

Agromet Advisory Service Bulletin for the State of Sikkim

(Advisories mentioned in the bulletin are prepared by a DAMU in Sikkim)

Bulletin No. 33/2025

Issued on 08.07.2025

Weather warnings (Sikkim)

- 08 July: Nil.
- 09 July: **Heavy Rain likely to occur at one or two places.**
- 10 July: Nil.
- 11 July: Nil.
- 12 July: Nil.

Extended Range forecast at Met-Subdivision Level (13th to 19th July 2025)

Meteorological Sub-Division	Rainfall	Max Temp	Min Temp
Sikkim and Sub Himalayan West Bengal	Below Normal	Normal	Normal

Summary of four days rainfall over the State (04 - 07 July 2025) :

Met Sub Division	04-07-2025	05-07-2025	06-07-2025	07-06-2025
Sikkim and Sub Himalayan West Bengal	WS	WS	FWS	WS

ISOL: Isolated *i.e.* Rain at 1 or 2 places

FWS: Fairly Widespread *i.e.* Rain at many places

WS: Widespread *i.e.* Rain at most places

SCT: Scattered *i.e.* Rain at a few places

DRY: No rain

Rainfall forecast for next 5 days

Met Sub Division	08-07-2025	09-07-2025	10-07-2025	11-07-2025	12-07-2025
Sikkim and Sub Himalayan West Bengal	FWS	WS	CST	SCT	SCT

ISOL:	Isolated <i>i.e.</i> Rain at 1 or 2 places	SCT:	Scattered <i>i.e.</i> Rain at a few places
FWS:	Fairly Widespread <i>i.e.</i> Rain at many places		
WS:	Widespread <i>i.e.</i> Rain at most places	DRY:	No rain

Agromet Advisories issued by District Agro-Met Unit (DAMU) of Sikkim

DAMU, Gyalshing, Sikkim

Likely impacts of weather warnings on Agriculture and associated Agromet advisories

Heavy rainfall may lead to waterlogging in low-lying fields, affecting crop roots and delaying intercultural operations. Continuous wet and cloudy conditions increase the risk of fungal diseases like late blight in potato, downy mildew in vegetables, and blast in paddy. Low temperatures and limited sunlight may slow down crop growth and flowering. Farmers are advised to ensure proper drainage in fields, avoid fertilizer or pesticide applications during rain, and monitor crops regularly for disease symptoms. Livestock should be sheltered in dry, well-ventilated areas to prevent cold stress and infections..

i) General Advisory:

Excess water stagnation may cause fungal and bacterial diseases to the crops. So farmers are advised to keep proper drainage facilities in the field during high rainfall and to conserve excess rain water during high rainfall. Rain water harvesting through jalkund should be done..

ii) SMS Advisory

Bunding at terrace of rice fields should be done properly to reduce nutrient losses during moderate to heavy rainfall. Transplanting of kharif rice should be completed within the month of July.

iii) Horticulture Specific Advisory:

Horticulture (Stage)	Horticulture Specific Advisory
KIWI (Fruit formation)	<ul style="list-style-type: none"> • Ensure canopy management for air circulation. • Apply preventive sprays of copper-based fungicides for rot and mildew control
GINGER (Vegetative)	High soil moisture can promote the development of soft rot and bacterial wilt complex. To prevent waterlogging and reduce the risk of secondary infections and rhizome rotting, it is important to maintain proper drainage facilities. Regular field inspections should be carried out, especially during rainy days, to monitor the appearance of diseases. If any diseased plants are observed, they should be uprooted along with the surrounding soil to minimize the spread of the infection.
CHERRY PEPPER (Seedling Growth)	<ul style="list-style-type: none"> • Ensure raised beds to prevent waterlogging. • Regularly inspect for fungal/bacterial rot; apply recommended fungicides or Copper oxychloride. • Apply mulching to maintain soil temperature and reduce weed infestation.
ORANGE (Planting)	During this month, orange planting should be carried out. Orange saplings should be planted in pits of 0.75 × 0.75 × 0.75 m size, spaced 4.5 m × 4.5 m apart.

	The pit should be filled with two parts of soil, one part of sand, one part of well-decomposed cow dung, one kilogram of organic phosphorus-rich compost or rock phosphate, one kilogram of neem cake, and 100 grams of wood ash or neem-based pest repellent. To manage trunk borer organically, inject neem oil into the boreholes using a syringe at 5 ml per hole. After application, seal the hole with cotton or mud to prevent reinfestation.
CARDAMOM (Planting)	Planting of large cardamom is usually done during June and July, when soil moisture is adequate. Use healthy, certified suckers or seedlings obtained from trusted nurseries. Select a mature tiller with 2–3 immature tillers or vegetative buds for better establishment. Prepare pits of 30 × 30 × 30 cm along contours with 1.5 × 1.5 m spacing for non-robust cultivars like Golsai and Seremna. For robust cultivars such as Ramla, Ramsey, Sawney, and Varlangey, maintain a wider spacing of 1.8 × 1.8 m. Fill the pits with topsoil mixed with well-decomposed cow dung, compost, and forest litter. Before planting, dip the suckers in a solution of Trichoderma biofungicide or a mixture of cow urine and neem extract for 10–15 minutes to prevent fungal infections. Plant the suckers up to the collar region, taking care not to plant too deep. Staking should be done to protect the plants from lodging due to wind or heavy rain. Apply mulch using dry leaves, weeds, or any available organic material to conserve soil moisture and suppress weed growth.

iv) Others (Soil / Land Preparation) Specific Advisory (GENERAL ADVICE):

Current weather with continuous rainfall is very much favourable for soft-rot disease; provide adequate drainage channel and remove stagnant water from the field.

