



# Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin

ICAR Complex Branch

Umiam, Meghalaya



## Agromet Advisory Bulletin

Date : 12-07-2022

Weather Forecast of THOUBAL(Manipur) Issued On : 2022-07-12(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-07-13	2022-07-14	2022-07-15	2022-07-16	2022-07-17
Rainfall(mm)	12.0	10.0	13.0	30.0	27.0
Tmax(°C)	33.0	34.0	31.0	31.0	34.0
Tmin(°C)	23.0	24.0	26.0	26.0	24.0
RH-I(%)	89	89	88	91	96
RH-II(%)	53	53	45	55	54
Wind Speed(kmph)	6.4	6.9	11.9	10.0	5.7
Wind Direction(Degree)	110	112	99	103	292
Cloud cover(octa)	5	4	6	4	5

### Weather Summary/Alert:

There is likely to have light rains during Wednesday to Sunday with max. temp. 31-34 oC & mini. temp. 23-26 oC. Relative humidity may reach upto 96 % (max) & 55 % (min). The average wind speed may be 6-12 km/hr. The extended range forecast indicates that during 17 to 23 July, 2022 rainfall is likely to be below normal, minimum temperature likely to be normal and maximum temperature. is likely to be above normal over the state.

### General Advisory:

1. Masks and Frequent Hygiene Measures: Wearing a mask during work time and afterwards helps reduce the spread of COVID-19. Everyone should wear a mask correctly. It should cover your nose and mouth and be changed frequently. Everyone should frequently wash their hands or use a hand sanitizer with at least 60% alcohol. 2. Hygiene and Precaution: When coming back from the fields, wear a mask, wash hands, use hand sanitizer, and wash worker's clothes separately. Cover your mouth and nose with a tissue when you cough or sneeze. 3. Clean and Safe Household: People should stay at least 6 feet apart in shared areas. Don't share your tools and utensils. Keep all frequently touched surfaces clean. Maintain proper ventilation by opening windows and doors. 4. People at High Risk: If you or anyone else in your household is at high risk (older adults and people with illnesses), you should take additional physical distancing and hygiene precautions. 5. If Anyone Is Sick: If you or anyone else in household has symptoms of COVID-19 like fever/ cough, they should isolate and not use shared rooms/ utensils/ areas, if available, use separate toilet. Everyone in the household should wear masks. 6. Medical Assistance: Ask your health care provider about treatment for COVID-19 and how to get a vaccine. COVID-19 vaccines are safe and available, regardless of your immigration or health insurance status. 7. Get Vaccinated: COVID-19 vaccines are safe. Everyone should get vaccinated to protect ourselves, our families, and friends. Get 1st dose of Covid-19 vaccine and after 12-16 weeks get 2nd dose of it. 8. Clean the work tools properly after the work. 9. Consider cancelling all public or nonessential group activities and events. 10. Taking care of ourselves only can help in reducing the spread of Covid-19.

### SMS Advisory:

Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. 16- 21days old seedling may be transplanted. Transplant within 2 days of uprooting.

**Crop Specific Advisory:**

Crop(Varieties)	Crop Specific Advisory
RICE	Kharif rice: (nursery raising for late transplanting to main land preparation and transplanting) - Community nursery or Dapog nursery or Dry nursery beds may be prepared for raising nursery upto 15th July. - Water level just to submerge the soil surface in the kharif-rice nursery field may be maintained. Avoid higher water level in nursery plot. - Land preparation for transplanting of rice seedlings may be started. Apply 65kg Urea, 250 kg SSP and 45 kg MOP per hectare at the time of final leveling. 16- 21days old seedling may be transplanted. Transplant within 2 days of uprooting. - About 1200 to 1300 bundles of seedlings (40cm diameter) may be required for transplanting one hectare area. - Seedling of Main season rice can be raised upto first week of July and can be transplanted within 3rd week of July (for late transplanting). - For Direct seeding with drum seeder, soak well filled disease free seeds of rice and incubate to favour germination. Use slightly germinated seeds. Treat seed treatment with Humicil @ 5ml/kg seed. Puddle the field properly and level it. Drain out water 24 hrs before sowing. - Use Blue Sticky Cards@ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
GINGER	Ginger/ Turmeric (rhizome formation): - 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. - Weeding and earthing up may be done to enhance root development after rains. Repeat green leaves mulching after inter-culture operations @ 7.5t/ ha. - To prevent Leaf Spot disease, apply Bordeaux mixture (5:5:50) after 4 – 5 weeks of sowing or Captan @ 1.5 g/l of water after rains. - Short duration French Bean may sown as inter-crop.
SOYABEAN	Soybean/ groundnut: (vegetative) - For the crops in vegetative stage, if the weed population is high then weeding may be done when the soil condition permits after rains. Construct proper drainage system in and around the crop field to avoid water stagnation especially during rainy days. - Weed control must be strictly done in the field upto 60 days after sowing for healthy growth of the crops. - If incidence of hairy caterpillar is observed then weeding may be done and spray Dichlorovos 76% EC @ 1ml/ lit of water along the field bunds by making trenches.
MAIZE	Maize (vegetative) - Avoid weed in the crop field. - Prepare to avoid excess rain water logging in the crop field.

**Horticulture Specific Advisory:**

Horticulture(Varieties)	Horticulture Specific Advisory
COLOCASIA/ TARO	Colocasia: (vegetative) - For the crops in vegetative stage, if the weed population is high then weeding may be done when the soil condition permits after rains. - As prophylactic measure against leaf blight, spray Redomil @ 1.5g/ litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after the wet spell.
PUMPKIN	Cucurbits (water-melon, cucumber, bottle gourd, sponge gourd, pumpkin, bitter gourd, etc.) (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. - Harvest mature crops before rains.
CHILLI	Chili (fruiting and harvesting): - Prepare to avoid excess rain water logging in the crop field. - Harvest mature crops before applying insect-pest sprays.
FRENCH BEAN	French bean/ bhindi (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.

Horticulture(Varieties)	Horticulture Specific Advisory
ORANGE	For grown-up trees, apply 450 g Urea, 1000 g SSP, 400 g MOP and 50 g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water against disease and Imidachloprid @ 5 ml/10 lit water against insect pest. - If lichen (fungus + algae) is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate. Prune the disease infected twigs and burn them outside the farm area. Spray Copper oxychloride @ 3ml/lit to control fungal disease.
LEMON	For grown-up trees, apply 400g Urea, 550g SSP, 250g MOP and 50g Borax per plant. Spray Ridomil @ 2.5 g/lit or Carbandazim @ 10 g/15 litres of water against disease and Imidachloprid @ 5 ml/10 lit water against insect pest. - If lichen (fungus + algae) is observed, then scrap out the affected area and paint with Bordeaux paste or Benlate. Prune the disease infected twigs and burn them outside the farm area. Spray Copper oxychloride @ 3ml/lit to control fungal disease.

### 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. Provide clean drinking water - Vaccinate pigs against Swine flu. - 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) - Treat one hectare pond with a mixture of 100kg Common Salt + 10 kg Garlic paste soaked overnight. - 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. - 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	Give Amprolium @ 2 g/ litre of drinking water for 5-7 days against Coccidiosis. Provide clean drinking water during rainy days. Check for leakage in the sheds. Proper care must be taken to avoid flies and mosquitoes. Monitor regularly the health status of the birds. Treatment must be provided after consulting experts at earliest possible. Add sanitizer in drinking water during rainy days.