



Gramin Krishi Mausam Sewa

District Level Agromet Advisory Bulletin

ICAR Complex Branch

Umiam, Meghalaya



Agromet Advisory Bulletin

Date : 19-04-2022

Weather Forecast of THOUBAL(Manipur) Issued On : 2022-04-19(Valid Till 08:30 IST of the next 5 days)

Parameter	2022-04-20	2022-04-21	2022-04-22	2022-04-23	2022-04-24
Rainfall(mm)	3.0	0.0	2.0	0.0	2.0
Tmax(°C)	29.0	28.0	28.0	28.0	29.0
Tmin(°C)	21.0	21.0	21.0	19.0	19.0
RH-I(%)	83	80	89	91	94
RH-II(%)	32	35	34	36	38
Wind Speed(kmph)	8.5	9.0	10.6	10.0	9.9
Wind Direction(Degree)	297	292	292	294	292
Cloud cover(octa)	7	8	6	5	6

Weather Summary/Alert:

There is likely to have light rains during Wednesday to Saturday but no rains on Sunday with max. temp. 28-29 oC & mini. temp. 19-21 oC. Relative humidity may reach upto 94 % (max) & 38 % (min). The average wind speed may be 9-11 km/hr. The extended range forecast indicates that during 24-30 April, 2022 rainfall is likely to be above normal; maximum temperature is likely to be below normal and minimum temp. is 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.

SMS Advisory:

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 chilli crop, especially underneath the leaf against yellow mite.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Pre- Kharif Rice (Tillering) - Water level should be maintained at 5-8 cm during vegetative stage. - After 25 days of transplanting, drain out excess rain water and top dress crop with 33kg Urea/ha. Irrigate again after 48 hours of fertilizer application. - Application of 30kg Carbofuran (3G)/ ha with first top dressing of fertilizer to protect crop from insect pest and nematodes.

Crop(Varieties)	Crop Specific Advisory
GINGER	Ginger/ Turmeric (Planting to early vegetative): - 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. - 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.
SOYABEAN	Soybean/ Groundnut (land preparation to planting) - 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 (sowing to vegetative) - Sow insect pest free healthy seeds of summer maize in prepared field. - Proper drainage must be made to avoid water logging in crop field.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
COLOCASIA/ TARO	Colocasia: (seed collection to land preparation) - Prepare land for planting colocasia. 25-35g weighing side tuber may be used for planting. Nearly 1200 Kg of healthy side corm may be used for planting one hectare.
PUMPKIN	Cucurbits (water-melon, cucumber, bottle gourd, sponge gourd, pumpkin, bitter gourd, etc.) (Transplanting to vegetative): - 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. - 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 Eugenol as trap @ 4-10 traps/ sangam or Carbaryl (0.2%) or Chloropyrifos (0.05%) may be sprayed after rains.
CHILLI	Chili (Transplanting to vegetative): - 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. - Temporary structures may be used to protect young plants. - 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 (Sowing to vegetative) - 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. - 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.

Live Stock Specific Advisory:

Live Stock(Varieties)	Live Stock Specific Advisory
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Live Stock(Varieties)	Live Stock Specific Advisory
COW	Cattle: - 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: - 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) - 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: - 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. - 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.