



Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin

ICAR Complex Branch

Umiam, Meghalaya



Agromet Advisory Bulletin

Date : 25-02-2022

Weather Forecast of THOUBAL(Manipur) Issued On : 2022-02-25(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-02-26	2022-02-27	2022-02-28	2022-03-01	2022-03-02
Rainfall(mm)	0.0	2.0	0.0	0.0	0.0
Tmax(°C)	24.7	24.5	24.8	25.2	25.8
Tmin(°C)	10.5	10.6	10.2	10.8	11.3
RH-I(%)	80	86	77	67	65
RH-II(%)	35	28	23	27	25
Wind Speed(kmph)	5.5	8.0	9.7	10.3	8.1
Wind Direction(Degree)	22	292	291	297	315
Cloud cover(octa)	5	6	3	0	0

Weather Summary/Alert:

There is likely to have no rains during Saturday to Wednesday with max. temp. 25-26 oC & mini. temp. 10-11 oC. Relative humidity may reach upto 86 % (max) & 35 % (min). The average wind speed may be 6-10 km/hr. The extended range forecast indicates that during 2 to 8 March, 2022 rainfall is likely to be below normal; maximum temperature and minimum temp. are likely to be 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 spiting 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:

Collect healthy ginger/ turmeric rhizome seeds for planting. Mix well decomposed FYM @ 20-25 t/ ha 15 days before planting. Treat rhizome seeds with *Trichoderma viride* @ 4 g / kg seeds.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RAPESEED	Rapeseed/ Mustard (fruiting to maturity) - Monitor insect pest infestation on the crop. - If incidence of <i>Pieris brassica</i> 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 <i>Trichoderma harzianum</i> against Downy mildew, Powdery mildew, white rust & <i>Alternaria</i> blight. - Use yellow plates for every 3m ² to attract the aphids. Considering rain forecast, sprays containing Azadirachtin/ neem oil/ Pyrethrin may be used. Spray Dimethoate once for severe infestation during afternoon hours only. - Spray Chloropyriphos @ 2ml/litre of water on the infected patches of Hairy caterpillar only.

Crop(Varieties)	Crop Specific Advisory
RICE	<p>Pre- Kharif Rice (Nursery raising) - 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. - Encircle the nursery plot with net to avoid carrying away of rice seeds from the plots by rain where seeds are just sown or not established well. 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.</p>
MAIZE	<p>Rabi Maize (flowering) - 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.</p>
LENTIL	<p>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 nimbicidin (0.3%) to control rust disease. - Spray Imidachloprid 17.8 SL @ 7-10ml/ 15 litre of water against aphid.</p>
GINGER	<p>- Land preparation for sowing ginger and turmeric may be done. - Plough land 2-3 times then planking may be done. Prepare beds of 15cm height and 1m width with spacing of 50cm between the beds. - Collect healthy quality rhizome seeds of suitable variety for planting. Mix well decomposed FYM @ 20-25 t/ ha 15 days before planting. Treat rhizome seeds with Trichoderma viride @ 4 g / kg seeds. Planting of rhizomes may be done at a plant to plant spacing of 30cm and 15-20 cm between the rows.</p>

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Potato (tuber formation to maturity): - 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): - 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 (vegetative of late variety): - Weeding may be done.
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 field 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.
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
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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
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Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	<p>Poultry: - Use Albendazole liquid @ 20-40 ml for 100 adult birds for deworming and repeat it next day with half the dose at regular interval of 3 weeks. - 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. - 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.</p>