



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



Agromet Advisory Bulletin

Date : 17-03-2022

Weather Forecast of District THOUBAL(Manipur) Issued On : 2022-03-17(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-03-18	2022-03-19	2022-03-20	2022-03-21	2022-03-22
Rainfall(mm)	0.0	0.0	0.0	0.0	0.0
Tmax(°C)	34.0	34.0	33.0	33.0	31.0
Tmin(°C)	16.0	16.0	15.0	15.0	16.0
RH-I(%)	53	52	57	53	57
RH-II(%)	11	14	16	17	19
Wind Speed(kmph)	6.0	5.5	9.7	9.7	8.7
Wind Direction(Degree)	296	291	292	292	287
Cloud Cover(Octa)	0	1	3	1	2

Weather Summary/Alert:

There is likely to have no rains during Friday to Monday but light rains on Tuesday with max. temp. 31-34 oC & mini. temp. 15-16 oC. Relative humidity may reach upto 57 % (max) & 19 % (min). The average wind speed may be 5-10 km/hr. The extended range forecast indicates that during 23 to 29 March, 2022 rainfall is likely to be below normal; maximum temperature is likely to be normal and minimum temp. is likely to be above 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.

SMS Advisory:

Preparation of pits or field for planting tree bean/ lime/ lemon/ khasi mandarin/ banana may be done. Collect quality planting material from reliable source.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RAPESEED	Rapeseed/ Mustard (maturity to harvesting) - Crop may be harvested when 75% of the siliquae mature/ turned yellow. The crop should be harvested in the morning before drying of morning dew to avoid shattering of pods. Heap the uprooted plants for maturing. - After proper drying of healthy disease free plants, thresh, clean and store the rapeseed/ mustard seeds.

Crop(Varieties)	Crop Specific Advisory
RICE	Pre- Kharif Rice (Main field preparation and transplanting) - Before first ploughing of main field for transplanting, apply well decomposed FYM @10-15 t/ha. After a cross plough, irrigate the field upto 5-7 cm depth. Submerge soil for 15-20 days before planting to obtain weed free plot. - 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 strictly monitor during early vegetative stages till the plants are established after transplanting. - Apply fertilizer @ 66 kg Urea, 250 kg SSP and 32 kg MOP per hectare at the time of final leveling before transplanting. - Transplanting of 20-25 days old seedlings may be done. Dip the seedlings for 12hrs in Carbendazim solution (1g/ L) before transplanting. - Transplant the seedlings within 2 days after uprooting to avoid transplanting shocks. - After 3-5 days of transplanting, maintain water level at 3-4 inches.
GINGER	Ginger/ Turmeric (Planting): - Land preparation for sowing ginger and turmeric may be done. - Plough land 2-3 times then planking may be done. Prepare beds of 15cm height and 1m width with spacing of 50cm between the beds. - Collect healthy quality rhizome seeds of suitable variety for planting. Mix well decomposed FYM @ 20-25 t/ ha 15 days before planting. Treat rhizome seeds with Trichoderma viride @ 4 g / kg seeds. Planting of rhizomes may be done at a plant to plant spacing of 30cm and 15-20 cm between the rows.
SOYABEAN	Soybean/ Groundnut (Seed collection and land preparation) - Procure insect pest free healthy seeds of soybean/ groundnut. Get the soil testing done for proper fertilizer application. If soil is acidic i.e., PH level is below 6.5 then liming in furrows is required @ 500kg/ ha for good yield.
MAIZE	Summer Maize (Seed collection and land preparation) - Procure insect pest free healthy seeds of summer maize.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
ONION	Onion/ Garlic (bulb formation to Maturity): - Water requirement in the crop field may be monitored and maintained regularly. Keep the soil loose enough to favour bulb formation. - Monitor insect pest infestation and water requirement in the crop field. - Spray Sixer @ 2 gm/lit of water as prophylactic measure against Purple Bloch and bulb rot. Spray is to be given twice at an interval of 7 to 10 days.
CABBAGE	Cole Crops (Head formation of late variety): - Monitor insect pest regularly. - Weeding may be done. - Maintain water requirement of crop field.
PUMPKIN	Cucurbits (water-melon, cucumber, bottle gourd, sponge gourd, pumpkin, bitter gourd, etc.): - Raising of cucurbits nursery like water-melon, cucumber, bottle gourd, sponge gourd, pumpkin, bitter gourd, etc. in poly-pouch and trays may be done under polyhouse. Maintain seedlings upto 4-5 leaves stage under the polyhouse and may be transplanted only when the temperature in the open field is favourable. - Transplant already raised 4-leaf stage seedlings under low-cost polyhouse. Light watering must be done for already transplanted seedlings for better establishment of the plants. If transplanted in open field then mulching materials like paddy straw should be used to protect young plants.
CHILLI	Chili (Nursery and main field preparation): - Before uprooting for transplanting in main field water the nursery bed to loosen the soil to avoid harm to roots and dip in Carbendazim @ 3g per litre of water for 30 min before transplanting. - Thoroughly prepare the field and form ridges and furrows at a spacing of 60 cm. Apply 2 kg/ha of Azospirillum and 2 kg / ha of Phosphobacteria by mixing with 20 kg of FYM. Irrigate the furrows and transplant 40-45 days old seedlings. - After transplanting chilli, temporary structures may be used to protect young plants.
FRENCH BEAN	French bean/ bhindi (Sowing) - Land preparation for sowing french bean and bhindi may be done. - Collect healthy quality seeds of suitable variety for planting. - Treat seeds with Carbendazim@ 2g/kg seeds before sowing. - Seed rate for dwarf varieties is 65kg/ha (spacing is 30x45 cm from seed to seed and row to row) and 25-30kg/ha and for pole-type (spacing is 60x60cm with 2-3 seeds per hill). - Apply 25-30 t of well decomposed FYM may be applied at final land preparation. Apply 12-13 kg Urea, 12-15 kg SSP and 40-45 kg MOP per ha at the time of sowing. - Give light irrigations after 2-3 days of sowing.

Live Stock Specific Advisory:

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. - Provide clean and safe drinking water during rainy days.
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. Vaccinate against swine flu. If any suspect case is observed then consult State Veterinary Department and follow their instruction on the matter. - 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 (Pond renovation) - Fish ponds renovation or digging of new fish ponds may be done. - Healthy brooders collection of desired varieties may be done for spawn production.

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Poultry: - 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. - 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. - Provide clean and safe drinking water during rainy days. - Increase energy feed upto 5% (like maize, rice bran, etc.). Add antibiotic, Hostacycline/ Duaprin @ 2 g/ lit of drinking water for 7 days along with vitamin B & vitamin A. - 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. - Against Ranikhet Disease following may be done: 1. F-1 Strain may be first administered within 7 days of age and second dose may be given at 30days. 2. R2B vaccine at 8-9 weeks of age and 3. Killed ND virus vaccine at 16-18 weeks of age.