



**Gramin Krishi Mausam Sewa**  
**District Level Agromet Advisory Bulletin**  
**ICAR Complex Branch**  
 Umiam, Meghalaya



## Agromet Advisory Bulletin

Date : 15-02-2022

Weather Forecast of District THOUBAL(Manipur) Issued On : 2022-02-15(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-02-16	2022-02-17	2022-02-18	2022-02-19	2022-02-20
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	25.0	25.0	24.0	24.0	26.0
Tmin(°C)	6.0	7.0	8.0	7.0	7.0
RH-I(%)	51	63	77	79	77
RH-II(%)	20	21	29	25	30
Wind Speed(kmph)	3.7	7.4	9.2	8.1	11.0
Wind Direction(Degree)	0	291	291	270	288
Cloud Cover(Octa)	0	0	0	0	2

### Weather Summary/Alert:

There is likely to have no rains during Wednesday to Sunday with max. temp. 24-26 oC & mini. temp. 6-8 oC. Relative humidity may reach upto 79 % (max) & 30 % (min). The average wind speed may be 4-11 km/hr. The extended range forecast indicates that during 20 to 26 February, 2022 rainfall and minimum temp. are likely to be normal; maximum temperature is likely to be below normal over the state.

### General Advisory:

1. Minimum of 6 feet distancing may be maintain in public places/ work places. Provisions for thermal screening and hand washing/ sanitization of hands may be made at all entry points. Avoid spitting at public places must be strictly maintained. Frequent sanitization of common facilities and work place may be done.  
 2. Wearing a mask correctly with clean hands during work time and afterwards helps to reduce the spread of COVID-19. Mask should cover nose and mouth and be changed frequently. Everyone should frequently wash their hands or use a hand sanitizer with at least 60% alcohol.  
 3. If you or anyone else in household has symptoms of COVID-19 like fever/ cough, they should isolate themselves and not use shared rooms/ utensils/ areas, if available, use separate toilet. Everyone in the household should wear masks.  
 4. Avoid crowded or poor ventilated spaces. Clean the tools properly after work.

### SMS Advisory:

Spray Coragen @ 2ml/15 lit of water against pod borer in rapeseed mustard. Spray Imidachloprid 17.8 SL @ 7-10ml/ 15 litre of water against aphid infestation on the crops.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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Crop(Varieties)	Crop Specific Advisory
RAPESEED	Rapeseed/ Mustard (flowering to fruiting) - Monitor insect pest infestation on the crop. - Avoid insect-pest sprays as far as possible if seed formation has started. - If incidence of Pieris brassica is observed (which bore the pods of rapeseeds of mustard) then spray Coragen @ 2ml/15 lit of water. - Spray Redomil MZ 72 WP @ 2g/ litre after 50-60 days of sowing or spray Garlic Bulb Extract (ST) @ 1% or Trichoderma harzianum against Downy mildew, Powdery mildew, white rust & Alternaria blight. - Use yellow plates for every 3 sq.m to attract the aphids. For organic control against aphid, sprays that consist of Azadirachtin, neem oil or Pyrethrin may be used. If the infestation is severe, then spray systemic insecticide like dimethoate once during afternoon hours only. - Spray Chloropyriphos @ 2ml/litre of water on the infected patches of Hairy caterpillar only.
RICE	Pre- Kharif Rice (Nursery preparation and seed collection) - Select the suitable variety of pre-kharif rice. Collect well filled healthy disease free seeds of the suitable rice variety from reliable source. - Depending on the availability of water land preparation for raising pre-kharif rice nursery may be done. Wet bed method for pre-kharif rice nursery: Prepare nursery bed of 700 m2 area for transplanting in one hectare field. Apply well decomposed FYM/ compost @ 1 t/ 700 m2 at final leveling. Seed rate is 60-65kg seeds in 700 m2 nursery plot. Soak and incubate the well filled disease free seeds before sowing. Treat seeds with Nativo @ 2g/ kg seed. Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Dry bed method/ Dapog (mat) method for pre-kharif rice nursery: Prepare 75 beds of 7.5 m long, 1.2 m width and 10 cm high for transplanting in a ha area. Arrangements should be made for channels in between rows of beds, to irrigate when required. Apply 25 kg FYM or compost along with 90 g nitrogen, 45 g phosphorus and 45 g potassium in the form of any chemical fertilizers for each bed. Soak and incubate the well filled disease free seeds before sowing. Treat seeds with Nativo @ 2g/ kg seed before sowing. Sow 60-65kg seeds in the raised beds. The seedlings get ready for planting in 25 to 30 days.
MAIZE	Rabi Maize (vegetative to flowering) - Keep soil moist during vegetative phase by mulching with paddy straw/ dried leaves. Monitor insect pest infestation. - Apply few granules of Carbofuran 3G in whorl of each plant in vegetative stage to avoid stem borer. - Weeding may be done.
LENTIL	Lentil (fruiting) - Monitor insect pest infestation and soil moisture status in crops. - Spray Chloropyriphos @ 2ml/litre of water on the hairy caterpillar infected patches only. - Spray Bayleton @ 7g/ 10 litres of water or spray Neem Seed Kernel Extract at 5% concentration for powdery mildew and nimbidicin (0.3%) to control rust disease. - Spray Imidachloprid 17.8 SL @ 7-10ml/ 15 litre of water against aphid.

### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Potato (tuber formation to maturity): - Keep soil moist during vegetative phase by mulching with paddy straw/ dried leaves. Monitor insect pest infestation. - Keep soil loose enough to facilitate in tuber enlargement process. - For seed: • Strict supervision on removal of unwanted plant type should be maintained. • Maturity days should be strictly maintained as per variety. Harvest the crop after 10-15 days after haulm cutting
ONION	Onion/ Garlic (bulb formation): - Avoid weed population growth in the plot to avoid insect pest infestation on the crop. - To prevent thrips in onion install blue sticky trap or spray Neem Seed Kernel extract @2ml/litre of water. - Keep soil loose enough to facilitate in bulb enlargement process.
CABBAGE	Cole Crops (transplanting to vegetative of late variety): - Transplant 3-4 weeks old cole crops seedlings (late variety) at 60x60cm spacing. - Avoid weed population growth in the plot to avoid insect pest infestation on the crop.
PUMPKIN	- Raising of cucurbits nursery like water-melon, cucumber, bottle gourd, sponge gourd, pumpkin, bitter gourd, etc. in poly-pouch and trays may be done under polyhouse. Maintain seedlings upto 4-5 leaves stage under the polyhouse and may be transplanted only when the temperature in the open field is favourable.
CHILLI	Chili (Nursery and main fiels preparation): - Raise chili nursery under polyhouse. Treat the seeds with Trichoderma viride @ 4 g / kg or Pseudomonas fluorescens @ 10 g/ kg and sow in lines spaced at 10 cm in raised nursery beds and cover with sand. Watering may be done to keep soil moist for proper growth. Drench the nursery with Copper oxychloride @ 2.5 g/l of water at 15 days interval against damping off disease. Apply Carbofuran 3G at 10 g/sq.m. at sowing. - Prepare main land/ field for transplanting seedlings.

Horticulture(Varieties)	Horticulture Specific Advisory
FRENCH BEAN	French bean/ bhindi (Sowing) - Sowing of French bean/ bhindi may be done in prepared land. Seed rate for dwarf varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) and 25-30kg/ha for pole-type (spacing is 60x60cm with 2-3 seeds per hill).

### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Cattle: - Protect animals from cold by covering the sheds with hessian cloths/ polythene sheet during night time. Provide artificial heat source. Increase energy feed like corn in their normal feed. Add vitamin in the drinking water at 5-10 days interval. - Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. - Vaccinate against B.Q., F.M.D. & H.S. if not yet vaccinated. - De-worm with Albomac suspension@60-90ml for 300kg body weight or 20-30ml for 100 kg body weight. - Provide clean and safe drinking water during rainy days.
PIG	Pig: - Protect animals from cold by covering the sheds with hessian cloths/ polythene sheet during night time. Increase energy feed like corn in their normal feed. Add vitamin in the drinking water at 5-10 days interval. Vaccinate against swine flu. If any suspect case is observed then consult State Veterinary Department and follow their instruction on the matter. - Provide mineral mixture of Selenium+Zinc and give Vitamin E & C to boost the immunity of the pigs. - Give Ivermectin (Indectin tab.) @ 10mg/33kg body weight against skin infection. - Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. - Ofloxacin tab twice daily for 5 days against Coccidial infection (Diarrhea).

### Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Poultry: - Protect birds from cold by covering the sheds with hessian cloths/ polythene sheet during night time. Increase energy feed like corn in their normal feed. Add vitamin in the drinking water at 5-10 days interval. - Provide artificial heat source. - Provide clean and safe drinking water during rainy days. - Avoid contact of domestic poultry with wild bird. - Increase energy feed upto 5% (like maize, rice bran, etc.). Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. - Mix neutralized lime powder @ 2 kg per 100 sq. ft. area in litter material. - Give Amprolium powder may be added in low dose in both feed (@25 g per 1000kg of mash) and drinking water (30g 25 lit of water) of poultry above 3 weeks of age against Coccidiosis. - Against Ranikhet Disease following may be done: 1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. 2. R2B vaccine at 8-9 weeks of age and 3. Killed ND virus vaccine at 16-18 weeks of age.