommended varieties:- Kufri Jyoti , Kufri Chandramukhi, Kufri Himalini etc.

Rabi Onion & Garlic	Vegetative	Weather is suitable for sowing of <i>rabi</i> onion. Seed rate- 10 kg/ha. Before sowing seeds should be treated with Captan @ 2.5 g/kg of seeds. Sowing of garlic can be done in raised bed. Application of FYM and phosphorus fertilizer is recommended.
Other Rabi Crops	Sowing	Field sanitization is advised before sowing of <i>rabi</i> crop. Bunds, channels, uncultivated fields and field roads should be cleaned by removing weeds also use fully decomposed FYM or compost before sowing of crops and vegetable as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.
Flowers like Marigold, Chrysanthemum & Gladiolus	Transplantng	Chrysanthemum and marigold should be transplanted in raised bed as earliest. Sowing of gladiolus should be done in prepared fields.
Spinach, Radish, Fenugreek, Coriander, Turnip	Sowing	This weather is suitable time for sowing of Radish ,Spinach- All Green, Pusa Bharti , Fenugreek-Pusa Kasuri , Coriander-Pant Haritama, Hybrids; Turnip- Pusa Swati, Local Red varieties etc.
Fishery	General	Apply Cow dung @ 100kg/bigha monthly basis in fish culture pond which enhance the growth of phytoplankton which will be consumed by fish.

---