



# Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin

ICAR Complex Branch

Umiam, Meghalaya



## Agromet Advisory Bulletin

Date : 06-05-2022

Weather Forecast of THOUBAL(Manipur) Issued On : 2022-05-06(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-05-07	2022-05-08	2022-05-09	2022-05-10	2022-05-11
Rainfall(mm)	1.0	1.0	0.0	2.0	3.0
Tmax(°C)	30.0	30.0	29.0	29.0	29.0
Tmin(°C)	20.0	20.0	21.0	21.0	20.0
RH-I(%)	89	89	92	95	90
RH-II(%)	46	45	36	38	40
Wind Speed(kmph)	5.0	4.6	5.7	7.6	6.4
Wind Direction(Degree)	153	289	285	270	270
Cloud cover(octa)	7	7	5	5	5

### Weather Summary/Alert:

There is likely to have light to moderate rains during Saturday to Wednesday with max. temp. 29-30 oC & mini. temp. 20-21 oC. Relative humidity may reach upto 95 % (max) & 45 % (min). The average wind speed may be 5-7 km/hr. The extended range forecast indicates that during 11 to 17 May, 2022 rainfall is likely to be above normal, maximum temperature and minimum temp. are likely to be normal over the state.

### General Advisory:

1. Sanitization of common facilities and work place may be done. 2. Maintain distancing and wearing 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. 5. Harvest rain water during rains.

### SMS Advisory:

After considering the rain forecast, spray Chlorantraniliprole 18.5% SC or Thiamethoxam 12.6% + Lambda-cyhalothrin 9.5% ZC alternately in the field till the maize crop attain silking stage.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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Crop(Varieties)	Crop Specific Advisory
RICE	Pre- Kharif Rice (Panicle Initiation) - Ridges/ bunds around the crop field must be well constructed to avoid escape of water from the field especially before fertilizer application. Water requirement in the main field may be strictly monitored. Depending upon the availability of the water, minimum water level just to submerge the soil surface in the crop field may be maintained. - After 60 days of transplanting at panicle initiation stage hand weeding may be done or use cono-weeder for weeding. Drain out excess water and top dress with Urea @33kg /ha. Irrigate again after 48 hours of fertilizer application. For Kharif rice: (nursery raising) - 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.
GINGER	Ginger/ Turmeric (Vegetative): - Avoid high weed population in fields with crops in vegetative stage. Mulching with insect –pest free straw/ dried leaves shall help to conserve soil moisture, avoid intense weed population and provide nutrients later after decomposition. - Prepare to avoid excess rain water logging in the crop field. - To prevent root/ rhizome rot drench the soil with Mancozeb @3g/ L water or Metalaxyl @ 1.25 g/ L water. - To prevent bacterial wilt, drench the soil with Copper oxychloride @3g/ L water immediately after disease is seen in the field.
SOYABEAN	Soybean/ groundnut: (sowing) - Treat seeds with Thiram@2g/ kg seeds and sow after 24hrs. If seed treatment is to be done with Trichoderma viride, treat @ 3g/kg seed just before sowing. - Inoculate groundnut seed kernel with rhizobium and phosphor-bacteria before sowing.
MAIZE	Summer Maize (flowering to cob formation) - keep four birds' perches and eight pheromone traps per sangam against fall army worm. After considering the rain forecast, spray Chlorantraniliprole 18.5% SC or Thiamethoxam 12.6% + Lambda-cyhalothrin 9.5% ZC alternately in the field till the crop attain silking stage.

#### Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
COLOCASIA/ TARO	Colocasia: (vegetative) - Weeding may be done in the field with crop at vegetative stage where the soil moisture is favorable for the practice. - Prepare to avoid excess rain water logging in the crop field.
PUMPKIN	Cucurbits (water-melon, cucumber, bottle gourd, sponge gourd, pumpkin, bitter gourd, etc.) (vegetative): - Prepare to avoid excess rain water logging in the crop field. - Avoid high weed population in fields with crops in vegetative stage. Mulching with insect –pest free straw/ dried leaves shall help to conserve soil moisture, avoid intense weed population and provide nutrients later after decomposition. - To control Red Pumpkin Beetle, use Methyl Euginol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyriphos (0.05%) may be sprayed after rains. To prevent mite in the lower surface of leaves, use Neem oil @ 2-3 ml / litre of water.
CHILLI	Chili (vegetative): - Prepare to avoid excess rain water logging in the crop field. - In chilies and capsicum, spray Sixer (Carbendazim + Mancozeb) @ 2 g per litre of water to control the fungal attack. - Spray Wettable Sulphur 80% WP @2g/L water or Dicofol 18.5 EC @5.4ml/ L water or Spiromesifen 22.90 SC @ 8ml/ 10 litre water over the crop, especially underneath the leaf against yellow mite. - Spray Imidacloprid 70% W.G. @ 2g/15 L water against Aphid. Sprays must cover under the leaves of the plant. - Avoid high weed population in fields with crops in vegetative stage. Mulching with insect –pest free straw/ dried leaves shall help to conserve soil moisture, avoid intense weed population and provide nutrients later after decomposition.
FRENCH BEAN	French bean/ bhindi (vegetative) - Prepare to avoid excess rain water logging in the crop field. - Avoid high weed population in fields with crops in vegetative stage. Weeding may done where the soil moisture is favorable for the practice. Mulching with insect –pest free straw/ dried leaves shall help to conserve soil moisture, avoid intense weed population and provide nutrients later after decomposition. - For French bean prepare staking structures for better growth.

#### Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
COW	Cattle: - Prepare to avoid rain water logging in and around the shed. - Protect animals from rains and provide clean drinking water. - 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: - Prepare to avoid rain water logging in and around the shed. - Protect animals from rains and provide clean drinking water. - 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).

### Fisheries Specific Advisory:

Fisheries(Varieties)	Fisheries Specific Advisory
CARP	Fish (Nursery Pond for Common Carp and Grass Carp) - Dykes/ bunds around the fish ponds may be raised high and encircle with happa net to avoid escape of fishes from pond. - Harvest rain water and treat before using it for fish culture. - Fish ponds renovation or digging of new fish ponds may be done. - Spawn production may be started. - Prepare fish nursery ponds of 1.5m depth. Maintain water depth of 1m in the pond. - Apply lime @300kg/ha. pH of pond water should be maintained at 7.0-7.5 and apply manure with a slurry of RCD @5000kg/ha. - Apply oil emulsion {oil and detergent (1:3)}, 12-24 hours before stocking spawn to remove unwanted organisms/ insects. - Stocking of 5-6 million spawns per hectare pond may be done. Later thinning may be done when required. - Well balanced feeds should be provided 2-3 times a day @ 5-10% body weight/day

### Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Poultry: - Prepare to avoid rain water logging in and around the shed. - Protect birds from rains and provide clean drinking water. - 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. - 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.