



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



Agromet Advisory Bulletin

Date : 21-03-2023

Weather Forecast of District THOUBAL(Manipur) Issued On : 2023-03-21(Valid Till 08:30 IST of the next 5 days)

Parameter	2023-03-22	2023-03-23	2023-03-24	2023-03-25	2023-03-26
Rainfall(mm)	5.0	5.0	2.0	0.0	0.0
Tmax(°C)	28.0	28.0	30.0	30.0	33.0
Tmin(°C)	15.0	15.0	14.0	14.0	16.0
RH-I(%)	92	93	83	79	79
RH-II(%)	44	42	34	31	30
Wind Speed(kmph)	9.7	10.4	10.4	9.6	10.1
Wind Direction(Degree)	288	270	288	289	289
Cloud Cover(Octa)	6	5	5	0	2

Weather Summary/Alert:

There is likely to have rains during Wednesday to Sunday with max. temp. 28-33 oC & mini. temp. 14-16 oC. Relative humidity may reach upto 93 % (max) & 44 % (min). The average wind speed may be 10 km/hr. The extended range forecast indicates that during 26 March to 1 April, 2023 rainfall is likely to be below normal, maximum and minimum temperatures are likely to be normal over the state.

General Advisory:

- Harvest rain water during rainy days. - Proper care for feed and drinking water of birds and animals must be taken. - Monitor regularly for insect pest infestation in the crops in fields and storage units. Monitor the soil moisture status in the crops field. Apply fertilizer to the crops at right stage as per recommended doses after soil testing. Before sowing or planting nurseries, soil and seed treatment must be practiced to avoid insect pest and diseases. - Mulching of soil in the crop field wherever possible to conserve soil moisture using disease/ insect pest free dried leaves/ paddy straw.

SMS Advisory:

Mix well decomposed FYM @20-25 t/ha before planting ginger/ turmeric. Treat rhizome seeds with Trichoderma viride @ 4 g / kg & plant at spacing of 30x15-20cm.

Crop Specific Advisory:

Crop(Varieties)	Crop Specific Advisory
RICE	Pre- Kharif Rice (nursery preparation and main field preparation for 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. - The seedlings get ready for planting in 25 to 30 days. - Dip the pre-kharif rice seedlings for 12hrs in Carbendazim@1g/L water after uprooting and maintain water level just to submerge soil surface then raise it to 5-8cm after 3-4 days of transplanting. Wet bed method for pre-kharif rice nursery: Prepare nursery bed of 700 m2 area for transplanting in one hectare field. Apply well decomposed FYM/ compost @ 1 t/ 700 m2 at final leveling. Seed rate is 60-65kg seeds in 700 m2 nursery plot.

Crop(Varieties)	Crop Specific Advisory
	Soak and incubate the well filled disease free seeds before sowing. Treat seeds with Nativo @ 2g/ kg seed. Nursery bed should be well puddled and leveled to avoid uneven stagnation of water. Dry bed method/ Dapog (mat) method for pre-kharif rice nursery: Prepare 75 beds of 7.5 m long, 1.2 m width and 10 cm high for transplanting in a ha area. Arrangements should be made for channels in between rows of beds, to irrigate when required. Apply 25 kg FYM or compost along with 90 g nitrogen, 45 g phosphorus and 45 g potassium in the form of any chemical fertilizers for each bed. Soak and incubate the well filled disease free seeds before sowing. Treat seeds with Nativo @ 2g/ kg seed before sowing. Sow 60-65kg seeds in the raised beds. The seedlings get ready for planting in 25 to 30 days.
LENTIL	Lentil/ Field pea (fruiting to maturity and harvesting) - Harvest mature lentil/ field pea before rain. Harvested pods must be spread under airy shed to avoid rain and sundried when sunshine is available. Dry properly before threshing.
GINGER	Ginger and Turmeric: (land preparation and seed collection and 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.

Horticulture Specific Advisory:

Horticulture(Varieties)	Horticulture Specific Advisory
POTATO	Potato (harvesting to post harvesting): - Brush off soil from harvested tubers. Keep it under shade for 10days for curing/ suberization, grading based on health/ size of potato may be done and stored in well ventilated godown.
ONION	Onion/ Garlic (bulb maturity to harvesting): - Monitor water requirement in the crop field. - When the bulbs mature the drooping of the top is seen at the neck. Top in the plot may be made down manually 8-10 days before harvesting.
PUMPKIN	Cucurbits (transplanting of seedling to vegetative): - Transplant already raised 4-leaf stage seedlings under low-cost polyhouse. Ensure the availability of adequate soil moisture for the 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 (transplanting of seedling to vegetative): - Before uprooting for transplanting in main field water the nursery bed to loosen the soil to avoid harm to roots and dip in solution of Sixer (Carbendazim + Mancozeb) @ 2 g 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 from adverse weather.
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 of French bean 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: - 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: - 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. -

Live Stock(Varieties)	Live Stock Specific Advisory
	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).

Poultry Specific Advisory:

Poultry(Varieties)	Poultry Specific Advisory
CHICKEN	Poultry: - Avoid contact of domestic poultry with wild bird. - 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. - 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.