



**Gramin Krishi Mausam Sewa**  
**Agromet Advisory Bulletin for IMPHAL-EAST District**  
**ICAR Complex Branch**  
 Umiam, Meghalaya



## **Agromet Advisory Bulletin**

Date : 2025-07-08

Weather Forecast of District IMPHAL-EAST (Manipur) Issued On : 2025-07-08 (Valid Till 08:30 IST of the next 5 days)

Parameter	2025-07-09	2025-07-10	2025-07-11	2025-07-12	2025-07-13
Rainfall(mm)	8.3	5.3	4.8	12.2	15.2
Tmax(°C)	29.0	29.0	30.0	28.0	28.0
Tmin(°C)	22.0	22.0	22.0	21.0	21.0
RH-I(%)	98	97	97	97	99
RH-II(%)	85	73	71	72	82
Wind Speed(kmph)	2	2	4	3	1
Wind Direction(Degree)	27	323	294	302	334
Cloud Cover(Octa)	7	6	7	7	8
Warning	Thunderstorms & Lightning, Squall etc	No Warning	No Warning	No Warning	No Warning

### Forecast Summary:

As per weather forecast from IMD, there is likely to have light rains during 9-13 July, 2025 with max. temp. 28-30 °C & mini. temp. 21-22 °C. Relative humidity may reach upto 99 % (max) & 85 % (min). The average wind speed may be 1-4 km/hr. The extended range forecast indicates that during 13-19 July, 2025 maximum temperature is likely to be above normal, rainfall and minimum temperature are likely to be normal over the state.

### Weather Warnings (Valid Till 08:30 IST of the next day)

Weather warning of thunderstorm, squall, lightening, etc. is there on 9 July, 2025.

### Likely impacts of weather warnings on Agriculture and associated Agromet advisories

The strong wind may damage/ uproot the standing crops in the field. It may also damage sheds of birds and animals. Strong staking structures may be constructed for weak plants. Wind breaks may be constructed to reduce the impact of the crop. Also repairing of shed of birds/ animals may be done to avoid any loss to the sheds. Heavy rains may cause water logging in crop fields. Transfer the harvested crop to safe and dry place or a temporary high platform may be prepared with locally available material to avoid soaking of seeds during heavy rains. Cover it with plastic sheet to avoid loss due to rain water. Thresh when conditions favours.

### General Advisory:

- Ponds may also be encircled using hapa nets. - Drain out excess water in every possible way to avoid prolonged submergence in accumulated rain water. - Community rice seedling/ nursery may be raised in upland rice plot or adopt dry bed nursery sowing under controlled conditions. - Harvest rain water. - During land preparation after rains spreading of the paddy straw, Farm Yard Manure and composts may

be done at the field before ploughing for proper incorporation with the soil. - In the sloppy lands, soil erosion has to be prevented by establishing erosion check structures or through agronomic practices. - Jalkunds and other water harvesting structures are to be cleaned and repaired for proper storage of rainwater. - Composting and vermicomposting area may be roofed to avoid any disturbances to the composting process due to rainwater. - 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 and time as per recommended doses after soil testing. Before sowing or planting of nurseries, soil and seed treatment must be practiced to avoid insect pest and diseases infestations. - Protect birds and animals from adverse weather. - Proper care for feed and drinking water of poultry and live-stock must be taken. Sheds must be checked regularly for ensuring proper protection to birds and animals. Strictly monitor the health status of poultry and live-stock. If any sickness observed then inform to concerned State Department. - If water level have raised near the sheds transfer the birds/ animals to safe place. - Before bringing back the birds and animals that were shifted to other places during flood, clean and sanitize the sheds of after decrease of water level due to heavy rains during past days.

### SMS Advisory:

About 1200 to 1300 bundles of 16- 21days old seedlings (40cm diameter) may be required for transplanting one hectare area. Use Blue Sticky Cards@ 4 cards/ sangam against Thrips.

### Crop Specific Advisory:

Crop (Stage)	Crop Specific Advisory
RICE (Transplanting)	For Kharif rice: (nursery raising for late transplanting to main land preparation and transplanting) - Land preparation of main field 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. - 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. - Monitor insect pest infestation in crop field. - Use Blue Sticky Cards@ 4 cards/ sangam or spray Chloropyriphos @ 1ml/ litre water against Thrips.
MAIZE (Tasseling)	Maize (tasseling) - Avoid water logging in the crop field due to rains. Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field. - After rains, earthing up/hoeing be done then top dressing with urea 31kg/ sangam at tasseling stage. - For the crops in vegetative stage, keep four birds' perches and eight pheromone traps per sangam against fall army worm. After considering the rain forecast, spray Chlorantraniliprole 18.5% SC or Thiamethoxam 12.6% + Lambda-cyhalothrin 9.5% ZC alternately in the field till the crop attain silking stage.
FINGER MILLET (Flowering)	Millet (flowering) - Avoid water logging in the crop field due to rains. Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field.
SOYABEAN (Pod formation)	Soybean/ Groundnut (flowering to pegging) - Avoid water logging in the crop field due to rains. - Avoid high weed population in the crop field. Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field. - For biological control of red hairy caterpillars, apply DiPel @ 1g/ litre water.
BLACK GRAM (Vegetative )	Black-gram (sowing to vegetative) - Sowing may be done after rains when optimum soil moisture is attained. - Avoid water logging in the crop field due to rains. - Avoid high weed population in the crop field. Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field.

### Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
GINGER (Rhizome and Maturity)	Ginger and Turmeric: (rhizome formation) - Avoid water logging in the crop field due to rains. - Avoid high weed population. Weeding may be done after

Horticulture (Stage)	Horticulture Specific Advisory
	rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field. - Short duration French Bean may sown as inter-crop.
COLOCASIA/ TARO (Rhizome and Maturity)	Colocasia: (corm formation) - Construct proper drainage system in and around the crop field to avoid water stagnation especially during rainy days. - 45-50 days old plants may be top dressed with 4.5kg Urea + 156kg SSP/ sangam after rains. - Prophylactic measures against leaf blight should be taken up. Spray Redomil@ 1.5g/litre of water or Mancozeb @ 2gm/lit of water twice or thrice at 10 days interval after this wet spell. - Avoid high weed population in the crop field. Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field.
CABBAGE (Nursery/ seedling)	Cauliflower/ cabbage (early variety) (nursery) - Protect new seedlings for summer crops from rains or strong winds. - Drain out excess water from the field. - Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field. - Land preparation for transplanting raised cole crops seedlings. Choose higher land to avoid water stagnation problem during rainy days.
PINEAPPLE (Fruit formation)	Squash/ chow-chow (fruit formation) - Avoid high weed population in the crop field. Weeding may be done after rains when optimum soil moisture is attained. - For squash and kiwi plants in vegetative stage, staking structures may be constructed. Pineapple and kiwi (fruit formation) - Avoid water logging in the crop field due to rains. - Avoid high weed population. Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field.
ORANGE (Fruit formation)	Orange/ lemon (fruit formation) - Avoid water logging in the crop field due to rains. - Avoid high weed population. Weeding may be done after rains when optimum soil moisture is attained. - Monitor insect pest infestation in crop field.

#### Live Stock Specific Advisory:

Live Stock	Live Stock Specific Advisory
COW	Cattle: - Drainage system in-and-around the sheds must be well constructed to avoid water logging. - 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: - Drainage system in-and-around the sheds must be well constructed to avoid water logging. - 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	Fisheries Specific Advisory
CARP	Fish (Digging of new pond and Nursery Pond for Grass Carp and Other Carp) - Start preparing bund around ponds/ raise dykes around fish ponds to avoid escape of fishes during rainy days. Ponds may also be encircled using hapa nets. - Harvest rain water and treat before using it for fish culture. - Spawn production may be started by selecting mature and healthy male and female carps of desired variety. - Disinfect fish seeds with KMnO <sub>4</sub> @ 1mg/l water. - Prepare fish nursery ponds of 1.5m depth. Maintain water depth of 1m in the pond. - Apply lime @300-500kg/ha. PH of pond water should be maintained at 7.0-7.5 and apply manure with a slurry of Raw Cow Dung @12,000kg/ ha. - Apply oil emulsion {oil and detergent (1:3)}, 12-24 hours before stocking spawn to remove unwanted insects. - Eradicate predatory fish through repeated netting or applying bleaching powder @ 30mg/ l water or 350kg / ha pond area. Remove unwanted aquatic weeds from nursey and rearing pond. -

<b>Fisheries</b>	<b>Fisheries Specific Advisory</b>
	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:**

<b>Poultry</b>	<b>Poultry Specific Advisory</b>
CHICKEN	Poultry: - Protect birds and animals from adverse weather. - Proper care for feed and drinking water of poultry and live-stock must be taken. Sheds must be checked regularly for ensuring proper protection to birds and animals. Strictly monitor the health status of poultry and live-stock. If any sickness observed then inform to concerned State Department. - To prevent occurrence of any disease, strict biosecurity measures should be maintained in and around the farm surrounding. - For deworming of the birds, Albendazole liquid @ 20-40 ml for 100 adult birds should be administered and repeat it next day with half the dose at regular interval of 3 weeks. - To prevent against Coccidiosis (bloody diarrhoea), 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.

#### **Likely impacts of weather warnings (General)**

The strong wind may damage/ uproot the standing crops in the field. It may also damage sheds of birds and animals. Heavy rains may cause water logging in crop fields.

#### **Impact based advisories (General)**

Strong staking structures may be constructed for weak plants. Wind breaks may be constructed to reduce the impact of the crop. Also repairing of shed of birds/ animals may be done to avoid any loss to the sheds. Transfer the harvested crop to safe and dry place or a temporary high platform may be prepared with locally available material to avoid soaking of seeds during heavy rains. Cover it with plastic sheet to avoid loss due to rain water. Thresh when conditions favours.

**Farmers are advised to download Unified "Mausam" and "Meghdoot" android application on mobile for Weather forecast and weather based Agromet Advisories and "Damini" android application for forecast of Thunderstorm and lightening.**

**Mausam MobileApp link: <https://play.google.com/store/apps/details/>**

**Meghdoot MobileApp link: [https://play.google.com/store/apps/details](https://play.google.com/store/apps/details/)**

**Damini MobileApp link : [https://play.google.com/store/apps/details](https://play.google.com/store/apps/details/)**