



Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin

ICAR Complex Branch

Umiam, Meghalaya



Agromet Advisory Bulletin

Date : 01-07-2022

Weather Forecast of THOUBAL(Manipur) Issued On : 2022-07-01(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-07-02	2022-07-03	2022-07-04	2022-07-05	2022-07-06
Rainfall(mm)	5.0	9.0	7.0	8.0	2.0
Tmax(°C)	32.0	32.0	31.0	31.0	31.0
Tmin(°C)	25.0	25.0	24.0	24.0	24.0
RH-I(%)	97	98	97	96	95
RH-II(%)	70	62	64	63	58
Wind Speed(kmph)	4.4	6.0	4.9	4.0	5.6
Wind Direction(Degree)	290	279	285	281	112
Cloud cover(octa)	5	7	7	8	8

Weather Summary/Alert:

There is likely to have light during Wednesday to Sunday with max. temp. 31-32 oC & mini. temp. 24-25 oC. Relative humidity may reach upto 98 % (max) & 70 % (min). The average wind speed may be 4-6 km/hr. The extended range forecast indicates that during 6 to 12 July, 2022 rainfall, 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:

If incidence of hairy caterpillar is observed in soybean/ groundnut, weeding may be done and spray Dichlorovos 76% EC @ 1ml/ lit of water along the field bunds by making trenches.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
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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 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. - At 45 days after planting, weeding and earthing up may be done to enhance root development after rains. Repeat green leaves mulching after inter-culture operations @ 7.5t/ ha. Apply 100 Kg Urea and 300 Kg SSP per hectare at 2-3 months after planting. - 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.
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 (sowing to vegetative) - 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) - After the wet spell, earthing up may be done in 45-50 days old plants and top dress with 25 kg DAP/ sangam. - 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.) (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 applying insect-pest sprays. - Spray Spinetoram 11.7% SC @5ml/ 10 litre water against Thrips/ Fruit Borer. - Spray Fenazaquin 10 EC @ 2ml/ litre water against yellow mite. - Spray Neem Oil @3ml/ litre water against aphid.
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.
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) - 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.