



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



Agromet Advisory Bulletin

Date : 31-12-2021

Weather Forecast of THOUBAL(Manipur) Issued On : 2021-12-31(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-01-01	2022-01-02	2022-01-03	2022-01-04	2022-01-05
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	24.0	24.1	24.2	24.2	24.4
Tmin(°C)	7.0	6.9	6.9	6.5	6.4
RH-I(%)	87	88	85	85	85
RH-II(%)	41	46	43	41	35
Wind Speed(kmph)	4.5	6.6	5.5	4.7	4.9
Wind Direction(Degree)	27	90	107	288	90
Cloud Cover(Octa)	0	1	0	0	1

Weather Summary/Alert:

There is likely to have no rains during Saturday to Wednesday with max. temp. 24 oC & mini. temp. 6-7 oC. Relative humidity may reach upto 88 % (max) & 46 % (min). The average wind speed may be 5-7 km/hr. The extended range forecast indicates that during 5 to 11 January, 2022 rainfall is likely to be below normal, maximum temp. and minimum temperature 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 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 Cypermethrin @2ml/lit of water or Nuvan @ 0.5ml/ lit of water against aphid on the infected patches in pea plot. For organic control, use sprays of Azadirachtin, Neem oil or Pyrethrin.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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Crop(Varieties)	Crop Specific Advisory
RAPESEED	Rapeseed/ Mustard/ Rabi Maize (vegetative) - Thinning may be done if plant population is high. Monitor insect pest infestation on the crop. - 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. Use yellow plates for every 3 sq.m to attract the aphids. - Spray Chloropyriphos @ 2ml/litre of water on the hairy caterpillar infected patches only. - Spray Imidachloprid 70 WS @ 0.7g/ litre water against sawfly larva. - At 30 days after sowing, apply urea as foliar application of {5 pumps per sangam @ 10g/15lit of water} or apply urea fertilizer @ 32.5 kg/ha. - Keep soil moist during vegetative phase.
MAIZE	Rabi Maize (sowing) - It may be sown as intercrop with pea with 60cm width 40cm high ridges along east-west may be prepared after ploughing. Southern face may be sown with maize and northern with pea seeds. Ningtham chuzak (sowing) - Chuzakka hawai thaminnaba yani. Loufam semba loirakpada nongpok- nongchup maikai naina 60cm pakpa 40cm wangba paring naina semjinbiyu. Maru thabada paringgi makha thangbada chuzak thabiyu amadi awang thangbadana hawai thabiyu.
LENTIL	Lentil (vegetative) Monitor insect pest infestation and soil moisture status in crops at vegetative stage. - Spray Chloropyriphos @ 2ml/litre of water on the hairy caterpillar infected patches only.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Potato (vegetative): - Plot may be covered with straw as mulch. - 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.
GARDEN PEA	Pea/ Broad Bean(flowering to 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 in winter vegetables. - 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.
ONION	Onion/ Garlic/ Coriander/ Radish/ Carrot/ Fenugreek/ Spinach (vegetative to leaves harvesting): - Add FYM/ Compost and neem at final land preparation before sowing. - Sowing of seeds or bulblets may be done. After sowing the plot may be covered with straw/ wet gunny bags/ thin polythene sheets to avoid birds and insects. - Proper care must be taken for nursery of onion. Transplanting of mature onion seedlings may be done. - 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.
CABBAGE	Cole Crops (head formation and harvesting of main/ mid-season variety and nursery of late variety): - Spray Imidachloprid 17.8% SL @ 0.25 ml/ litre water against aphid in cole crops. - Protect young plants from fog/ frost. - Raise nurseries of cole crops (Late season variety) under low-cost poly house. Soil treatment of nursery bed, seed treatment and line sowing must be practiced for healthy nursery raising. - Avoid weed population growth in the plot to avoid insect pest infestation on the crop. - Avoid water stagnation in the crop field. - After rains, spray Wettable Sulphur @2g/L water against Powdery Mildew in winter vegetables. - Spray Metalaxyl 8% + Mancozeb 64% WP@2.5g/L water against white rust/ Alternaria in Winter leafy vegetables.

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.
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. - 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 Morantel citrate tablet (Banminth) @15mg/ kg body weight.. - 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 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. - Deworming against Helminth parasites using Piperazine liquid @ 30-40ml for 100 birds in drinking water. Again give half of the dose on second day. - Vaccinate against fowl pox. If already infected, paint with Iodine tincture or Betadine liquid daily on pox growth.