



Composite Agromet Advisory Service Bulletin **FOR THE STATE OF MEGHALAYA**

June 14th, 2024
(For the period of 15th June to 19th June 2024)

Issued by
Meteorological Centre, Shillong
INDIA METEOROLOGICAL DEPARTMENT

In collaboration with
ICAR BARAPANI

As per IMD classification Meghalaya State consisting of eleven districts and it is part of Assam-Meghalaya meteorological subdivision

AGRO CLIMATIC ZONES FOR THE STATE OF MEGHALAYA

<i>Sl. No.</i>	<i>Agro climatic Zone</i>	<i>Districts</i>	<i>Agromet Field Unit (AMFU) Location</i>
1	Meghalaya	South West Garo Hills, West Garo Hills, East Garo Hills, North Garo Hills, South Garo Hills, East Khasi Hills, West Khasi Hills, South West Khasi Hills, RI- Bhoi, East Jaintia Hills, West Jaintia Hills.	ICAR Barapani

WEATHER SUMMARY FOR THE PERIOD SINCE 0830 HOURS IST OF JUNE 12th, 2024 TO JUNE 14th, 2024:

- *Summary of observations recorded Shillong, Sohra (Cherrapunjee), Barapani*

PARAMETERS	SHILLONG	SOHRA	BARAPANI
<i>Total Rainfall (mm)</i>	51.5	365.0	35.7
<i>Maximum Temp (°C)</i>	26.2	26.3	31.3
<i>Minimum Temp (°C)</i>	17.2	19.0	21.0
<i>Relative Humidity (%)</i>			
<i>Maximum/Minimum</i>	100/76	100/72	100/73

LOCAL FORECAST AND FARMERS WEATHER BULLETIN VALID UNTIL MORNING OF JUNE 15th, 2024:

- Moderate RA/TS is likely to occur at most places.
- Heavy to Very Heavy rainfall is likely to occur at isolated places
- Thunderstorm/Lightning is likely at isolated places.

WEATHER INFORMATION FOR DIFFERENT DISTRICTS OF MEGHALAYA:

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1. RI-BHOI:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
Sky was partly cloudy to cloudy with 91.6 mm rainfall. Maximum temperatures ranged between 23.0-30.0°C and minimum ranged between 19.5-21.5°C. Mean relative humidity was 91-100% in morning and 77-98% in evening. Wind speed ranged between 0.8-2.0 kmph.	There is possibility of 270 mm rainfall for the next five days. Maximum Temp: 26-27°C, Minimum Temp: 21°C, Maximum RH: 90-96%, Minimum RH: 78-85%, Wind speed: 2-3 Kmph, Wind direction: SE-S, Cloud cover: sky will be mainly cloudy to cloudy i.e., 6-8 Okta.

2. EAST KHASI HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
MAWSYNRAM(Rainfall) 387.0 mm	There is possibility of 885 mm rainfall for the next five days. Maximum Temp: 22-24°C, Minimum Temp: 20-21°C, Maximum RH: 95-97%, Minimum RH: 90-95%, Wind speed: 9-11 Kmph, Wind direction: SSE-SSW, Cloud cover: sky will be cloudy i.e., 8 Okta.

3. EAST JANTIA HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
KHLIEHRIAT(Rainfall) 165.4 mm	There is possibility of 680 mm rainfall for the next five days. Maximum Temp: 24-26°C, Minimum Temp: 20-21°C, Maximum RH: 95-96%, Minimum RH: 90-95%, Wind speed: 10-15 Kmph, Wind direction: SSW, Cloud cover: sky will be cloudy i.e., 8 Okta.

4. EAST GARO HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
WILLIAMNAGAR(Rainfall) 101.0 mm	There is possibility of 553 mm rainfall for the next five days. Maximum Temp: 31-33°C, Minimum Temp: 24-25°C, Maximum RH: 92-95%, Minimum RH: 81-88%, Wind speed: 3 Kmph, Wind direction: SSE-S, Cloud cover: sky will be mainly cloudy to cloudy i.e., 5-8 Okta.

5. NORTH GARO HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
RESUBELPARA(Rainfall) 0.4 mm	There is possibility of 710 mm rainfall for the next five days. Maximum Temp: 27-28°C, Minimum Temp: 21-22°C, Maximum RH: 91-94%, Minimum RH: 80-85%, Wind speed: 6-8 Kmph, Wind direction: SSE-S, Cloud cover: sky will be partly cloudy to cloudy i.e., 4-8 Okta.

6. SOUTH GARO HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
BAGHMARA (Rainfall) 20.4 mm	There is possibility of 645 mm rainfall for the next five days. Maximum Temp: 26-29°C, Minimum Temp: 21-22°C, Maximum RH: 94-99%, Minimum RH: 84-95%, Wind speed: 8-10 Kmph, Wind direction: ESE, Cloud cover: sky will be mainly cloudy to cloudy i.e., 6-8 Okta.

7. SOUTH-WEST GARO HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
AMPATI(Rainfall) 10.0 mm	There is possibility of 475 mm rainfall for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 24°C, Maximum RH: 90-95%, Minimum RH: 80-88%, Wind speed: 8-12 Kmph, Wind direction: SE-SSE, Cloud cover: sky will be partly cloudy to cloudy i.e., 4-8 Okta.

