



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



Agromet Advisory Bulletin

Date : 10-02-2023

Weather Forecast of District THOUBAL(Manipur) Issued On : 2023-02-10(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-02-11	2023-02-12	2023-02-13	2023-02-14	2023-02-15
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	26.0	26.0	26.0	27.0	27.0
Tmin(°C)	9.0	9.0	9.0	9.0	10.0
RH-I(%)	81	79	76	63	47
RH-II(%)	26	27	26	21	19
Wind Speed(kmph)	8.2	8.1	9.2	7.8	4.3
Wind Direction(Degree)	292	288	292	292	292
Cloud Cover(Octa)	0	0	0	0	0

Weather Summary/Alert:

There is likely to have no rains upto Wednesday with max. temp. 26-27 oC & mini. temp. 9-10 oC. Relative humidity may reach upto 81 % (max) & 27 % (min). The average wind speed may be 4-9 km/hr. The extended range forecast indicates that during 15 to 21 February, 2023 rainfall, maximum and minimum temperatures are likely to be normal over the state.

General Advisory:

- Provisions may be taken up regularly to protect birds and animals from cold. Proper care for feed and drinking water of birds and animals must be taken. - Monitor regularly for insect pest infestation. Monitor the water requirement in the crops field. Apply fertilizer to the crops at right stage as per recommended doses after soil testing. Before sowing or planting nurseries, soil and seed treatment must be practiced to avoid insect pest and diseases. - Mulching of soil in the crop field wherever possible to conserve soil moisture using disease/ insect pest free dried leaves/ paddy straw.

SMS Advisory:

If the soil is too dry in rapeseed/ mustard field, irrigate the crop field to ensure proper development of seeds. Prepare main field for transplanting pre-kharif rice seedlings.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RAPESEED	Rapeseed/ Mustard (fruiting) - Provide irrigation which is essential at this stage for sustaining favorable condition for seed formation. - For organic control, spray Neem Oil 0.5% @ 2ml/ litre water against aphid. For chemical control, spray Cypermethrin @ 2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid. - Spray Chloropyriphos @ 2ml/litre of water on the hairy caterpillar infected patches only. - Spray Imidachloprid 70 WS @ 0.7g/ litre water against sawfly larva. - If the soil is getting dry, give irrigation to keep soil moist.
RICE	Pre- Kharif Rice (nursery preparation and main field preparation) - Before first ploughing of main field for transplanting, apply well decomposed FYM @10-15 t/ha. After a cross

Crop(Varieties)	Crop Specific Advisory
	plough, irrigate the field upto 5-7 cm depth. Submerge soil for 15-20 days before planting to obtain weed free plot. Wet bed method for pre-kharif rice nursery: Prepare nursery bed of 700 m ² area for transplanting in one hectare field. Apply well decomposed FYM/ compost @ 1 t/ 700 m ² at final leveling. Seed rate is 60-65kg seeds in 700 m ² 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 (cob formation) - If the soil is getting dry, give irrigation to keep soil moist. - Plot may be covered with straw as mulch.
LENTIL	Lentil/ Field pea (fruiting) - Avoid weed population growth in the plot to avoid insect pest infestation on the crop. Spray Wettable Sulphur @2g/L water against Powdery Mildew. - Spray Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid on the infected patches only in field pea plot. For organic control against aphid, sprays that consist of Azadirachtin, Neem oil or Pyrethrin may be used.
GINGER	Ginger and Turmeric: (land preparation and seed collection) - Land preparation for sowing french bean and bhindi may be done. - Collect healthy quality rhizome seeds of suitable variety for planting.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Potato (tuber formation): - Plot may be covered with straw as mulch. - If cut-worm is observed then prepare poison bait of Trichlorfon (mixture of 1kg husk + 40g sugar + 5g Trichlorfon + water) and apply manually by putting near the stem of plant above the soil surface. - Spray Mancozeb 2 g/lit at 45, 60 and 75 days after planting against late blight and early blight after rains. - Spray Imidachloprid @ 1ml/ 3L water or Fipronil @ 2ml/ L water or Tracer (Spinosad) 48 SC @ 300ml/ ha against thrips infestation in potato.
ONION	Onion/ Garlic/ Radish/ Carrot (vegetative to harvesting and bulb formation in onion): - Avoid weed population growth in the plot to avoid insect pest infestation on the crop. - Apply 64kg urea/ sangam after 30-35 days after transplanting onion. To prevent thrips in onion install blue sticky trap or spray Neem Seed Kernel extract @2ml/litre of water. - If the onion crop is infested with mites, then dust the crop with Sulphur @ 20-25kg/ha. - Give light irrigation if the field soil is dry.
PUMPKIN	Cucurbits (Nursery and main field preparation for transplanting seedling): - 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. In the 50 kg mixture of garden soil, sand and FYM in the ratio 2:1:1 incorporate 2gm Captan 50W.P. Sow One seed per polybag and keep it covered with polythene sheet till the seeds sprout. - 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 for transplanting seedling): - 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.
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. Increase the energy feed like maize/ rice bran. Use bedding material. - 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.
PIG	Pig: - Protect animals from cold. Increase the energy feed like maize/ rice bran. Use bedding material. - Provide mineral mixture of Selenium+Zinc and give Vitamin E & C to boost the immunity of the pigs. - Vaccinate against swine flu. - Add Butox liquid @ 2 ml/ lit of water and use the solution twice a week while brushing the animal. - De-worming of animals should be done using Albendazole @7.5 mg/kg b.wt. - Deworming against Helminth parasites using Piperazine citrate @ 30 ml per adult animal once. - Ofloxacin tab twice daily for 5 days against Coccidial infection (Diarrhea). - Give mineral mixture like Vimicon and Ascagold suspension in pregnant sow @ 20g and 20ml resp. in feed.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Poultry: - Protect poultry birds from cold. Cover the wall with hessian cloth/ polythene sheet during night time. Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. - 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. - Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day. - Against Ranikhet Disease: 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.