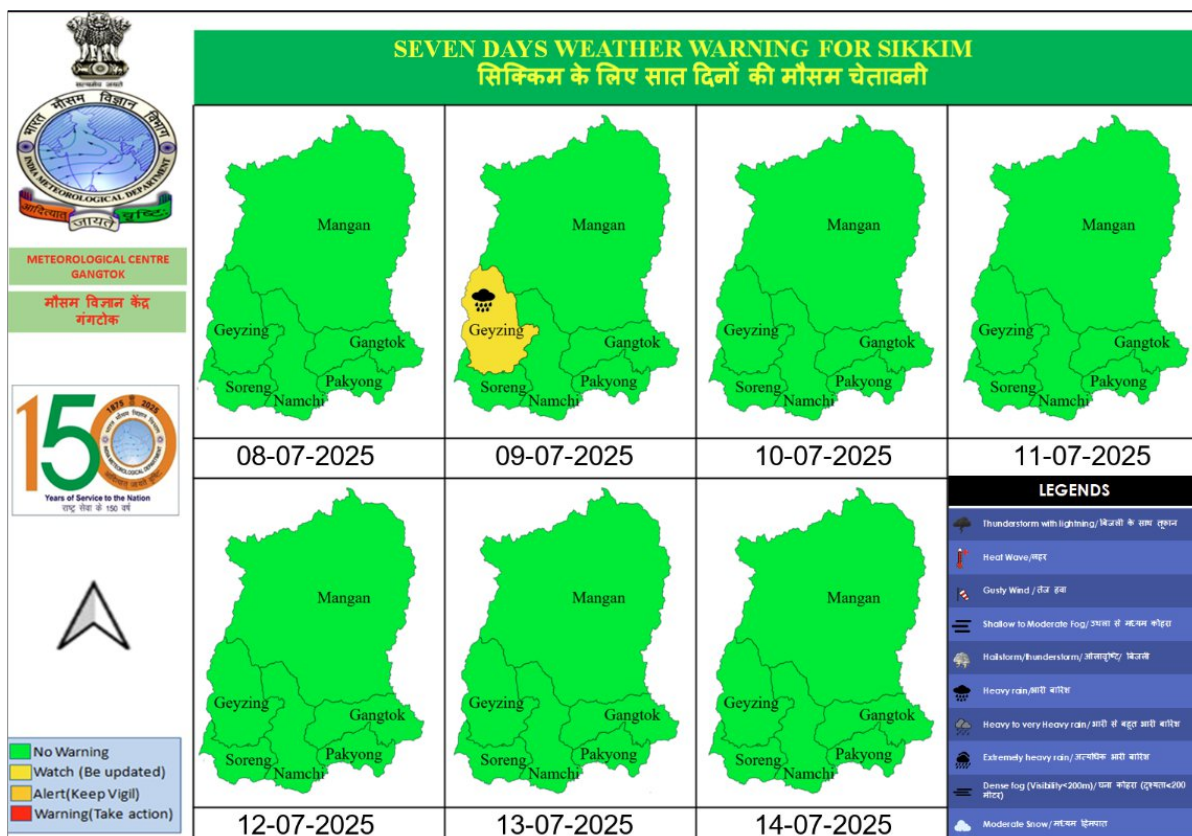
v) Likely impacts of weather warnings (General):

Current weather with continuous rainfall is very much favourable for soft-rot disease; provide adequate drainage channel and remove stagnant water from the field.

vi) Impact based advisories (General):