8. WEST GARO HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
TURA(Rainfall) N/A	There is possibility of 485 mm rainfall for the next five days. Maximum Temp: 29-31°C, Minimum Temp: 23°C, Maximum RH: 92-95%, Minimum RH: 80-85%, Wind speed: 8-12 Kmph, Wind direction: SE-SSE, Cloud cover: sky will be partly cloudy to cloudy i.e., 3-8 Okta.

9. WEST KHASI HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
NONGSTOIN (Rainfall) 12.0 mm	There is possibility of 505 mm rainfall for the next five days. Maximum Temp: 25-27°C, Minimum Temp: 20-21°C, Maximum RH: 90-94%, Minimum RH: 83-88%, Wind speed: 8-12 Kmph, Wind direction: SSE-SSW, Cloud cover: sky will be mainly cloudy to cloudy i.e., 6-8 Okta.

10. SOUTH-WEST KHASI HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
MAWKYRWAT(Rainfall) 152.0 mm	There is possibility of 900 mm rainfall for the next five days. Maximum Temp: 25-27°C, Minimum Temp: 20-21°C, Maximum RH: 95-99%, Minimum RH: 86-97%, Wind speed: 7-9 Kmph, Wind direction: ESE-SSE, Cloud cover: sky will be mainly cloudy to cloudy i.e., 7-8 Okta.

11. WEST JAINTIA HILLS:

<i>Weather summary of the past four days</i>	<i>Weather forecast valid up to June 19th, 2024</i>
JOWAI (Rainfall) 104.2 mm	There is possibility of 550 mm rainfall for the next five days. Maximum Temp: 28-30°C, Minimum Temp: 20-21°C, Maximum RH: 90-92%, Minimum RH: 82-88%, Wind speed: 13-20 Kmph, Wind direction: SSW, Cloud cover: sky will be mainly cloudy to cloudy i.e., 6-8 Okta.

Agro meteorological Advisories for coming 5 days

Main Crop	Stage	Pest/Diseases	Agricultural Advisories
Sali/Kharif Rice (Lowland)	Nursery		<ul style="list-style-type: none"> • Maintain proper drainage channels around the nursery beds. • Avoid sowing of rice in nursery for next five days.
Maize (High & Mid altitude Region)	Vegetative		<ul style="list-style-type: none"> • Maintain proper drainage system to remove excess water. • Immediately do earthing up and staking around the plants to prevent lodging.
Ginger/Turmeric	Vegetative		<ul style="list-style-type: none"> • Do mulching whenever possible. • Maintain proper drainage system.
Cucurbits (Pumpkin/Bottle Gourd/ Ash Gourd/Squash/Cucumber/Bitter gourd)	Vegetative/Flowering /Fruiting		<ul style="list-style-type: none"> • Maintain proper drainage system. • Do proper staking by using bamboo. • Harvest the crop/mature fruits immediately.
French bean	Vegetative/Flowering /Fruiting		<ul style="list-style-type: none"> • Maintain proper drainage system. • Proper staking may be provided to avoid touching ground. • Harvest the crop/mature fruits immediately.
Brinjal/Chilli	Vegetative/ Flowering/Fruiting		<ul style="list-style-type: none"> • Maintain proper drainage system in the field. • Harvest the crop/mature fruits immediately.
Strawberry	Runner Production		<ul style="list-style-type: none"> • Ensure proper drainage to prevent waterlogging.
Khasi Mandarin	Fruit Growth	Trunk Borer	<ul style="list-style-type: none"> • Manual destruction of Trunk Borer. • Provide proper drainage.
Pineapple	Flowering/Fruiting		<ul style="list-style-type: none"> • Maintain proper drainage system. • Harvest the crop/mature fruits immediately.
Banana	Fruiting		<ul style="list-style-type: none"> • Harvest the crop/mature fruits immediately. • Maintain proper drainage system. • Do proper propping with bamboo.
Animal Sciences			
Poultry	All stages		<ul style="list-style-type: none"> • During the rain, the humidity in the poultry house increases, the litter gets moist. The risk of mycotoxin poisoning and respiratory disease infection also increases. • Repair the roof of the poultry house, if any leakage of water. • Litter material to be changed regularly. • During rain, close the doors and windows or let the curtains open to prevent rain from entering the house. • Gunny bags may be used to partially cover the windows. • Reserve enough dry padding. The wet agglomerated padding should be cleaned out of the house and reduce

			the ammonia concentration in the house.
Piggery	All stages		<ul style="list-style-type: none"> • Water leaking in the animal shed affects the comfort of the animals. To prevent rain water from entering the shed, there should be a provision of roof overhang measuring 1m in length. Make the roof of sheds leak-proof and clean. • The drainage channels should be properly maintained. • New born piglets to be shifted to dry place in case of water logging.
Cattle	All stages		<ul style="list-style-type: none"> • Repair roofs of the animal sheds wherever necessary to ensure protection for animals from rains. • Water stagnated places should be avoided for animal shelter. • Animals may be vaccinated against FMD, HS and BQ. • Concentrate feed and dry fodder should be covered with plastic sheets.
Fishery			
All fish varieties	All Stages		<ul style="list-style-type: none"> • Strengthen the bunds surrounding the pond. • Raise the pond embankment height. • Surround the pond peripheral with net. • To avoid increased turbidity apply Alum @ 25-50 kg/ha. • Designate proper inlet/outlet facility in the pond.

Suggestion: Contact nearby State Agril. Staff or KVK staff for necessary help and suggestion.