



# Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin

ICAR Complex Branch

Umiam, Meghalaya



## Agromet Advisory Bulletin

Date : 14-06-2022

Weather Forecast of THOUBAL(Manipur) Issued On : 2022-06-14(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-06-15	2022-06-16	2022-06-17	2022-06-18	2022-06-19
Rainfall(mm)	17.0	13.0	17.0	31.0	29.0
Tmax(°C)	31.0	31.0	31.0	33.0	33.0
Tmin(°C)	22.0	22.0	24.0	24.0	24.0
RH-I(%)	97	92	95	96	96
RH-II(%)	59	66	70	84	93
Wind Speed(kmph)	6.1	4.4	5.2	5.2	3.4
Wind Direction(Degree)	296	290	250	240	290
Cloud cover(octa)	7	8	8	8	8

### Weather Summary/Alert:

There is likely to have light to moderate rains during Wednesday to Sunday with max. temp. 31-33 oC & mini. temp. 22-24 oC. Relative humidity may reach upto 97 % (max) & 93 % (min). The average wind speed may be 3-6 km/hr. The extended range forecast indicates that during 19 to 25 June, 2022 rainfall is likely to be above normal, maximum temperature is likely to be below normal 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. 6. General public must keep updated information about the spread of monkey pox. All must be made aware of precautionary measures to avoid its spreading.

### SMS Advisory:

Proper drainage system to drain out excess water from the crop fields. Proper staking system may be made to avoid plants to touch soil. Avoid direct draining in of rain water into the fish ponds.

### Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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Crop(Varieties)	Crop Specific Advisory
RICE	Pre- Kharif Rice (grain filling to maturity) - Water level in the main field may be strictly monitored. Excess rain water may be drained out to avoid loss to the crop. For Kharif rice: (nursery raising to maturity) - Drain out excess water from the nursery plot selected. - Community nursery may be prepared in the field which is slightly elevated to avoid loss of nurseries due to water logging by rain water in low lying fields. - After water level becomes normal, prepare nursery bed of 700 m <sup>2</sup> area for transplanting in one hectare field. Apply well decomposed FYM/ compost @ 1 t/ 700 m <sup>2</sup> at final leveling. Seed rate is 60-65kg seeds in 700 m <sup>2</sup> nursery plot. - Soak and incubate the well filled disease free seeds before sowing. Treat seeds with Natio@2g/kg seed.
GINGER	Ginger/ Turmeric (Vegetative to rhizome initiation): - 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: (vegetative) - Weed control must be strictly done at least upto 45 days after sowing for healthy growth of the crops. - Prepare to avoid excess rain water logging in the crop field.
MAIZE	Maize (land preparation to sowing) - If the fields have attained optimum soil moisture status for land preparation, prepare land for sowing kharif maize. - After rains, sow maize seeds after seed treatment with Carbendazim @ 2g/kg seeds. - Prepare to avoid excess rain water logging in the crop field.

#### 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.) (flowering to fruiting and harvesting): - Prepare to avoid excess rain water logging in the crop field. - Proper staking may be provided to avoid touching of soil fruits/ leaves. Pluck old lower leaves for better aeration and increase the availability of sunlight at the base of the crop. - 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. - Harvest mature crops before rains.
CHILLI	Chili (flowering to fruiting and harvesting): - Prepare to avoid excess rain water logging in the crop field. - Harvest mature crops before rains.
FRENCH BEAN	French bean/ bhindi (flowering to fruiting and harvesting) - Prepare to avoid excess rain water logging in the crop field. - For French bean prepare staking structures for better growth. - Harvest mature crops.
CABBAGE	Cole Crops (Cauliflower/ Cabbage/ Broccoli) (nursery raising): - Raise nursery of cole crops under low cost polyhouse. Seed rate is 600-750g/ha for early variety.

#### 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.

Live Stock(Varieties)	Live Stock Specific Advisory
PIG	Pig: - Prepare to avoid rain water logging in and around the shed. - Protect animals from rains and provide clean drinking water. - Band import of pigs from neighboring states/ country. Rinsing with sodium hypochlorite (200 ppm chlorine) and Ethyl alcohol (70 % in water) of skin may be done. Check on availability and quality of feeds and water; give steam/boil feeds, provision may be made for balanced ration with high fiber with leguminous feed and complete stoppage on the importation on the hay, straw and vegetables till the outbreak is ended.

#### 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 / 1000kg of mash) and drinking water (30g/ 25 lit of water) of poultry above 3 weeks of age against Coccidiosis.