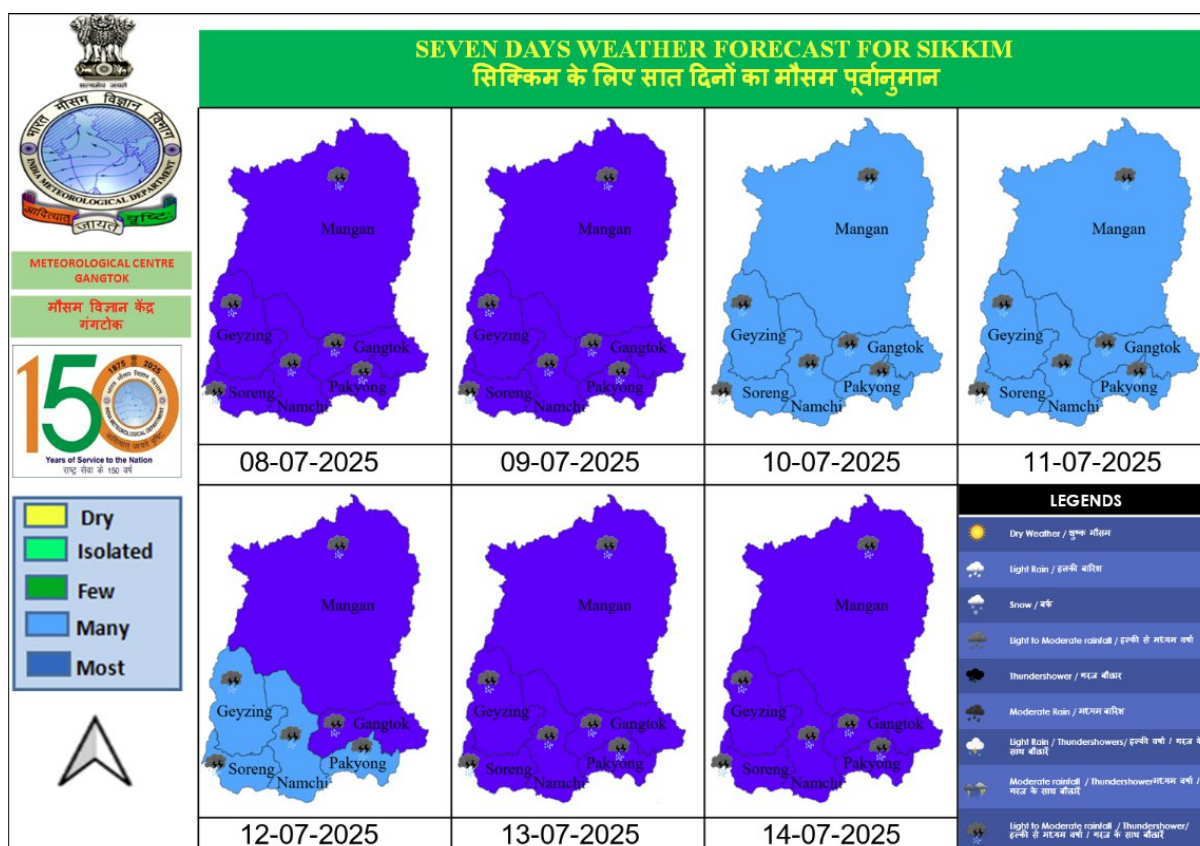
Provide mechanical support to the fruit bearing trees like papaya, banana and vegetable creepers to young crop plants to prevent lodging due to continuous rainfall and windy weather.

District-level Weather warnings issued by MC Gangtok for the next 7 days



Annexure II

Meteorological Subdivision Level Rainfall Weather Forecast for next 7 days



Weather Forecast Bulletin for: SIKKIM | Time of origin: 1300 IST

Based on: 0300 UTC observations/Charts and available NWP model outputs | Tuesday, 08th July 2025

WEATHER FORECAST FOR 7 DAYS							
DISTRICT	DAY 1 VALID FROM 1300 HRS IST OF TUE, JUL 08, 2025 UPTO 0830 HRS IST OF WED, JUL 09, 2025	DAY 2 VALID FROM 0830 HRS IST OF WED, JUL 09, 2025 UPTO 0830 HRS IST OF THU, JUL 10, 2025	DAY 3 VALID FROM 0830 HRS IST OF THU, JUL 10, 2025 UPTO 0830 HRS IST OF FRI, JUL 11, 2025	DAY 4 VALID FROM 0830 HRS IST OF FRI, JUL 11, 2025 UPTO 0830 HRS IST OF SAT, JUL 12, 2025	DAY 5 VALID FROM 0830 HRS IST OF SAT, JUL 12, 2025 UPTO 0830 HRS IST OF SUN, JUL 13, 2025	DAY 6 VALID FROM 0830 HRS IST OF SUN, JUL 13, 2025 UPTO 0830 HRS IST OF MON, JUL 14, 2025	DAY 7 VALID FROM 0830 HRS IST OF MON, JUL 14, 2025 UPTO 0830 HRS IST OF TUE, JUL 15, 2025
	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
GANGTOK	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places
GEYZING	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places
MANGAN	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places
NAMCHI	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places
PAKYONG	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places
SORENG	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at many places	Light to moderate rain/thundershower very likely to occur at most places	Light to moderate rain/thundershower very likely to occur at most places

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	WARNING	WARNING	WARNING	WARNING	WARNING	WARNING	WARNING
GANGTOK	Nil	Nil	Nil	Nil	Nil	Nil	Nil
GEYZING	Nil	Heavy rain likely to occur at one or two places	Nil	Nil	Nil	Nil	Nil
MANGAN	Nil	Nil	Nil	Nil	Nil	Nil	Nil
NAMCHI	Nil	Nil	Nil	Nil	Nil	Nil	Nil
PAKYONG	Nil	Nil	Nil	Nil	Nil	Nil	Nil
SORENG	Nil	Nil	Nil	Nil	Nil	Nil	Nil

